

2009 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*

AUGUST 2010



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TRANSMITTAL

To: New York State Department of
Environmental Conservation
Remedial Bureau Division
625 Broadway
Albany, New York 12233-7013

Re: Orange County Landfill
2009 Post-Closure Monitoring
Event Report

Site Registry ID No. 3-36-007

File: 104.115

Attention: Mr. Carl Hoffman

Date: August 9, 2010

We are sending you X herewith under separate cover via

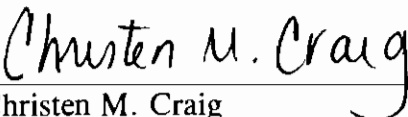
- One (1) copy of the Orange County Landfill 2009 Post-Closure Monitoring Event Report, August 2010.

The above are for X information X approval revision construction other

Remarks:

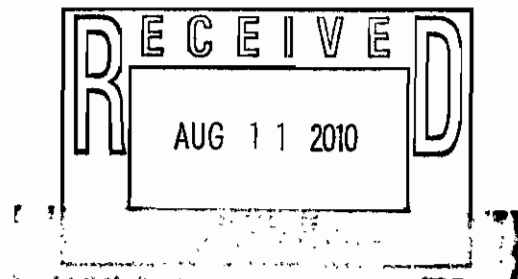
If enclosed are not as noted, please notify us at once.

C&S ENGINEERS, INC.


Christen M. Craig
Project Environmental Scientist

Encl.

cc: Brian Ritzinger, Assistant Sanitary Engineer



**Orange County Landfill
Environmental Monitoring Program
2009 Monitoring Event**

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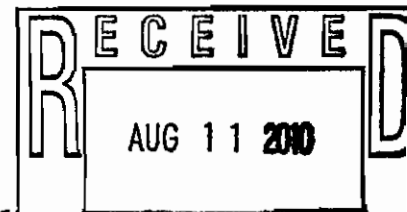
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1.0 INTRODUCTION

In accordance with the 6 NYCRR Part 360 Solid Waste Management Facility regulations, Post-Closure environmental monitoring is conducted at the Orange County Landfill (Site Registry ID No. 3-36-007). 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.

1.1 BACKGROUND

The Orange County landfill accepted primarily municipal solid waste from approximately September 1974 until January 1992. In March 1992, the NYSDEC classified the site as a “Class 2” inactive hazardous waste site. The Class 2 designation indicates “a site at which the disposal of hazardous waste constitutes a significant threat to human health and the environment.” According to the NYSDEC, the “threat” at the Orange County Landfill was the possibility of contaminating a principal aquifer underlying the site. The NYSDEC and Orange County entered into a Consent Order on January 17, 1993 which directed Orange County to implement a full remedial program.

In January 1994 the NYSDEC issued a Record of Decision (ROD) accelerating the remedial process at the Orange County Landfill by continuing to collect leachate for off-site treatment, stabilizing the Cheechunk Canal bank, and by constructing a final cap over the waste mass. This was done to significantly reduce the threat to public health and the environment. The January 1994 ROD focused primarily on the 75 acre landfill portion of the property. Construction of the final cover was completed in November 1995.

In March 1998, the NYSDEC issued a ROD focusing on the entire 300 acre site. This ROD directed Orange County to comply with the following items:

- Continued collection of off-site disposal of leachate;
- O&M Items – including annual explosive gas survey, monthly inspection of the cap, bi-annual mowing, routine maintenance and repair of erosion or stability problems, maintenance/repair of leachate collection system;
- Continued operation of the landfill gas collection system;
- Quarterly monitoring of surface water, groundwater, and leachate;
- Controls and restrictions for future use of the land and groundwater at the site;
- Preparation of a long-term Operation and Maintenance Plan (O&M) Plan.

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 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 2009 Program was completed in August 2009. The results of the 2009 Post-Closure Monitoring Program are described in this report.

1.2 2009 ANNUAL MONITORING EVENT

This Report was prepared for the Orange County Department of Public Works, Division of Environmental Facilities & Services by C&S Engineers, Inc., and documents the activities and results of the 2009 monitoring event for the Landfill. The report is based upon the analytical results of groundwater, surface water, and leachate samples collected on August 18, August 19, and August 20, 2009. Certified Environmental Services, Inc. (CES) under contract to C&S performed the actual collection and analysis of the samples.

2.0 METHODOLOGY

As part of the 2009 monitoring event, groundwater samples were collected from monitoring wells and piezometers installed near the Landfill, surface water samples were collected from the Cheechunk Canal of the Wallkill River, and leachate samples were collected from sampling locations MH-7 and MH-15 (see Figure 1).

2.1 SAMPLE COLLECTION AND ANALYSIS

The monitoring program involves the collection and analysis of samples in accordance with 6 NYCRR 360-2.11(c)(6), Water Quality Analysis Baseline Parameters. As part of the 2009 monitoring event, groundwater, surface water, and leachate samples were collected and analyzed for baseline list parameters by Certified Environmental Services, Inc., (CES), a New York State Department of Health (NYSDOH) certified lab. Samples were collected and handled in accordance with NYSDEC, NYSDOH, or other applicable protocols. In an effort to better characterize potential leachate impacts to the local groundwaters, the Orange County Department of Public Works, Division of Environmental Facilities & Services previously authorized the collection of groundwater samples for soluble metals analysis in addition to total metal analysis. For those wells with a turbidity of greater than 50 NTU, CES collected additional groundwater samples for subsequent filtering (immediately upon sample delivery) and soluble metals analysis at the laboratory. A copy of the laboratory analytical results is presented within Appendix A. The sample chain-of-custody documentation is presented within Appendix B.

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

Groundwater samples were collected from the following 22 groundwater monitoring wells and 3 piezometers:

PZ-1A	MW-303S/D
PZ-4	MW-304S/D/VS
PZ-11	MW-312S
MW-3B	MW-230S/D
MW-207SA/D	MW-232S
MW-220	MW-233S
MW-221S/D	MW-234D
MW-222	MW-245S/D
MW-223S/D	

During this 2009 sampling event, a groundwater sample could not be obtained from monitoring well MW-234S due to a damaged well riser.

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

2.2 DATA EVALUATION

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

A statistical analysis of shallow and deep upgradient monitoring wells was performed (using standard Microsoft 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 August 2009. 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, 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 August 2009.

3.0 2009 ENVIRONMENTAL MONITORING RESULTS

3.1 GROUNDWATER

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

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

The groundwater analytical data were compared to applicable NYSDEC Class GA groundwater standards and guidance values (as given in NYSDEC TOGS 1.1.1, June 2004) and are summarized in Table 3. Parameters that were detected at concentrations above standards or guidance values are shown in Table 3 with a shaded box around the value. Consistent with the results of previous post-closure monitoring, the results indicate that the groundwater near the landfill is characterized by elevated concentrations of TDS, iron, manganese and thallium. In addition, ammonia, chloride, nitrate, arsenic, magnesium, selenium, silver and sodium, exceeded applicable Class GA groundwater standards in one or more of the monitoring wells. The greatest number of exceedences of Class GA Standards or Guidance Values at the site and the highest values at the site were in wells MW-222 and MW-304VS. In general, concurrent soluble metal analysis of the collected groundwater samples revealed that where elevated total iron, total magnesium and/or total manganese concentrations were identified, elevated concentrations of soluble iron, soluble magnesium and/or soluble manganese were also often identified. It should be noted that there were no volatile organic compounds detected above Class GA Standards or Guidance Values in any of the groundwater samples collected.

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

Tables 5 and 7 present historical and statistical data for upgradient groundwater from shallow and deep wells, respectively. A comparison of this quarter's data with the calculated upper confidence level for the average is included in Tables 6 and 8. The upper confidence level for the average is based on the mean plus the 99% confidence interval. The 99% confidence interval is calculated from the standard deviation. Parameters that were detected at concentrations above the *upper confidence level for the average* are shown in Tables 6 and 8 with a shaded box around the value. It should be noted that the results for the selected monitoring wells/piezometers are individual datum from the August 2009 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, TDS, sulfate, iron, 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 August 2009. These maps are presented in Appendix D. The following table summarizes information based on the results of the isopleth maps:

TOC	MW-222
Alkalinity	MW-222
Ammonia	MW-245D
Chloride	MW-304S/D/VS
COD	MW-304S/D/VS, MW-222
TKN	MW-245D
TDS	MW-304S/D/VS
Sulfate	MW-220
Iron	MW-222
Magnesium	MW-222
Manganese	MW-304S/D/VS
Potassium	MW-245S/D
Sodium	MW-304S/D/VS

3.2 SURFACE WATER

The analytical data for the site surface waters are presented in Table 4. A shaded box surrounding the data value indicates those parameter values that exceeded standards or guidance values. The surface water samples collected from surface water monitoring locations SW-3, SW-5, and SW-8, exceeded the 0.1 mg/l Class C surface water standard for total aluminum (0.4 mg/l, 0.28 mg/l, 0.26 mg/l, respectively). The surface water samples collected from surface water monitoring locations SW-3, SW-5, SW-8, and SW-13 exceeded the 0.3 mg/l Class C surface water standard for total iron (0.85 mg/l, 0.79 mg/l, 0.86 mg/l, 0.8 mg/l, respectively). In addition, the surface water sample collected from surface water monitoring location SW-5 exceeded the 0.0001 mg/l silver and the 0.008 mg/l Class C thallium standards (0.01 mg/l, 0.02 mg/l, respectively). The surface water sample collected from surface water monitoring location SW-13 exceeded the 0.014 mg/l vanadium and the 0.008 mg/l Class C thallium standards (0.274 mg/l, 0.02 mg/l, respectively). There were no volatile organic compounds detected above method detection limits in any of the surface water samples collected.

The historical data from SW-3 and SW-13 were statistically analyzed to identify the relative background water quality of the upstream surface water. The results of the analysis of upstream (background) surface water quality are presented in Table 10. The downstream surface water samples collected from sampling points SW-5 and SW-8 exceeded background conditions for alkalinity, chloride, TOC, 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 2009 monitoring event and other data comparisons indicate that the water quality of the local surface waters is apparently minimally influenced by the Orange County Landfill.

3.3 LEACHATE MANHOLES

During the 2009 monitoring event, a leachate sample was collected from manhole 7 (MH-7) and manhole 15 (MH-15) and analyzed for baseline parameters. As shown in Table 5, the leachate samples collected from MH-7 and MH-15 were generally characterized by detectable to elevated concentrations of TOC, alkalinity, ammonia, BOD₅, chloride, nitrate, hardness, TKN, TDS, sulfate, bromide, barium, calcium, boron, iron, magnesium, manganese, nickel, potassium, silver, sodium, thallium, acetone, and 1,4-dichlorobenzene. 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 LANDFILL INSPECTIONS

As discussed in the NYSDEC Variance Approval letter, Orange County is required to perform monthly site inspections. The following items are assessed and documented by Orange County personnel:

- ✓ The presence/absence of leachate outbreaks
- ✓ Obvious signs of surface (cap) settlement or erosion
- ✓ Condition of vegetative cover
- ✓ Landfill security and signs of trespassing
- ✓ Drainage swale integrity
- ✓ The presence of wildlife vectors (over or near cap)
- ✓ Monitoring well integrity (surface features)
- ✓ Landfill gas vent integrity

Based on the 2009 landfill inspection (monthly and daily) report forms, the Orange County Landfill cap is being maintained and remains in good condition. The 2009 Orange County Landfill Monthly Post-Closure Inspection Reports will be submitted under separate cover for review by the NYSDEC.

3.5 LANDFILL GAS SUMMARY

The amount of landfill gas recovered and the quality of that gas is included within the following table:

Month	Average LFG	Recovered Gas	Gas quality			Hour of Flare
	Standard Flow Rate					Operation
	SCFM-60 deg	SCF-60 deg	CH ₄	O ₂	CO ₂	Hours
Dec-08	507.0	7,516.4	35.11	0.43	14.40	0.25
Jan-09	446.5	4,981,973.9	51.89	2.26	18.94	93.50
Feb-09	377.3	4,480,333.3	59.38	1.18	31.62	197.90
Mar-09	434.1	16,132,908.8	58.85	1.01	25.87	423.67
Apr-09	437.2	25,941,968.1	55.63	0.80	26.39	708.83
May-09	282.8	8,190,555.6	60.36	1.78	24.42	300.08
June-09	286.9	10,070,691.9	61.63	1.13	31.77	628.02
July-09	321.6	13,951,832.7	61.42	1.26	31.45	725.49
Aug-09	397.3	13,057,977.0	56.29	1.49	28.05	477.50
Sept-09	415.0	13,781,560.0	52.35	n/a	n/a	718.50
Oct-09	296.6	15,624,064.0	46.98	3.87	24.22	659.50
Nov-09	412.7	15,557,179.8	46.64	4.38	23.51	710.46
Dec-09	393.4	17,544,765.3	61.92	4.16	29.60	709.00

Information included within the table was provided by MP Orange LLC

Manpower hours only apply to Flare Operation and do not include design, permitting, maintenance.

Gas Flow Rates based on Sierra Thermal Mass Flow Meter

3.6 CONCLUSIONS

In general, the results of the 2009 monitoring event were consistent with historical conditions at the landfill. Based on the fifth quarter monitoring schedule, the next monitoring event at the landfill should be completed during the 2010 fourth quarter for baseline parameters.

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TABLE 1 - MONITORING WELL CONSTRUCTION DATA

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

* - Estimated values

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

	Units	PZ 1A	PZ 4	PZ 11	MW 2075A	MW 207D	MW 303S	MW 303D	MW 304VS	MW 304S
Nov 1990	Feet	n/a*	368.36	n/a*	370.50	370.68				
Feb 1991	Feet	n/a*	368.03	n/a*	371.68	371.84				
May 1991	Feet	n/a*	367.88	n/a*	372.10	372.29				
Aug 1991	Feet	n/a*	365.16	n/a*	369.92	370.13				
Nov 1991	Feet	n/a*	365.23	n/a*	368.87	368.94				
Feb 1992	Feet	n/a*	366.38	n/a*	369.49	369.71				
May 1992	Feet	n/a*	367.31	n/a*	370.92	371.15				
Aug 1992	Feet	n/a*	367.15	n/a*	370.51	370.75				
Dec 1992	Feet	n/a*	366.38	n/a*	369.10	369.48				
Feb 1993	Feet	n/a*	367.88	n/a*	370.78	371.02				
May 1993	Feet	n/a*	367.80	n/a*	372.52	372.69				
Sep 1993	Feet	n/a*	365.02	n/a*	369.16	369.32				
Dec 1993	Feet	n/a*	366.76	n/a*	368.79	369.24				
Feb 1994	Feet	n/a*	368.80	n/a*	369.99	370.21				
May 1994	Feet	n/a*	368.35	n/a*	372.83	372.97				
Aug-94	Feet	n/a*	367.29	n/a*	370.33	370.52	n/a*	n/a*	n/a*	n/a*
Nov-94	Feet	n/a*	365.94	n/a*	369.58	369.71	n/a*	n/a*	n/a*	n/a*
March - 95	Feet	n/a*	368.42	n/a*	372.04	372.25	n/a*	n/a*	n/a*	n/a*
June-95	Feet	n/a*	366.11	n/a*	370.35	370.55	n/a*	n/a*	n/a*	n/a*
Sept. - 95	Feet	n/a*	369.24	n/a*	368.31	368.38	n/a*	n/a*	n/a*	n/a*
Nov-95	Feet	n/a*	372.14	n/a*	370.81	371.04	n/a*	n/a*	n/a*	n/a*
April-96	Feet	n/a*	373.37	n/a*	372.98	373.19	n/a*	n/a*	n/a*	n/a*
June-96	Feet	n/a*	358.13	n/a*	372.78	372.97	n/a*	n/a*	n/a*	n/a*
Sept-96	Feet	n/a*	371.42	n/a*	371.88	372.10	n/a*	n/a*	n/a*	n/a*
Dec-96	Feet	n/a*	373.20	n/a*	372.37	372.58	n/a*	n/a*	n/a*	n/a*
May-97	Feet	n/a*	373.17	n/a*	372.44	372.65	n/a*	n/a*	n/a*	n/a*
June-97	Feet	n/a*	371.37	n/a*	371.28	371.49	n/a*	n/a*	n/a*	n/a*
Sept-97	Feet	n/a*	371.20	n/a*	370.24	370.44	n/a*	n/a*	n/a*	n/a*
Dec-97	Feet	n/a*	371.35	n/a*	369.21	370.43	n/a*	n/a*	n/a*	n/a*
Mar-98	Feet	n/a*	374.47	n/a*	373.04	373.23	n/a*	n/a*	n/a*	n/a*
June-98	Feet	n/a*	376.04	n/a*	373.80	373.96	n/a*	n/a*	n/a*	n/a*
Sept.-98	Feet	n/a*	370.18	n/a*	370.11	370.29	n/a*	n/a*	n/a*	n/a*
Dec-98	Feet	n/a*	369.23	n/a*	369.53	368.69	n/a*	n/a*	n/a*	n/a*
Apr-99	Feet	n/a*	372.74	n/a*	372.13	372.31	n/a*	n/a*	n/a*	n/a*
June-99	Feet	n/a*	379.59	n/a*	370.62	370.73	n/a*	n/a*	n/a*	n/a*
Sept-99	Feet	n/a*	372.31	n/a*	369.67	369.84	n/a*	n/a*	n/a*	n/a*
Dec-99	Feet	n/a*	371.16	n/a*	369.99	370.18	n/a*	n/a*	n/a*	n/a*
Apr-00	Feet	n/a*	372.82	n/a*	373.21	373.44	n/a*	n/a*	n/a*	n/a*
Jun-00	Feet	n/a*	373.31	n/a*	372.56	372.74	n/a*	n/a*	n/a*	n/a*
Sep-00	Feet	n/a*	371.96	n/a*	371.33	371.50	n/a*	n/a*	n/a*	n/a*
Dec-00	Feet	n/a*	372.52	n/a*	371.03	371.19	n/a*	n/a*	n/a*	n/a*
Mar-01	Feet	n/a*	375.02	n/a*	373.43	373.60	n/a*	n/a*	n/a*	n/a*
Jun-01	Feet	n/a*	372.45	n/a*	372.35	371.54	n/a*	n/a*	n/a*	n/a*
Sep-01	Feet	n/a*	370.12	n/a*	369.31	369.46	n/a*	n/a*	n/a*	n/a*
Dec-01	Feet	n/a*	369.05	n/a*	367.31	367.59	n/a*	n/a*	n/a*	n/a*
Mar-02	Feet	n/a*	369.72	n/a*	368.01	368.14	n/a*	n/a*	n/a*	n/a*
June-02	Feet	n/a*	371.35	n/a*	370.37	370.59	n/a*	n/a*	n/a*	n/a*
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	385.36	364.89
Jun-05	Feet	374.88	370.74	NS	378.44	364.92	372.55	373.40	385.87	367.92
Sep-06	Feet	373.18	368.74	373.61	372.24	372.72	372.45	368.83	383.12	365.92
Dec-07	Feet	372.05	NS	372.19	371.64	371.70	371.15	371.83	383.82	366.42
Aug-09	Feet	373.40	369.16	373.54	373.18	373.22	372.75	372.88	386.04	367.23

	Units	MW 304D	MW 220	MW 221S	MW 221D	MW 222	MW 223S	MW 223D	MW 230S	MW 250D
Nov-1990	Feet		360.71	363.58	365.44	362.38	371.05	371.09	372.34	372.63
Feb-1991	Feet		360.04	364.53	365.76	363.34	372.13	372.23	373.81	374.01
May-1991	Feet		359.14	364.94	365.57	363.55	372.69	372.77	374.27	374.54
Aug-1991	Feet		357.23	362.74	363.00	360.85	369.81	369.93	370.90	371.22
Nov-1991	Feet		357.35	361.62	362.83	360.41	369.10	368.59	370.20	370.42
Feb-1992	Feet		358.36	362.77	364.00	361.48	369.86	370.21	371.54	371.77
May-1992	Feet		359.19	364.02	364.93	362.64	371.33	371.56	373.18	373.62
Aug-1992	Feet		359.55	364.01	364.39	362.52	370.96	371.12	372.41	372.71
Dec-1992	Feet		359.56	362.76	364.20	361.47	369.66	369.81	370.90	371.12
Feb-1993	Feet		359.86	364.33	365.57	363.20	371.19	371.42	372.88	373.27
May-1993	Feet		359.14	366.35	365.93	365.03	372.98	373.06	374.53	374.75
Sep-1993	Feet		356.85	362.11	362.66	360.93	369.61	369.35	370.52	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	n/a*	358.03	362.78	363.62	361.60	369.95	370.05	371.22	371.38
March - 95	Feet	n/a*	360.89	365.46	366.32	365.10	375.52	372.62	374.28	374.81
June-95	Feet	n/a*	357.76	363.33	362.77	362.62	370.81	370.90	372.18	372.35
Sept. - 95	Feet	n/a*	356.81	361.38	362.01	360.45	368.55	368.67	369.41	369.33
Nov-95	Feet	n/a*	360.59	364.52	365.18	363.06	371.32	371.42	372.94	373.27
April-96	Feet	n/a*	361.57	366.94	364.96	365.17	373.59	373.68	375.28	374.84
June-96	Feet	n/a*	347.21	366.24	363.46	355.43	373.11	373.23	374.57	374.20
Sept-96	Feet	n/a*	360.60	364.97	363.25	363.14	372.35	372.41	373.92	374.67
Dec-96	Feet	n/a*	360.29	365.97	366.47	366.22	372.73	372.85	374.38	374.64
May-97	Feet	n/a*	360.16	365.74	366.22	364.06	372.80	372.92	374.51	374.95
June-97	Feet	n/a*	357.82	364.49	364.79	363.10	375.54	372.00	372.97	373.15
Sept-97	Feet	n/a*	358.97	363.04	363.12	361.52	373.73	370.77	371.91	372.21
Dec-97	Feet	n/a*	358.97	363.31	364.22	361.73	370.70	370.80	372.44	372.44
Mar-98	Feet	n/a*	362.68	366.87	367.54	364.62	373.48	373.59	375.20	375.85
June-98	Feet	n/a*	362.73	368.37	368.47	365.76	374.15	374.28	375.88	376.56
Sept-98	Feet	n/a*	357.15	363.19	363.57	362.05	370.46	370.58	371.39	371.45
Dec-98	Feet	n/a*	357.04	361.60	362.46	360.50	368.91	369.03	369.79	369.85
Apr-99	Feet	n/a*	360.35	365.18	365.79	363.32	372.54	372.67	NS	NS
June-99	Feet	n/a*	350.96	363.46	363.73	362.12	370.88	371.05	NS	NS
Sep-99	Feet	n/a*	359.54	362.71	362.18	361.04	370.25	370.29	NS	NS
Dec-99	Feet	n/a*	358.25	362.71	363.68	361.31	370.43	370.55	371.86	372.21
Apr-00	Feet	n/a*	363.18	366.54	367.31	364.25	373.72	373.80	375.34	376.12
Jun-00	Feet	n/a*	360.32	366.18	366.03	364.52	372.87	373.02	NS	NS
Sep-00	Feet	n/a*	358.80	364.80	364.97	363.30	371.85	371.85	NS	NS
Dec-00	Feet	n/a*	360.96	365.52	363.75	362.35	371.48	371.59	NS	NS
Mar-01	Feet	n/a*	363.61	366.84	367.81	364.76	373.85	374.01	NS	NS
Jun-01	Feet	n/a*	359.25	364.93	365.05	363.58	371.96	371.96	373.21	373.48
Sep-01	Feet	n/a*	356.81	362.24	362.67	360.89	369.60	369.72	NS	NS
Dec-01	Feet	n/a*	356.71	360.82	361.70	359.88	367.78	367.64	NS	NS
Mar-02	Feet	n/a*	353.76	360.47	361.76	361.76	368.65	368.74	NS	NS
Jun-02	Feet	n/a*	358.91	363.34	363.92	362.23	370.69	370.99	NS	NS
Sep-02	Feet	n/a*	356.44	361.13	361.64	360.23	368.24	368.35	369.08	369.10
Dec-02	Feet	365.28	359.60	363.50	364.79	362.26	371.60	371.35	NS	NS
Apr-04	Feet	368.32	361.52	367.23	367.45	365.75	373.90	373.90	375.40	375.77
Jun-05	Feet	363.48	358.74	365.34	362.99	364.59	378.65	362.26	372.60	370.71
Sep-06	Feet	365.58	360.54	366.04	363.89	368.09	378.15	372.86	370.40	367.81
Dec-07	Feet	365.13	360.6	365.68	364.09	363.14	372.09	371.91	373.05	373.16
Aug-09	Feet	367.73	360.65	366.57	366.54	365.21	373.46	373.40	374.76	375.09

	Units	MW 232S	MW 233S	MW 234S	MW 234D	MW 235S	MW 235D	MW 245S	MW 245D	MW 3B
Nov 1990	Feet	374.39	377.21	370.74	370.89	369.99	370.72	361.10	359.97	n/a*
Feb 1991	Feet	370.85	377.22	371.82	371.59	371.21	372.01	360.72	360.61	n/a*
May 1991	Feet	374.92	377.45	372.22	372.39	371.61	372.87	359.66	360.52	n/a*
Aug 1991	Feet	373.49	377.02	370.30	370.41	371.27	369.18	358.11	357.92	n/a*
Nov 1991	Feet	372.90	375.86	369.18	369.20	368.45	368.90	358.16	357.35	n/a*
Feb 1992	Feet	372.96	376.41	369.76	369.98	369.60	369.60	359.30	359.30	n/a*
May 1992	Feet	373.92	377.17	371.23	371.33	370.45	370.84	360.02	360.39	n/a*
Aug 1992	Feet	373.96	376.82	371.10	371.07	370.44	370.72	359.53	359.78	n/a*
Dec 1992	Feet	372.90	376.11	369.65	369.65	369.14	369.14	360.27	359.85	n/a*
Feb 1993	Feet	374.26	377.32	367.09	371.23	370.38	370.64	360.70	360.28	n/a*
May 1993	Feet	376.37	379.28	373.02	372.88	372.08	372.45	359.83	360.25	n/a*
Sep 1993	Feet	373.97	376.92	369.56	369.48	368.52	368.99	357.47	359.67	n/a*
Dec 1993	Feet	372.92	376.30	369.23	369.26	368.70	370.02	362.66	362.73	n/a*
Feb 1994	Feet	373.10	376.35	369.97	370.27	369.70	372.80	360.55	360.85	n/a*
May 1994	Feet	375.64	376.43	373.81	373.27	372.60	370.16	358.90	358.26	n/a*
Aug-94	Feet	374.15	376.93	370.80	370.66	369.88	369.47	358.72	358.71	n/a*
Nov-94	Feet	373.45	376.24	370.23	370.04	369.23	372.03	361.51	361.95	n/a*
March - 95	Feet	374.58	378.68	374.10	372.58	371.80	372.03	358.41	358.60	n/a*
June-95	Feet	374.15	376.81	370.93	370.69	369.96	368.07	357.50	357.55	n/a*
Sept. - 95	Feet	372.80	375.35	368.63	368.54	367.90	370.80	360.77	360.98	n/a*
Nov-95	Feet	373.71	378.27	372.72	371.28	370.59	372.81	362.27	359.90	n/a*
April-96	Feet	376.36	379.39	374.96	373.50	372.81	370.64	362.72	362.72	n/a*
June-96	Feet	376.10	378.84	373.42	373.12	372.25	368.97	364.64	359.36	n/a*
Sept-96	Feet	375.23	379.25	374.46	372.67	372.08	372.17	361.31	361.02	n/a*
Dec-96	Feet	375.67	378.46	374.19	372.78	372.05	372.38	360.86	358.59	n/a*
May-97	Feet	375.52	377.94	374.23	372.85	370.91	371.15	358.57	358.57	n/a*
June-97	Feet		377.46	371.97	371.69	370.04	370.37	358.63	358.86	n/a*
Sept-97	Feet	373.90	378.33	371.47	370.71	370.04	370.37	359.54	359.54	n/a*
Dec-97	Feet	373.46	376.33	371.59	370.62	369.88	370.25	363.43	362.69	n/a*
Mar-98	Feet	375.09	378.06	375.40	373.69	376.98	373.33	363.46	361.05	n/a*
June-98	Feet	376.60	380.20	376.55	374.56	376.19	374.32	357.85	357.90	n/a*
Sept-98	Feet	374.46	377.03	370.73	370.47	369.72	370.13	357.73	357.73	n/a*
Dec-98	Feet	372.96	375.54	368.95	368.86	368.11	368.39	358.10	356.86	n/a*
Apr-99	Feet	NS	372.73	373.34	372.48	NS	NS	358.10	358.86	n/a*
June-99	Feet	NS	NS	371.06	370.91	NS	NS	358.10	358.86	n/a*
Sep-99	Feet	NS	NS	370.08	370.04	NS	NS	358.72	358.72	n/a*
Dec-99	Feet	NS	NS	370.29	370.33	NS	NS	364.34	361.50	n/a*
Apr-00	Feet	NS	NS	374.97	373.79	NS	NS	360.84	360.73	n/a*
Jun-00	Feet	374.83	377.30	373.79	372.95	372.34	372.54	359.44	359.44	n/a*
Sep-00	Feet	374.35	376.94	372.25	371.82	371.10	371.35	361.49	360.50	n/a*
Dec-00	Feet	373.55	374.24	372.44	371.44	370.66	370.99	364.22	362.29	n/a*
Mar-01	Feet	374.65	378.17	375.50	373.94	373.32	373.49	359.61	359.61	n/a*
Jun-01	Feet	374.65	377.14	372.20	371.77	371.11	371.37	357.30	357.08	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	367.09	367.35	357.30	357.51	n/a*
Mar-02	Feet	371.10	373.74	367.75	368.21	367.31	367.67	353.06	353.06	n/a*
Jun-02	Feet	372.58	375.04	371.04	370.72	369.96	370.32	358.18	357.22	n/a*
Sep-02	Feet	371.70	374.18	368.42	368.22	366.61	367.91	360.22	360.33	n/a*
Dec-02	Feet	372.77	375.56	371.32	371.18	370.03	370.32	361.53	358.43	n/a*
Apr-04	Feet	well under water	379.23	374.82	373.60	372.82	378.91	360.88	359.74	n/a*
Jun-05	Feet	NS	378.69	372.33	372.60	NS	NS	355.88	355.88	n/a*
Sep-06	Feet	NS	378.19	373.53	372.60	NS	NS	359.03	359.03	n/a*
Dec-07	Feet	374.62	376.84	376.58	371.50	NS	NS	360.63	359.87	n/a*
Aug-09	Feet	377.08	378.79	374.38	373.22	NS	NS	360.91	360.80	n/a*

NS - Not Sampled

*No Survey Data Available for Correlation.

Note: Wells were resurveyed in 2003/2004

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	PZ-1A	PZ-4	PZ-11	MW-3B	MW-2075A	MW-207D	MW-220	MW-221S	MW-221D	MW-222	MW-223S	MW-223D	MW-230S	MW-230D	MW-232-S
Specific Conductivity UmHos/cm	umhos/cm	674	970	862	801	674	666	1460	880	377	1830	818	366	452	244	446
En (MV)	MV	121	129	54	132	-100	-35	9	81	51	-97	-56	-102	40	39	-85
Field pH	S.U.	7.43	7.25	7.09	7.17	7.12	7.12	7.05	7.31	7.64	6.84	6.99	6.61	7.55	7.66	8.12
Temperature (deg. C)	deg. C	15.2	19.1	16.6	17.3	16.1	16.3	16.3	16.43	15.37	19.5	15.4	15.9	16.42	16.31	14.87
Turbidity (NTU)	NTU	2.2	3.8	109.0	2.7	116.0	70.1	47.1	171.6	33.2	157.0	116.0	7.7	88.3	27.2	48.2
TOC	mg/l	<1	1.5	3.9	2.6	3.2	2.2	2.9	2.1	2.9	6.1	2.8	1.7	<1	<1	2.5
Alkalinity as CaCO3	mg/l	218	502	516	400	514	314	456	523	148	808	496	108	152	135	242
Ammonia as N	mg/l	0.10	0.22	0.37	1.06	0.26	0.07	0.07	0.07	0.06	8.59	0.08	0.36	0.06	0.08	0.03
Biological Oxygen Demand	mg/l	<2	<4	<12	<2	<4	<2	<4	<4	4	<12	<2	<2	<2	<2	<4
Chloride	mg/l	30	32	14	64	26	17	18	25	62	67	7	8	53	2	6
Chemical Oxygen Demand	mg/l	12	20	28	32	40	8	4	20	48	60	9	4	4	4	4
Color	mg/l	2	2	10	5	5	2	5	2	25	2	2	2	2	2	2
Cyanide	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachrome	mg/l	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Nitrate as N	mg/l	0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	0.33	0.11	<0.05	<0.05	0.07	<0.05	<0.05	<0.05
Total Hardness as CaCO3	mg/l	382	636	538	399	557	397	627	535	193	800	523	141	244	93	257
Kjeldahl Nitrogen as N	mg/l	<0.5	0.57	0.95	1.61	0.85	<0.5	<0.5	<0.5	1.67	8.77	0.53	0.58	<0.5	<0.5	<0.5
Phenolics, Total	mg/l	<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
Solids, Dissolved	mg/l	572	844	672	632	568	517	800	650	290	1078	526	161	308	162	292
Sulfate as SO4	mg/l	166	180	59.4	55.8	<5	93.8	178	53.9	29.5	68.9	37.6	49.0	36.0	13.4	31.6
Bromide	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.68	0.42	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, dissolved	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aluminum	mg/l	0.22	0.22	0.24	0.31	9.7	3.2	3.6	5.8	0.41	0.06	0.28	0.06	2.5	0.43	0.27
Aluminum, dissolved	mg/l	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	0.19	<0.02	0.04	<0.02	<0.02	0.03	0.05	0.06	<0.02
Antimony	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Antimony, dissolved	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03
Arsenic, dissolved	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Barium	mg/l	0.04	0.04	0.07	0.20	0.45	0.10	0.07	0.27	0.06	0.47	0.12	0.08	0.10	0.06	0.09
Barium, dissolved	mg/l	0.04	0.06	0.06	0.17	0.35	0.07	0.05	0.21	0.04	0.35	0.11	0.07	0.08	0.05	0.07
Beryllium	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Beryllium, dissolved	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Boron	mg/l	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, dissolved	mg/l	<0.1	0.12	<0.1	0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cadmium, dissolved	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/l	110	179	164	117	162	116	174	183	46	220	142	46	77	27	80
Calcium, dissolved	mg/l	110	187	163	159	147	108	189	184	39	208	136	42	68	25	81
Chromium	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	Class 0A - Class 0A Standards - Compliance	PZ-1A 8/18/2009	PZ-4 8/18/2009	PZ-11 8/18/2009	MW-3B 8/18/2009	MW-207SA 8/19/2009	MW-207D 8/19/2009	MW-220 8/18/2009	MW-221S 8/20/2009	MW-221D 8/20/2009	MW-222 8/18/2009	MW-223S 8/19/2009	MW-223D 8/19/2009	MW-230S 8/19/2009	MW-230D 8/19/2009	MW-232-S 8/20/2009
2-Hexanone	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chloroethylvinylether	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	ug/l	5	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Bromochloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoforn	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/l	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/l	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/l	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromomethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MEK (2-Butanone)	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes, total	ug/l	5	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Styrene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,4-Dichloro-2-butene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Acetate	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

NA - Not Analyzed

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	Class QA Standard	Class QA Guideline	MW-233S 8/19/2009	MW-234D 8/19/2009	MW-245S 8/18/2009	MW-245D 8/18/2009	MW-312S 8/20/2009	MW-303S 8/19/2009	MW-303D 8/19/2009	MW-304S 8/20/2009	MW-304VS 8/20/2009	MW-304D 8/20/2009
Specific Conductivity Umhos/cm	umhos/cm			662	540	1540	813	688	756	1530	766	805	724
Eh (MV)	MV			73	71	87	89	50	-108	-10	-95	-102	-88
Field pH	S.U		8.2-8.6	7.85	7.72	7.31	7.20	6.98	7.32	8.05	7.25	6.91	6.98
Temperature (deg. C)	deg. C			14.9	15.6	15.9	17.9	15.11	15.71	16.72	14.44	15.31	14.30
Turbidity (NTU)	NTU			17.1	13.1	103.0	9.0	47.7	117.0	59.6	348.2	733.0	42.5
TOC	mg/l			3.9	1.1	2.4	1.8	3.8	3.8	1.4	3.9	3.6	2.6
Alkalinity as CaCo3	mg/l			314	168	410	350	257	428	286	432	396	380
Ammonia as N	mg/l			0.03	0.06	0.12	11.2	0.57	0.86	0.58	0.45	0.22	1.42
Biological Oxygen Demand	mg/l			<2	<2	<4	<4	<12	6	<2	5	<24	<4
Chloride	mg/l			2	36	86	24	18	40	135	54	838	45
Chemical Oxygen Demand	mg/l			4	4	4	13	4	4	56	62	62	62
Color	mg/l			2	2	10	2	15	5	2	25	10	15
Cyanide	mg/l		0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachrome	mg/l		0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Nitrate as N	mg/l		10	10.4	<0.05	<0.05	<0.05	10.1	0.08	0.08	<0.05	<0.05	<0.05
Total Hardness as CaCo3	mg/l			372	266	590	323	399	399	189	481	668	383
Kjeldahl Nitrogen as N	mg/l			<0.5	<0.5	0.67	11.2	0.97	1.85	0.73	1.48	2.07	1.54
Phenolics, Total	mg/l		0.005	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Solids, Dissolved	mg/l		0.05	450	358	822	520	550	494	818	548	2054	474
Sulfate as SO4	mg/l		250	59.4	77.2	152	93.2	121	<5	95.1	5.01	34.3	31.6
Bromide	mg/l			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.5	<0.1	<0.1	<0.1
Mercury	mg/l		0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, dissolved	mg/l		0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Aluminum	mg/l			0.30	0.21	7.5	0.07	0.54	1.3	4.6	13	9.6	0.12
Aluminum, dissolved	mg/l			<0.02	<0.02	<0.02	<0.02	0.04	0.02	0.02	<0.02	0.13	<0.02
Antimony	mg/l		0.003	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Antimony, dissolved	mg/l		0.003	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	mg/l		0.025	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic, dissolved	mg/l		0.025	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Barium	mg/l		1	0.07	0.07	0.12	0.11	0.07	0.11	0.06	0.40	0.23	0.20
Barium, dissolved	mg/l		1	0.06	0.07	0.07	0.10	0.07	0.09	0.03	0.29	0.17	0.18
Beryllium	mg/l		0.003	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Beryllium, dissolved	mg/l		0.003	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Boron	mg/l		1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.36	<0.1	<0.1	<0.1
Boron, dissolved	mg/l		1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.37	<0.1	<0.1	<0.1
Cadmium	mg/l		0.025	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cadmium, dissolved	mg/l		0.025	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Calcium	mg/l		0.005	108	80	164	86	122	127	43	141	225	110
Calcium, dissolved	mg/l		0.005	113	81	159	97	117	126	47	120	187	102
Chromium	mg/l		<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	<0.02

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	Class. GIL, Class. GIL Standard, GIL Standard	MW-233S 8/19/2009	MW-234D 8/19/2009	MW-245S 8/19/2009	MW-245D 8/19/2009	MW-312S 8/20/2009	MW-303S 8/19/2009	MW-303D 8/19/2009	MW-304S 8/20/2009	MW-304VS 8/20/2009	MW-304D 8/20/2009
Chromium, dissolved	mg/l	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt	mg/l		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02
Cobalt, dissolved	mg/l		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	mg/l	0.3	0.02	<0.02	0.02	<0.02	<0.02	0.02	<0.02	0.06	0.05	0.02
Copper, dissolved	mg/l		<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02
Iron	mg/l	0.3	0.35	0.64	12	0.87	1.5	15	8.1	35	12	6.5
Iron, dissolved	mg/l		<0.02	0.08	0.05	0.05	0.13	10	0.08	8.7	0.21	4.9
Lead	mg/l	0.005	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	0.02	<0.02
Lead, dissolved	mg/l	0.005	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Magnesium	mg/l		25	16	44	26	23	20	20	31	26	26
Magnesium, dissolved	mg/l		31	15	38	28	22	20	19	23	23	25
Manganese	mg/l	0.3	0.35	0.49	2.4	0.33	0.38	1.5	0.03	3.3	4.5	0.78
Manganese, dissolved	mg/l	0.3	0.05	0.48	2.1	0.43	0.36	1.5	0.03	2.4	4.0	0.68
Nickel	mg/l	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	0.03	<0.02
Nickel, dissolved	mg/l	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Potassium	mg/l		1.6	5.2	8.2	3.0	4.6	2.5	5.6	5.8	5.8	3.4
Potassium, dissolved	mg/l		1.6	5.6	1.7	2.7	3.4	2.1	4.8	2.2	3.6	3.1
Selenium	mg/l	0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium, dissolved	mg/l	0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	mg/l	0.05	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.01	0.01
Silver, dissolved	mg/l	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Sodium	mg/l	20	1.6	19	38	49	10	19	180	16	357	25
Sodium, dissolved	mg/l	20	1.6	19	38	42	10	18	180	15	400	25
Thallium	mg/l		0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.04	0.07	<0.02
Thallium, dissolved	mg/l		<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	0.02	0.03	<0.02
Vanadium	mg/l		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium, dissolved	mg/l		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	mg/l		<0.02	<0.02	0.05	<0.02	<0.02	0.05	0.02	0.08	0.04	0.02
Zinc, dissolved	mg/l		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acetone	ug/l		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichloroethane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/l		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/l	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	C-Spec QA - Chem DA Method: Guidelines	MW-233S 8/19/2009	MW-234D 8/19/2009	MW-245S 8/18/2009	MW-245D 8/18/2009	MW-312S 8/20/2009	MW-303S 8/19/2009	MW-303D 8/19/2009	MW-304S 8/20/2009	MW-304VS 8/20/2009	MW-304D 8/20/2009
2-Hexanone	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Chloroethylvinylether	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	ug/l	1	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Bromochloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/l	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromomethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/l	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	ug/l	7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/l	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromomethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MEK (2-Butanone)	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/l	5	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, total	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,4-Dichloro-2-butene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Acetate	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Chloride	ug/l	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NA - Not Analyzed

TABLE 4 - SURFACE WATER ANALYTICAL DATA

	Units	Class C Std.	SW-3	SW-5	SW-8	SW-13
Date Sampled			8/20/2009	8/20/2009	8/20/2009	8/20/2009
Specific Conductivity UmHos/cm	UmHos/cm		389	384	379	390
Eh (MV)	MV		125	160	180	125
Field pH	SU	6.5-8.5	7.47	7.48	7.5	7.64
Temperature (deg. C)	deg C		25.99	25.77	25.91	22.31
Turbidity (NTU)	NTU		12.5	13.7	14.1	18.5
TOC	mg/l		9.3	9.2	9.2	12
Alkalinity as CaCo3	mg/l		136	137	136	158
Ammonia as N	mg/l		0.1	0.07	0.07	0.07
Biological Oxygen Demand	mg/l		<4	<2	<2	<4
Chloride	mg/l		55	55	53	34
Chemical Oxygen Demand	mg/l		28	32	32	40
Color (Pt. Co. U.)	mg/l		60	60	60	80
Nitrate as N	mg/l		0.6	0.62	0.6	0.4
Total Hardness as CaCo3	mg/l		154	159	159	172
Kjeldahl Nitrogen as N	mg/l		1.16	1.23	1.33	0.89
Phenolics, Total	mg/l	0.005	<0.010	<0.010	<0.010	<0.010
Solids, Dissolved	mg/l	500	266	276	267	292
Sulfate as SO4	mg/l		5.19	5.49	5.49	38.1
Bromide	mg/l	2	<0.1	<0.1	<0.1	<0.1
Aluminum	mg/l	0.1	0.4	0.28	0.26	0.08
Antimony	mg/l		<0.02	<0.02	<0.02	<0.02
Arsenic	mg/l		<0.02	<0.02	<0.02	<0.02
Barium	mg/l		0.02	0.02	0.02	0.03
Beryllium	mg/l	1100	<0.02	<0.02	<0.02	<0.02
Boron	mg/l	10	<0.1	<0.1	<0.1	<0.1
Cadmium	mg/l	2.9	<0.02	<0.02	<0.02	<0.02
Calcium	mg/l		40	42	42	51
Chromium	mg/l	106	<0.02	<0.02	<0.02	<0.02
Cobalt	mg/l		<0.02	<0.02	<0.02	<0.02
Copper	mg/l	13.0	<0.02	<0.02	<0.02	<0.02
Cyanide, Total	mg/l	9	<0.005	<0.005	<0.005	<0.005
Hexachromium	mg/l	0.011	<0.004	<0.004	<0.004	<0.004
Iron	mg/l	0.3	0.85	0.79	0.86	0.8
Lead	mg/l	6.0	<0.02	<0.02	<0.02	<0.02
Magnesium	mg/l		13	13	13	11
Manganese	mg/l		0.12	0.11	0.11	0.11
Mercury	mg/l	0.0007	<0.001	<0.001	<0.001	<0.001
Nickel	mg/l	75	<0.02	<0.02	<0.02	<0.02
Potassium	mg/l		2	1.9	1.9	1.4
Selenium	mg/l	0.0046	<0.02	<0.02	<0.02	<0.02
Silver	mg/l	0.0001	<0.01	0.01	<0.01	<0.01
Sodium	mg/l		29	29	28	19
Thallium	mg/l	0.008	<0.02	0.02	<0.02	0.02
Vanadium	mg/l	0.014	<0.02	<0.02	<0.02	0.274
Zinc	mg/l	119	<0.02	<0.02	<0.02	<0.02

TABLE 4 - SURFACE WATER ANALYTICAL DATA

Date Sampled	Units	Class C Std.	SW-3 8/20/2009	SW-5 8/20/2009	SW-8 8/20/2009	SW-13 8/20/2009
Acetone	ug/l		<10	<10	<10	<10
Acrylonitrile	ug/l		<5	<5	<5	<5
Benzene	ug/l	1	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane	ug/l		<1	<1	<1	<1
Bromomethane	ug/l		<2	<2	<2	<2
Bromochloromethane	ug/l	5	<1	<1	<1	<1
Bromoform	ug/l		<1	<1	<1	<1
2-Butanone	ug/l		<5	<5	<5	<5
Carbon Disulfide	ug/l		<1	<1	<1	<1
Carbon Tetrachloride	ug/l		<1	<1	<1	<1
Chlorobenzene	ug/l	5	<1	<1	<1	<1
Chloroethane	ug/l		<2	<2	<2	<2
Chloroform	ug/l	5	<1	<1	<1	<1
Chloromethane	ug/l	5	<2	<2	<2	<2
Dibromochloromethane	ug/l	7	<1	<1	<1	<1
Dichlorodifluoromethane	ug/l		<2	<2	<2	<2
Dibromomethane	ug/l	5	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/l		<1	<1	<1	<1
1,2-Dibromoethane	ug/l	0.4	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/l		<1	<1	<1	<1
1,3-Dichlorobenzene	ug/l		<1	<1	<1	<1
1,4-Dichlorobenzene	ug/l	3	<1	<1	<1	<1
Trans-1,4-Dichloro-2-butene	ug/l	5	<5	<5	<5	<5
1,1-Dichloroethane	ug/l	5	<1	<1	<1	<1
1,2-Dichloroethane	ug/l	5	<1	<1	<1	<1
1,1-Dichloroethene	ug/l	0.6	<1	<1	<1	<1
1,2-Dichloropropane	ug/l		<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/l	1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/l	0.4	<1	<1	<1	<1
Ethylbenzene	ug/l	0.4	<1	<1	<1	<1
2-Hexanone	ug/l	5	<5	<5	<5	<5
2-Chloroethylvinylether	ug/l		<5	<5	<5	<5
Iodomethane (Methyl iodine)	ug/l		<1	<1	<1	<1
Methylene Chloride	ug/l	5	<5	<5	<5	<5
4-Methyl-2-pentanone	ug/l		<5	<5	<5	<5
Styrene	ug/l		<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	ug/l	5	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/l	5	<1	<1	<1	<1
Tetrachloroethene	ug/l	5	<1	<1	<1	<1
Toluene	ug/l	5	<1	<1	<1	<1
Trichloroethene	ug/l		<1	<1	<1	<1
1,1,1-Trichloroethane	ug/l	5	<1	<1	<1	<1
1,1,2-Trichloroethane	ug/l	5	<1	<1	<1	<1
Trichlorofluoromethane	ug/l	5	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/l	5	<1	<1	<1	<1
Vinyl Acetate	ug/l	0.04	<5	<5	<5	<5
Vinyl Chloride	ug/l	2	<1	<1	<1	<1
Xylenes, total	ug/l	5	<3	<3	<3	<3

* Arsenic - dissolved arsenic form.

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

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

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

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

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

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

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

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

TABLE 5 – MANHOLE ANALYTICAL RESULTS

<i>Date Sampled</i>	<i>Units</i>	<i>MH-7 8/20/2009</i>	<i>MH-15 8/20/2009</i>
Specific Conductivity Umhos/cm	uMhos	2590	2360
Eh (MV)	Mv	140	89
Field pH	SU	6.79	6.48
Temperature (deg. C)	deg C	18.96	18.75
Turbidity (NTU)	NTU	31	265
TOC	mg/l	19	33
Alkalinity as CaCo3	mg/l	174	796
Ammonia as N	mg/l	45.2	64.4
Biological Oxygen Demand	mg/l	<6	24
Chloride	mg/l	215	153
Chemical Oxygen Demand	mg/l	132	132
Color (Pt. Co. U.)	mg/l	45	35
Nitrate as N	mg/l	92	<0.05
Total Hardness as CaCo3	mg/l	506	487
Kjeldahl Nitrogen as N	mg/l	49.4	67.3
Phenolics, Total	mg/l	<0.010	<0.010
Solids, Dissolved	mg/l	1408	856
Sulfate as SO4	mg/l	351	<5.
Bromide	mg/l	1.7	1.4
Cyanide, Total	mg/l	<0.005	<0.005
Hexachromium	mg/l	<0.004	<0.004
Mercury	mg/l	<0.001	<0.001
Aluminum	ug/l	<0.02	<0.02
Antimony	ug/l	<0.02	<0.02
Arsenic	ug/l	<0.02	<0.02
Barium	ug/l	0.03	0.09
Beryllium	ug/l	<0.02	<0.02
Boron	ug/l	0.32	0.44
Cadmium	ug/l	<0.02	<0.02
Calcium	ug/l	173	139
Chromium	ug/l	<0.02	<0.02
Cobalt	ug/l	<0.02	<0.02
Copper	ug/l	<0.02	0.02
Iron	ug/l	0.15	10
Lead	ug/l	<0.02	<0.02
Magnesium	ug/l	18	34
Manganese	ug/l	1.1	1.9
Nickel	ug/l	0.02	0.02
Potassium	ug/l	41	30
Selenium	ug/l	<0.02	<0.02
Silver	ug/l	0.01	<0.01
Sodium	ug/l	130	120
Thallium	ug/l	0.05	0.04
Vanadium	ug/l	<0.02	<0.02
Zinc	ug/l	<0.02	<0.02

TABLE 5 – MANHOLE ANALYTICAL RESULTS

Date Sampled	Units	MH-7 8/20/2009	MH-15 8/20/2009
Acetone	ug/l	10	11
1,2-Dichloroethane	ug/l	<1	<1
1,1 Dichloroethane	ug/l	<1	<1
1,1,1,2-Tetrachloroethane	ug/l	<1	<1
1,1,1-Trichloroethane	ug/l	<1	<1
1,1,2,2-Tetrachloroethane	ug/l	<1	<1
1,1,2-Trichloroethane	ug/l	<1	<1
1,1-Dichloroethene	ug/l	<1	<1
1,2,3-Trichloropropane	ug/l	<1	<1
1,2-Dibromo-3-chloropropane	ug/l	<1	<1
1,2-Dibromoethane	ug/l	<1	<1
1,2-Dichlorobenzene	ug/l	<1	<1
1,3-Dichlorobenzene	ug/l	<1	<1
1,2-Dichloropropane	ug/l	<1	<1
1,4-Dichlorobenzene	ug/l	<1	3.4
2-Hexanone	ug/l	<5	<5
2-Chloroethylvinylether	ug/l	<5	<5
Acrylonitrile	ug/l	<5	<5
Benzene	ug/l	<0.7	<0.7
Bromochloromethane	ug/l	<1	<1
Bromodichloromethane	ug/l	<1	<1
Bromoform	ug/l	<1	<1
Bromomethane	ug/l	<2	<2
Carbon Disulfide	ug/l	<1	<1
Carbon Tetrachloride	ug/l	<1	<1
Chlorobenzene	ug/l	<1	<1
Chloroethane	ug/l	<1	<1
Chloroform	ug/l	<1	<1
Chloromethane	ug/l	<1	<1
cis-1,2-Dichloroethene	ug/l	<1	<1
cis-1,3-Dichloropropene	ug/l	<1	<1
Dibromochloromethane	ug/l	<1	<1
Dibromomethane	ug/l	<1	<1
Dichlorodifluoromethane	ug/l	<2	<2
Ethylbenzene	ug/l	<1	<1
Iodomethane	ug/l	<1	<1
MEK (2-Butanone)	ug/l	<5	<5
Methylene Chloride	ug/l	<5	<5
4-Methyl-2-Pentanone	ug/l	<3	<3
Total Xylenes	ug/l	<1	<1
Styrene	ug/l	<1	<1
Tetrachloroethene	ug/l	<1	<1
Toluene	ug/l	<1	<1
trans-1,2-Dichloroethene	ug/l	<1	<1
trans-1,3-Dichloropropene	ug/l	<1	<1
Trans-1,4-Dichloro-2-butene	ug/l	<5	<5
Trichloroethene	ug/l	<1	<1
Trichlorofluoromethane	ug/l	<1	<1
Vinyl Acetate	ug/l	<5	<5
Vinyl Chloride	ug/l	<1	<1

TABLE 6 - SHALLOW UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl- (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-231S	Nov-89		8.7	126	485	0.065	171	45.9	5.9	59.1	0.533		0.0075		15
MW-231S	Feb-90	137	20.6	190		0.011	246	37.3	0.49		3.12		0.145		
MW-231S	Apr-90	164	17	120	266	0.0025	232	38.9	6.46		0.41		0.107		
MW-231S	Nov-90	142	15.7	165	220	0.005	210	36	6.4	58	20	25	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	182	260	0.005	252	37.2	1.5	50.2	9.73	20	0.287	2.37	10.3
MW-231S	Aug-91	154	14.6	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	167	372	0.005		23.6	2	43.3	13.6	19.1	0.346	3.93	9.48
MW-231S	May-92	160	16.5	167	379	0.005	296	85	0.5	40.5	4.7	16.1	0.158	1.41	10.4
MW-231S	Aug-92	152	17.5	215	344	0.005	260	76.8	1	36.6	4.33	30.1	0.174	2.47	6.97
MW-231S	Dec-92	178	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	152	23	176	448	0.005	232	45.8	0.5	44.2	0.626	16	0.204	1.94	18.5
MW-231S	May-94	184	22	173	359	0.005	268	36.7	16	46.5	2.32	13.8	0.18	0.84	10.4
MW-231S	Aug-94	152	24	182	408	0.005	256	44.2	0.5	52	0.41	12.6	0.16	1.52	0.4
MW-231S	Nov-94	186	24	149	361	0.005	248	38.9	4	39.1	0.3	12.5	0.14	1.25	8.87
MW-231S	March-95	166	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	46.6	7.28	15.7	0.26	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	365	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		
MW-230S	Apr-90	159	35.2	200	387	0.0025	308	58.2	9.34					1.86	8.3
MW-230S	Nov-90	161	32.3	215	310	0.005	286	54	9.3	77.5	8.07	14.3	0.499		7.04
MW-230S	Feb-91	144	31.8	245	400	0.005	353	51	15	89.2	16.2	15.9	0.9	2.71	6.9
MW-230S	May-91	142	30.8	216	340	0.005	329	53	1.5	72.4	2.31	11.4	0.388	1.24	6.72
MW-230S	Aug-91	144	30.2	210	490	0.005	318	51.8	10.4	62.2	12.1	11.9	0.591	2.3	8.98
MW-230S	Nov-91	176	31	204	480	0.005	284	111	0.5	64.7	10.5	13.2	0.498	2.85	6.04
MW-230S	Feb-92	164	32.2	216	484	0.005	302		6		8.2	18.6	0.472	1.76	6.49
MW-230S	May-92	162	29.5		436	0.005	276	46.6	0.5						
MW-230S	Aug-92	140	31	184	408	0.005	316	72.8	0.5	54.9	8.68	11.3	0.43	2.36	4.74
MW-230S	Dec-92	150	27	183	469	0.005	308	63.2	0.5	55.1	7.96	11	0.324	2.18	7.14
MW-230S	Feb-93	162	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	356	0.005	272	49.1	13	62	6.04	21.6	0.44	0.69	9.65
MW-230S	Aug-94	140	29	187	423	0.005	280	57	0.5	53.7	1.19	12.8	0.12	1.3	6.43
MW-230S	Nov-94	145	30	159	365	0.005	152	52.9	4	47	0.5	10.1	0.18	0.97	7.37
MW-230S	March-95	165	32	215	356	0.005	272	49	8	68.2	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	8.72
MW-230S	Sept - 95	151	3	202	317	0.005	312	45.2	25	81	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	7.8
MW-230S	June-96	270	27	200	417	0.001	270	32	0.5	65	9.2	11	0.47	1.7	8.5
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	8.5	0.19	2.8	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	0.88	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	June-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	216	436	0.002	273	34.5	0.5	68.7	5.48	11.2	0.432	1.72	7.89
MW-230S	June-05	96.6	31	163	675	0.021	226	39.3	1.48	50.7	0.454	8.79	0.0406	2.4	10.9
MW-230S	Sept-06	180	19	230	113	0.01	310	52	1	69	0.13	14	0.37	5	6.2
MW-230S	Dec-07	160	50	710	436	0.003	350	18	1	210	58	43	4.2	6.9	11
MW-230S	Aug-09	152	53	244	452	<0.010	308	36	<1	77	3.5	13	0.36	1.8	9.3

TABLE 6 - SHALLOW UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

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

TABLE 6 - SHALLOW UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl ⁻ (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4 ⁼ (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-208SA	Mar-90	148	38.2	205		0.02	284	97.3	3.08		0.799		0.374		
MW-208SA	Apr-90	147	37.8	200	398	0.0025	298	41.6	2.28	76	11	13	0.68	2.8	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	364	52.8	13.4	68.9	5.42	10.7	0.512	1.47	15.4
MW-208SA	Nov-91	156	42	186	545	0.005	316	41.4	0.5		0.696	6.6	0.132	0.82	10.3
MW-208SA	Feb-92	156		101	528	0.005		22.8	3	67.7	1.97	10.1	0.384	0.85	14.8
MW-208SA	May-92	156	45.5	211	522	0.005	320	42	0.5						
MW-208SA	Aug-92	154	48	196	486	0.005	364	54.1	0.5	62.7	2.56	9.68	0.386	1.89	13.6
MW-208SA	Dec-92	186	48	190	586	0.005	360	61.1	0.5	59.6	3.9	9.95	0.261	1.89	16.4
MW-208SA	Feb-93	168	45	162	561	0.005	376	44.5	11	50.3	5.03	8.75	0.499	1.95	16.4
MW-208SA	May-93	162	47	198	364	0.005	272	75.1	7	63.2	5.13	9.79	0.393	2.45	19
MW-208SA	Aug-93	172	45	211	412	0.005	340	54.2	0.5	61.7	3.35	13.9	0.331	1.4	19.3
MW-208SA	Dec-93	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	226	574	0.005	296	55.6	0.5	72.5	3.9	11	0.419	1.66	19.4
MW-208SA	May-94	172	49	205	432	0.005	340	47.2	19	64.7	2.76	10.5	0.46	0.81	18.1
MW-208SA	Aug-94	160	47	221	529	0.005	328	59.4	0.5	71.7	0.53	10.1	0.41	1.39	14.9
MW-208SA	Nov-94	186	51	179	445	0.005	352	42.2	0.5	55.8	0.34	9.54	0.32	1.14	19.1
MW-208SA	March-95	125	50	218	417	0.005	344	48.2	9	66.4	2.43	12.6	0.56	2.49	19.4
MW-208SA	June-95	170	51	233	421	0.005	392	44	6	75.4	3.81	10.8	0.63	1.52	16.6
MW-208SA	Sept. - 95	169	47	236	372	0.005	364	48.5	0.5	76.1	2.47	11.1	0.46	1.6	19.8
MW-208SA	Nov-95	168	44	226	389	0.005	372	74.2	6	66.8	9.46	14.3	0.62	2.05	26
MW-208SA	April-96	170	49	320	540	0.001	350	91	2.3	78	5.3	10	0.47	1.4	21
MW-208SA	June-96	210	28	100	528	0.001	340	49	7.8	67	16	11	0.58	2.1	17
MW-208SA	Sept-96	250	4	270	550	0.001	310	100	12	81	39	16	1.2	3.4	19
MW-208SA	Nov-96	200	23	200	513	0.001	320	100	21	51	38	11	0.74	2.4	14
MW-208SA	March-97	230	23	210	581	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	436	0.001	280	63	18	56	65	15	0.95	2.1	10
MW-208SA	June-98	180	7.5	160	374	0.001	260	39	24	46	29	12	0.7	1.8	10
MW-208SA	Sept-98	180	13	200	431	0.001	310	47	14	55	24	14	0.79	2.5	15
MW-208SA	Dec-98	180	24	200	441	0.001	270	61	28	60	30	11	0.61	0.5	15
Mean	= AVERAGE	143.10	23.83	203.33	370.42	0.006	256.25	47.63	4.94	60.07	12.36	13.14	0.55	2.18	9.96
Standard Deviation	= STDEV	41	14	124	104	0.014	66	20	7	34	26	10	0.9	1	5
Count	= COUNT	150	151	150	147	150	150	150	151	139	148	140	148	140	142
Confidence Interval	= CONFIDENCE (95%)	8.70	2.88	26.00	22.02	0.003	13.83	4.12	1.45	7.37	5.54	2.15	0.20	0.32	1.01
Lower Limit	MEAN-CONFIDENCE	134	21	177	348	0.003	242	44	3	53	7	11	0.3	2	9
Upper Limit	MEAN+CONFIDENCE	152	27	228	392	0.009	270	52	6	67	18	16	0.7	3	11

(*)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 7 - SHALLOW GROUNDWATER DATA COMPARISON WITH UPPER CONFIDENCE INTERVAL

Parameter	Units	Upper Confidence Level for the Average ⁽¹⁾	PZ 1A	MW 3B	MW 207SA	MW 220	MW 221S	MW 222
Alkalinity	mg/l CaCO3	152	218	400	514	456	523	808
Chloride	mg/l	27	30	64	26	18	25	47
Hardness	mg/l CaCO3	229	382	399	557	627	535	800
Conductance, field	umhos/cm	392	674	801	874	1460	880	1830
Total Phenols	mg/l	0.009	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
TDS	mg/l	270	572	632	558	800	650	1078
Sulfate	mg/l	52	166	55.8	<5	178	53.9	68.9
TOC	mg/l	6.39	<1	2.6	3.2	2.9	2.1	6.1
Calcium, total	ug/l	67	110	117	162	174	183	220
Iron, total	ug/l	18	0.37	1	35	11	8.3	38
Magnesium, total	ug/l	15	26	26	37	47	19	61
Manganese, total	ug/l	0.75	0.41	0.72	1.3	1.7	0.75	0.66
Potassium, total	ug/l	2.51	2	2.5	5.4	3.1	4	5.7
Sodium, total	ug/l	11	17	39	11	10	18	21

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

not sampled

Parameter	Units	Upper Confidence Level for the Average ⁽¹⁾	MW 223S	MW 303 S	MW 304 S	MW 230S	MW 233S	MW 234S	MW 245S
Alkalinity	mg/l CaCO ₃	152	496	428	432	152	314		410
Chloride	mg/l	27	7	40	54	53	2		86
Hardness	mg/l CaCO ₃	229	523	399	481	244	372		590
Conductance, field	umhos/cm	392	818	756	766	452	662		1540
Total Phenols	mg/l	0.009	<0.010	<0.010	<0.010	<0.010	<0.010		<0.010
TDS	mg/l	270	526	494	548	308	450		822
Sulfate	mg/l	52	37.6	<5	5.01	36	59.4		152
TOC	mg/l	6.39	2.8	3.8	3.9	<1	3.9		2.4
Calcium, total	ug/l	67	142	127	141	77	108		164
Iron, total	ug/l	18	8.3	15	35	3.5	0.35		12
Magnesium, total	ug/l	15	41	20	31	13	25		44
Manganese, total	ug/l	0.75	2	1.5	3.3	0.36	0.35		2.4
Potassium, total	ug/l	2.51	1.7	2.5	5.8	1.6	1.6		8.2
Sodium, total	ug/l	11	16	19	16	9.3	1.6		36

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	28	0.188	6.6	0.17	1.2	22
MW-230D	Apr-90	124	1.5	90	226	0.00025	184	14.1					0.16	0.913	22.6
MW-230D	Nov-90	130	4.9	130	190	0.005	156	16	9.1	27.5	0.385	6.27	0.125	0.915	22.1
MW-230D	Feb-91	126	5	98	250	0.005	184	13.2	8.6	27.5	0.099	6.01	0.118	0.915	21.6
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	80.7	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	0.85	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	6.88	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	May-94	128	1.5	77.3	285	0.005	156	38.9	0.5	23	0.858	6	0.106	0.92	22.1
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	180	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	21.8
MW-230D	June-95	125	3	86	252	0.005	176	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	1.6	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-98	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	0.885	21
MW-230D	Apr-04	124	2.39	82.4	230	0.002	143	12.7	0.5	24.1	0.528	5.4	0.181	0.961	20.9
MW-230D	Jun-05	129	5	66.8	642	0.01	164	11.5	1.1	24.5	0.422	6.23	0.103	1.21	23.2
MW-230D	Sept-06	110	590	450	1064	0.036	1300	130	2	110	1.2	41	0.11	6.8	280
MW-230D	Dec-07	120	6.8	85	236	0.003	190	5.5	1.7	24	1.8	6.2	0.35	1.3	27
MW-230D	Aug-09	136	2	93	244	<0.010	162	13.4	<1	27	0.5	6.1	0.13	0.82	21

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		0.0226		
MW-203VD	Feb-90	103	11.3	130		0.00025	166	28.4	0.54	29	0.348	12	0.04	1	11
MW-203VD	Apr-90	130	1.5	108	209.5	0.00025	151	5	2.88		0.92				
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	185	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	25.8	2.2	11.3	0.051	1.39	9.55
MW-203VD	Feb-92	146	3	111	266	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	96.7	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	76.7	264	0.005	160	8.6	10	18.5	1.08	7.9	0.041	1.08	10.5
MW-203VD	May-93	130	1.5	95.3	209	0.005	140	49.3	15	23.2	0.56	9.09	0.033	1.02	12.1
MW-203VD	Aug-93	130	0.5	114	239	0.005	156	52.4	0.5	20.3	0.869	15.3	0.067	0.44	15.8
MW-203VD	Dec-93	126	0.5	113	233	0.005	140	66.2	8	25.1	1.6	12.2	0.048	1.19	12.7
MW-203VD	Feb-94	132	0.5	142	270	0.005	136	38.2	0.5	27.2	1.86	18	0.035	1.11	11.2
MW-203VD	May-94	136	0.5	96.7	230	0.005	146	18.6	12	21.9	0.37	10.2	0.037	0.61	11.4
MW-203VD	Aug-94	124	0.5	74.6	260	0.005	148	14.6	0.5	12.9	0.24	10.3	0.011	0.92	9.09
MW-203VD	Nov-94	145	1	83.8	238	0.005	280	31.4	9	18.4	0.22	9.2	0.028	1.26	10.8
MW-203VD	March-95	129	0.5	102	242	0.035	160	11.7	14	23.2	0.66	10.6	0.01	1.08	11.2
MW-203VD	June-95	129	2	108	239	0.005	148	4.3	7	25	0.11	11	0.022	1	9.65
MW-203VD	Sept. - 95	133	0.5	104	223	0.005	164	9.1	8	24.5	0.34	10.3	0.044	1	10.5
MW-203VD	Nov-95	136	0.5	99.2	235	0.005	168	24.5	18	22.9	1.04	10.2	0.056	1.32	13.5
MW-203VD	April-96	150	8.6	160	260	0.001	160	10	0.5	29	0.4	11	0.028	1.4	14
MW-203VD	June-96	160	0.5	220	265	0.001	180	6.5	0.5	23	0.13	9.3	0.023	0.93	10
MW-203VD	Sept-96	120	0.5	100	260	0.001	170	13	0.5	24	0.4	10	0.05	1.1	10
MW-203VD	Nov-96	130	0.5	110	241	0.001	150	2.5	0.5	26	0.36	10	0.024	0.5	9.9
MW-203VD	March-97	150	0.5	110	252	0.001	170	10	1	26	0.45	10	0.023	1	6.8
MW-203VD	June-97	150	0.5	120	236	0.001	140	6.9	0.5	28	0.8	11	0.032	1	8.4
MW-203VD	Sept-97	170	39	100	250	0.001	160	6.4	1.1	25	0.26	9.6	0.024	0.5	11
MW-203VD	Dec-97	150	1.9	110	272	0.001	150	28	0.5	27	0.25	10	0.033	0.5	10
MW-203VD	Mar-98	170	0.5	120	274	0.001	150	27	0.5	29	0.76	11	0.031	1	11
MW-203VD	June-98	350	0.25	120	273	0.001	180	5.8	0.5	28	1.4	12	0.052	1.1	11
MW-203VD	Sept-98	150	2.4	120	244	0.001	160	9.6	1.1	27	1.1	12	0.037	1.3	11
MW-203VD	Dec-98	140	1.6	98	242	0.001	120	8.6	0.5	26	1.1	8	0.037	0.5	8.3

TABLE 8 - DEEP UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl- (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-208VD	Mar-90	102	8	94.4		0.022	172	36.9	7.41	32	0.782	7.6	0.128	1.3	16
MW-208VD	Apr-90	103	4.7	98.6	206.5	0.0025	158	25.1	2.48	31.9	2.4	7.16	0.17	0.962	12.3
MW-208VD	Nov-90	113	5.9	110		0.0025	182			22.5	0.989	7.36	0.114	0.928	11.6
MW-208VD	Feb-91	102	6	114	250	0.005	225	28.8	7.6	31.2	0.177	6.75	0.11	0.928	11.6
MW-208VD	May-91	102	3.2	112	190	0.005	180	27.4	1.5	31.5	1.61	7.48	0.155	1.18	11.9
MW-208VD	Aug-91	102	5.2	108	300	0.005	169	30	10	28.3	1.14	6.7	0.15	0.75	11.2
MW-208VD	Nov-91	110	6	98.3	278	0.005	160	29.2	0.5		3.72	10.4	0.487	1.78	13.1
MW-208VD	Feb-92	178	46.5		282	0.005		3		21.2		11.3	0.42		12.7
MW-208VD	May-92	100	4.5	98.9	265	0.005	132	28.6	0.5						
MW-208VD	Aug-92	100	7.5	90.3	256	0.005	172	32.8	0.5	25.9	1.13	8.22	0.132	1.24	7.71
MW-208VD	Dec-92	114	4	89	277	0.005	204	56	0.5	22.5	6.99	7.95	0.152	2.65	11.9
MW-208VD	Feb-93	110	4.5	76.4	294	0.005	200	42	8	20.2	3.71	6.32	0.207	1.61	10.5
MW-208VD	May-93	102	4	96.6	225	0.005	160	62.2	4	28.9	1.04	5.93	0.11	0.99	11.3
MW-208VD	Aug-93	104	4	88.5	234	0.005	184	50.5	0.5	19.3	7.57	9.8	0.198	1.81	13.1
MW-208VD	Dec-93	100	5	106	256	0.005	168	80.7	0.5	30.4	0.277	7.2	0.141	0.79	12.2
MW-208VD	Feb-94	102	0.5	95.6	270	0.005	148	44.3	0.5	27.4	0.287	6.6	0.124	0.67	10.3
MW-208VD	May-94	104	3	96	236	0.005	168	22.4	9	27.3	1.41	6.68	0.13	0.58	10.7
MW-208VD	Aug-94	100	4.5	104	264	0.005	164	31.1	1	27.3	4.64	8.7	0.23	2.16	9.45
MW-208VD	Nov-94	121	5	84.5	246	0.005	184	37.2	0.5	22.9	0.26	6.64	0.13	0.78	14.1
MW-208VD	March-95	114	5	100	252	0.005	176	33.7	6	27.6	1.37	7.6	0.17	1.36	11.8
MW-208VD	June-95	102	6	96	246	0.005	172	28.4	16	28.1	0.08	6.42	0.15	1.3	8.42
MW-208VD	Sept. - 95	101	7	104	235	0.005	196	23.4	0.5	27.8	3.47	6.5	0.24	1.87	10.5
MW-208VD	Nov-95	100	5	95.3	235	0.005	192	40.5	0.5	27.3	0.17	6.6	0.14	0.87	12.1
MW-208VD	April-96	210	9.5	150	260	0.001	180	55	8.5	37	1.2	7.5	0.18	1.3	12
MW-208VD	June-96	130	1.9	100	271	0.0026	170	23	1	30	0.7	6.6	0.14	0.82	9.9
MW-208VD	Sept-96	170	0.5	110	280	0.001	150	26	1.5	31	0.34	7	0.15	0.5	8.9
MW-208VD	Nov-96	110	3.7	93	257	0.001	200	30	0.5	26	0.38	6.6	0.14	0.5	8.6
MW-208VD	March-97	180	5.4	94	385	0.001	190	29	0.5	28	0.22	5.9	0.13	0.5	10
MW-208VD	June-97	140	5.3	110	263	0.001	180	22	0.5	33	0.57	6.9	0.13	0.81	8.9
MW-208VD	Sept-97	140	5.5	99	260	0.001	160	28	1.6	30	0.28	6.1	0.13	0.5	10
MW-208VD	Dec-97	120	4.6	100	299	0.001	180	38	0.5	31	0.44	6.1	0.15	0.5	10
MW-208VD	Mar-98	140	5.6	120	325	0.001	180	36	0.5	35	0.3	7	0.15	0.5	11
MW-208VD	June-98	110	5.8	110	261	0.001	160	26	1.4	32	0.31	6.7	0.14	0.5	10
MW-208VD	Sept-98	120	6	110	267	0.001	210	26	1.2	33	0.32	7.4	0.15	0.92	9.7
MW-208VD	Dec-98	110	7	110	296	0.001	150	23	0.5	34	1.1	5.7	0.15	0.5	8.4
Mean	= AVERAGE	131	9	103	266	0.004	178	25	3	27	1	8	0.12	1.06	17
Standard Deviation	= STDEVP	28	54	38	90	0.005	107	19	4	9	1	4	0.08	0.69	26
Count	= COUNT	116	116	115	112	115	115	114	113	107	112	108	112	107	108
Confidence Interval	= CONFIDENCE (99%)	7	13	9	22	0.001	26	5	1	2	0.4	1	0.02	0.17	6
Lower Limit	MEAN-CONFIDENCE	124	4	94	249	0.003	152	20	2	24	0.6	7	0.10	0.88	11
Upper Limit	MEAN+CONFIDENCE	137	22	113	268	0.008	204	30	4	29	1.5	9	0.14	1.23	24

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

TABLE 9 - DEEP GROUNDWATER DATA COMPARISON WITH UPPER CONFIDENCE INTERVAL

Parameter	Units	Upper Confidence Level for the Average ⁽¹⁾	MW 207D	MW 221D	MW 223D	MW 230D	MW 303 D	MW 304 D	MW 234D	MW 245D
Alkalinity	mg/l CaCO ₃	137	314	148	108	135	286	380	168	350
Chloride	mg/l	22	17	62	8	2	135	45	36	24
Hardness	mg/l CaCO ₃	113	397	193	141	93	189	383	266	323
Conductance, field	umhos/cm	288	666	377	366	244	1530	724	540	813
Total Phenols	mg/l	0.006	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
TDS	mg/l	204	517	290	161	162	618	474	358	520
Sulfate	mg/l	30	93.8	29.5	49	13.4	95.1	31.6	77.2	93.2
TOC	mg/l	4	2.2	2.9	1.7	<1	1.4	2.6	1.1	1.8
Calcium, total	ug/l	29	116	46	46	27	43	110	80	86
Iron, total	ug/l	1.5	6.7	1.2	0.21	0.50	8.1	6.5	0.64	0.67
Magnesium, total	ug/l	9	26	19	6	6.1	20	26	16	26
Manganese, total	ug/l	0.14	2	<0.02	0.55	0.13	0.03	0.78	0.49	0.33
Potassium, total	ug/l	1.23	1.9	4.2	2.1	0.82	5.6	3.4	5.2	3
Sodium, total	ug/l	24	9.6	15	15	21	160	25	19	49

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

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

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

Sample Location	Sample Date	ALK (mg/l)	NH3 (mg/l)	Cl- (mg/l)	Hard (mg/l)	NO3- (mg/l)	Phenols (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
SW-3	Nov-91	126	0.13	46	191	0.4	0.005	60.2	0.5	51.8	2.7	13.1	0.167	2.75	21.3
SW-3	Feb-92	84	0.18	31.7	113	0.27	0.005	41.6	6	31.1	4.63	8.63	0.135	1.83	12.9
SW-3	May-92	122	0.06	50	134	0.88	0.005	12.6	0.5	36.70	0.59	10.30	0.08	1.06	15.0
SW-3	Aug-92	122	0.02	42	150	1.08	0.005	45.6	0.5	41.6	0.591	11.2	0.069	2.78	14
SW-3	Dec-92	122	0.2	31.5	117	0.01	0.005	64.4	0.5	32.1	0.345	9.05	0.050	1.69	17.2
SW-3	Feb-93	120	0.08	46.5	115	1.18	0.005	32.5	12	30.2	0.299	9.50	0.072	1.36	22.3
SW-3	Jun-93	134	0.01	39.0	156	1.2	0.005	74.4	5	42	0.841	12.4	0.075	1.9	21.2
SW-3	Sep-93	168	0.01	56.0	169	0.93	0.005	75.2	2.0	44.2	1.61	23.6	0.097	2.68	30.0
SW-3	Dec-93	60.0	0.01	25.0	114	1.6	0.005	46.0	13.0	30.2	0.909	9.3	0.080	1.64	12.1
SW-3	Mar-94	68.0	0.01	41.0	111	0.81	0.005	59.6	9.0	29.6	0.453	8.9	0.049	1.59	19.5
SW-3	Jun-94	140	0.01	39.0	161	0.70	0.005	25.3	0.5	42.4	0.36	13.4	0.066	1.29	20.1
SW-3	Aug-94	60	0.01	24.5	89.2	0.87	0.005	58.5	9	25.6	0.95	6.15	0.01	2.22	9.86
SW-3	Nov-94	71	0.16	30	82.4	0.92	0.013	43.6	10	20.5	1.02	7.6	0.13	2.82	13.5
SW-3	March-95	112	0.07	35	147	0.76	0.005	22.3	5	29	0.37	11	0.051	1.12	16
SW-3	June-95	121	0.11	45	166	1.17	0.005	29.9	2	40.8	0.55	15.5	0.11	2.06	20.6
SW-3	Sept-95	126	0.16	58	173	1.26	0.005	41	12	38.4	0.88	18.8	0.088	3.92	26.7
SW-3	Dec-95	96	0.06	34	120	1.12	0.005	46	0.5	29.8	0.36	11	0.061	1.64	20.7
SW-3	April-96	100	0.015	39	180	0.18	0.001	28	6.1	34	0.33	11	0.041	1.7	20
SW-3	June-96	130	0.015	35	170	0.71	0.001	38	6.8	42	1.1	13	0.12	2	22
SW-3	Sept-96	96	0.015	22	120	0.64	0.0053	29	11	34	1.1	9.4	0.08	1.8	15
SW-3	Nov-96	100	0.015	29	110	0.88	0.001	22	6.1	30	0.43	9.5	0.05	1.4	14
SW-3	March-97	92	0.015	40	82	0.71	0.001	24	4.9	24	0.41	5.3	0.09	1.1	12
SW-3	Sept-97	170	0.015	41	140	0.63	0.002	29	8.5	36	1.2	11	0.086	2	21
SW-3	Dec-97	200	0.015	29	86	0.23	0.002	47	11	25	0.27	5.6	0.049	1.5	17
SW-3	Mar-98	56	0.015	32	90	0.36	0.002	33	6.9	20	0.59	4.8	0.04	1.3	17
SW-3	June-98	53	0.015	14	65	1.1	0.001	12	9.5	18	3.2	4.9	0.12	2.4	8.3
SW-3	Sept-98	200	0.015	61	220	0.78	0.001	39	5	55	2	21	0.12	4.3	29
SW-3	Dec-98	150	0.015	76	190	0.91	0.001	26	5.5	51	1.2	14	0.11	0.5	23
SW-3	Dec-00	45.8	0.05	30.6	95.2	1.54	0.0066	34	8.9	27.9	0.921	6.2	0.113	2.25	14.9
SW-3	March-01	72.8	0.05	39.7	101	1.12	0.002	33	5	26.8	0.696	8.27	0.044	1.41	18.4
SW-3	June-01	72.3	0.05	40.3	100	0.479	0.002	20.1	20	29.2	1.53	6.63	0.163	1.75	19
SW-3	Sept-01	171	0.05	73.8	237	0.67	0.002	44.6	5.3	60	0.97	21.2	0.135	3.4	38
SW-3	Dec-01	143	0.05	63.8	200	0.95	0.0232	35	4.2	51.4	0.878	17.3	0.122	3.11	32.1
SW-3	Mar-02	92.3	0.05	77.9	156	0.724	0.002	55.8	6.4	44	0.544	11.2	0.099	1.75	30.2
SW-3	June-02	113	0.05	49.3	144	0.784	0.002	29.3	7.9	38.9	0.736	11.5	0.099	1.78	24.6
SW-3	Sept-02	155	0.189	78.5	232	1.34	0.002	66.6	5.6	61.5	1.34	19.1	0.148	4.32	36.6
SW-3	Dec-02	50.9	0.05	38.9	123	0.64	0.002	54	9	33.8	0.386	9.46	0.065	4.38	19
SW-3	Apr-04	96.4	0.05	48	118	0.5	0.002	17.4	6.4	31.9	1.19	9.2	0.118	2.11	22
SW-3	Sept-05	188	0.5	81	257	1.01	0.005	38.5	5.9	64	0.248	23.7	0.211	5.45	39.8
SW-3	Dec-07	85	0.03	75	150	1.1	0.003	10	6.3	41	0.36	12	0.078	2.5	40
SW-3	Aug-09	136	0.1	55	154	0.6	<0.01	5.19	9.3	40	0.85	13	0.12	2	29

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

Sample Location	Sample Date	ALK (mg/l)	NH3 (mg/l)	Cl- (mg/l)	Hard (mg/l)	NO3- (mg/l)	Phenols (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
SW-13	Apr-99	93	0.015	43	120	0.58	0.001	23	5.2	31	0.59	10	0.06	1.5	17
SW-13	June-99	150	0.015	53	260	0.55	0.0026	26	5.8	67	8.2	21	1	3.2	37
SW-13	Sept-99	91	0.015	40	200	1.2	0.001	91	11	56	1.2	14	0.15	2.6	23
SW-13	Dec-99	120	0.092	35	190	3.1	0.001	97	10	57	1.3	12	0.2	3.1	16
SW-13	Apr-00	64.9	0.117	30.8	98.4	1.82	0.002	30	7	27.2	1.26	7.4	0.058	1.75	15.3
SW-13	June-00	116	0.05	36.1	140	0.753	0.002	20	10	37.3	0.86	11.4	0.098	1.65	19.4
SW-13	Sept-00	147	0.05	42.5	172	1.17	0.002	28	12	45.4	0.557	14.3	0.095	2.51	21.8
SW-13	Dec-00	52.6	0.05	30.2	96.7	1.67	0.002	36	9	28.1	1.09	6.44	0.111	2.18	14.9
SW-13	March-01	75	0.05	40.2	111	1.2	0.002	30	5	29.2	1.63	9.2	0.123	1.22	18.4
SW-13	June-01	93.7	0.05	43.1	127	1.03	0.0045	21.5	16	34.4	1.36	10.1	0.103	2.36	20
SW-13	Sept-01	175	0.05	71.3	235	0.678	0.002	50.5	5.5	59.4	1.05	21	0.134	3.43	37.6
SW-13	Dec-01	144	0.05	64.4	201	0.96	0.002	36	4.5	52.2	0.889	17.1	0.123	2.98	30.9
SW-13	Mar-02	72.7	0.05	77.5	142	0.729	0.002	55.7	6.1	40	0.561	10.2	0.09	1.6	27.1
SW-13	June-02	106	0.05	50.1	146	0.83	0.002	27.4	8	39.3	0.732	11.7	0.094	1.71	24.8
SW-13	Sept-02	159	0.05	76.5	234	1.38	0.002	66.7	5.7	62	0.793	19.2	0.138	4.18	37
SW-13	Dec-02	53.4	0.05	40.1	123	0.68	0.002	52.7	10	34.9	0.292	8.76	0.048	1.86	18.5
SW-13	Apr-04	102	0.05	49.3	122	0.53	0.002	18.3	6.1	32.9	0.991	9.7	0.092	2.02	22.3
SW-13	Sept-05	187	0.5	82	245	1.15	0.005	38.8	5.75	60.7	0.36	22.7	0.216	5.22	37.9
SW-13	Sept-06	89	0.5	23	140	0.35	0.01	48	18	43	1.3	9.4	0.29	5	16
SW-13	Dec-07	85	0.097	78	150	0.98	0.003	11	6.3	40	0.37	11	0.076	2.5	41
SW-13	Aug-09	158	0.07	34	172	0.4	<0.010	38.1	12	51	0.8	11	0.11	1.4	19
Mean	= AVERAGE	112	0.08	47	149	0.89	0.004	39	7	39	1	12	0.116	2	22
Standard Deviation	= STDEVP	40	0.11	17	48	0.46	0.003	19	4	12	1	5	0.123	1	8
Count	= COUNT	62	62	62	62	62	59	62	62	62	62	62	62	62	62
Confidence Interv. = CONFIDENCE (99%)		13	0.03	6	16	0.15	0.001	6	1	4	0.38	2	0.04	0.35	3
Lower Limit	MEAN-CONFIDENCE	99	0.04	41	134	0.74	0.002	32	6	35	0.69	10	0.076	1.98	20
Upper Limit	MEAN+CONFIDENCE	125	0.11	52	165	1.05	0.005	45	9	43	1.45	13.60	0.157	2.68	25
SW-5	Aug-09	137	0.07	55	159	0.62	<0.010	5.49	9.2	42	0.79	13	0.11	1.9	20
SW-8	Aug-09	136	0.07	53	159	0.6	<0.010	5.49	9.2	42	0.86	13	0.11	1.9	28

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

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field)	Phenols (mg/l)	Eh (mV)	SO ₄ = (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ -N (mg/l)	BOD ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
PZ-01	Sep-87	12	170	1.5	18.2	590	370	2.9	7.6	<0.005	<0.005	165	165	185	441	0.18	0.37	2	<5	<0.01	<0.01	0.35	<2
PZ-01	May-88	18	190		17.4	504	240	2	7.25	0.005	0.005	134	134	37	477	0.12		11	<5			0.7	
PZ-01	Aug-88	13.5	162		18	608	270	6.2	7.97	<0.005	<0.005	176	176	25	214	0.43		42	<5			0.37	
PZ-01	Nov-88	11	169		18.4	569	308	3.5	7.06	<0.005	<0.005	165	165	12	302	0.16		16	<5			0.2	
PZ-01	Feb-89	9	164	10	21	754	314	1.5	7.32	<0.005	<0.005	151.5	174	18	404	0.04	<10	6	<5	<0.01	<0.01		
PZ-01-A	Feb-89	10.5	171		22	650	329	3.67	7.78	<0.005	<0.005	209	209	295	474	0.15	0.1	2	10	<0.005	<0.01	0.27	
PZ-01-A	Apr-90	11.3	184	<10	37.8	551	352	8.41	7.17	<0.005	<0.005	164	164	4.2	486	0.04	<0.1	25	5	<0.004	0.009	<0.5	
PZ-1A	Nov-90	11	194	10	20.5	540	360	7.6	7.6	7.04	7.8	175	175	22	572	0.05	<0.04	3.7	<5				
PZ-1A	Feb-91	11	184	<0.5	22.8	760	360	<3	7.5	<0.010	<0.010	186	186	18	512	0.05	<0.04						
PZ-1A	May-91	11	176	6.4	19.1	550	352	<3.0	7.7	<0.010	<0.010	192	192	11	521	0.1	0.21						
PZ-1A	Aug-91	13	178	3.7	21.9	830	340	<3.0	7.6	<0.010	<0.010	256.4	148	50	603	0.12	0.06						
PZ-1A	Nov-91	12	176	4.5	19	771	316	4	7.58	<0.010	<0.010	153	153	6.7	540	0.12	0.12	1.6	<5	<0.010	<0.004	<0.5	
PZ-1A	Feb-92	10	152	5.3	20.8	795	348	<1.0	7.42	<0.010	<0.010	289.9	177	27	504	0.23	0.31	2.6	15	0.016	<0.004	0.05	
PZ-1A	May-92	12	186	<1.0	24	741	320	<1.0		7.2	<0.010	127.1	195	25	512	0.1	<0.02						
PZ-1A	Aug-92	12	198	2	21.5	726	298	10		7.06	<0.010	139	196	40	504	0.08	<0.02						
PZ-1A	Dec-92	11	192	<1.0	15.5	811	308	<1.0	7.46	7.59	<0.010	138	207	41	521	0.05	0.15	0.4	<4	<0.004	<0.004	<0.5	
PZ-1A	Feb-93	10	178	11.4	16.5	472	323	7		7.19	<0.010	203.5	217	16	540	0.07	0.13						
PZ-1A	Aug-93	15	180	18.5	17	581	358	<1.0		7.19	<0.010	131.3	208	13	521	<0.02	0.03						
PZ-1A	Dec-93	10.5	188	<1.0	16	787	328	14	7.06	<0.010	<0.010	126.3	214	58	460	<0.02	0.09	<2.0		<0.004	0.01	<0.5	0.87
PZ-1A	Feb-94	10.5	188	<1.0	16	787	328	14	7.06	<0.010	<0.010	126.3	214	58	460	<0.02	0.09	<2.0		<0.004	0.01	<0.5	0.87
PZ-1A	May-94	13	184	<5.0	14.5	594	331	5	7.56	<0.010	<0.010	84.1	216	21	473	0.05	0.04	<2.0		<0.004	0.01	<0.5	0.87
PZ-1A	Aug-94	13	184	<5.0	16	720	445	5	7.14	<0.010	<0.010	116.8	230	28	364	0.14	0.51	<2.0		<0.004	0.01	<0.5	0.87
PZ-1A	Nov-94	11.5	190	<5.0	16	383	246	25	7.72	<0.010	<0.010	130.4	209	5.4	333	0.3	0.14	<2.0		<0.004	0.01	<0.5	0.87
PZ-1A	March-95	10.5	182	<5.0	16	494	328	37	7.17	<0.010	<0.010	117	224	21	317	0.3	0.14	<2.0		<0.004	0.01	<0.5	0.87
PZ-1A	June-95	12.5	182	9.3	16	478	313	1	7.2	<0.010	<0.010	25.7	179	24	340	0.15	<0.05	<2		<0.004	0.01	<0.5	0.87
PZ-1A	Sept-95	12	181	16.7	17	420	313	24	7.41	<0.010	<0.010	70.2	207	27	340	0.05	<0.05	<2		<0.004	0.01	<0.5	0.87
PZ-1A	Nov-95	9	180	20.4	16	435	288	<1	7.52	<0.010	<0.010	1	197	28	340	0.05	<0.05	<2		<0.004	0.01	<0.5	0.87
PZ-1A	April-96	9.8	200	14	8.6	750	420	1.1	7.9	<0.002	<0.002	625	180	66	554	<0.03	0.03	<4		<0.004	0.01	<0.5	0.87
PZ-1A	June-96	11.6	210	30	11	720	390	<1	7.5	<0.002	<0.002	157	340	58	564	0.033	0.022	<4		<0.004	0.01	<0.5	0.87
PZ-1A	Sept-96	12.7	170	1	10	700	330	1.6	7.58	0.0067	0.0067	195	195	21	260	<0.03	0.047	<4		<0.004	0.01	<0.5	0.87
PZ-1A	Nov-96	12	180	13	15	659	290	11	7.5	<0.002	<0.002	160	180	125	500	<0.03	0.086	<4		<0.004	0.01	<0.5	0.87
PZ-1A	March-97	11.7	180	6.4	15	718	310	1	7.59	0.004	0.004	180	190	<1	350	<0.03	0.08	<4		<0.004	0.01	<0.5	0.87
PZ-1A	June-97	11.2	210	<2	16	681	350	1.8	7.9	<0.002	<0.002	180	170	20	397	<0.03	0.2	10		<0.004	0.01	<0.5	0.87
PZ-1A	Sept-97	12.2	260	<1	16	690	330	1.2	7.95	<0.002	<0.002	140	200	41	420	<0.03	0.19	<4		<0.004	0.01	<0.5	0.87
PZ-1A	Dec-97	11.2	190	14	14	774	330	1.3	8.37	<0.002	<0.002	355	200	352	520	<0.03	0.13	<4		<0.004	0.01	<0.5	0.87
PZ-1A	Mar-98	10.5	300	<1	15	750	330	1.3	7.85	<0.002	<0.002	45	200	83	500	0.065	0.061	<4		<0.004	0.01	<0.5	0.87
PZ-1A	June-98	12.3	220	<3	14	757	330	1.2															
PZ-1A	Sept-98	Location Not Sampled																					
PZ-1A	Dec-98	11.4	210	5.9	23	734	530	1.3	7.6	<0.002	<0.002	3.2	170	57	310	<0.03	0.15	9.5		<0.01	<0.01	0.6	<1
PZ-1A	Apr-99	11.4	190	9.5	18	774	370	<1	7.84	<0.002	<0.002	195	190	93	340	<0.03	0.12	<4		<0.01	<0.01	0.73	<1
PZ-1A	June-99	11.5	190	56	17	770	450	1.3	7.3	<0.002	<0.002	235	180	203	300	0.13	0.082	<4		<0.01	<0.01	0.72	<1
PZ-1A	Sept-99	13.9	200	3.9	18	776	400	1.4	7.45	<0.002	<0.002	180	180	164	300	<0.03	0.13	<4		<0.01	<0.01	0.36	0.19
PZ-1A	Dec-99	11	200	9.9	18	782	390	<1	8.35	<0.002	<0.002	135	180	155	320	0.032	0.021	<4		<0.01	<0.01	0.36	0.13
PZ-1A	Apr-00	9	205	12.5	18.8	750	371	<1	7.71	<0.002	<0.002	140	160	15	318	0.126	0.087	<3		<0.01	<0.01	<1	<1
PZ-1A	June-00	13.3	200	<10	18.4	590	356	<1	7.76	<0.004	<0.004	196	160	3.89	391	<0.1	<0.05	<3		<0.01	<0.01	<1	<1
PZ-1A	Sept-00	12.1	199	<10	18.8	774	386	<1	7.81	<0.004	<0.004	90	170	5.81	478	<0.1	<0.05	<3		<0.01	<0.01	1.41	<1
PZ-1A	Dec-00	10.1	203	<10	17.9	762	376	<1	7.58	<0.004	<0.004	90	170	5.81	478	<0.1	<0.05	<3		<0.01	<0.01	1.67	<1
PZ-1A	Mar-01	11.5	204	U	19	779	374	1.1	7.62	<0.004	<0.004	21	190	7.1	373	<0.1	0.055	<3		<0.01	<0.01	1.07	<1
PZ-1A	June-01	12.6	227	<10	20.1	780	370	<1	7.71	<0.004	<0.004	21	215	3.3	327	<0.1	<0.05	<3		<0.01	<0.01	<1	<1
PZ-1A	Sept-01	11.7	267	<10	18.2	777	381	<1	7.83	<0.004	<0.004	68	202	0.33	327	0.102	<0.1	<3		<0.01	<0.01	<1	<1
PZ-1A	Dec-01	10.8	195	<10	18.4	774	367	<1	7.48	<0.004	<0.004	85	192	5.99	313	<0.1	<0.1	<3		<0.01	<0.01	1.38	<1
PZ-1A	Mar-02	10.8	198	<10	18.7	743	372	<1	7.69	<0.004	<0.004	16	205	1	318	<0.1	<0.1	<3		<0.01	<0.01	<1	<1
PZ-1A	June-02	12.2	209	<10	18.8	745	371	<1	7.6	<0.004	<0.004	49	190	2.1	318	<0.1	<0.1	<3		<0.01	<0.01	1.2	<1
PZ-1A	Sept-02	12.4	206	<10	19.7	753	380	<1	7.83	<0.004	<0.004	100.5	191	2.1	343	<0.1	<0.1	<3		<0.01	<0.01	1.21	<1
PZ-1A	Dec-02	8	204	<10	19.3	756	373	<1	7.8	<0.004	<0.004	4.5	191	5.8	489	<0.1	<0.1	<3		<0.01	<0.01	1.21	<1
PZ-1A	Apr-04	11.2	194	<10	21	756	367	<1	7.92	<0.004	<0.004	269	183	4.4	313	0.102	<0.1	<3		<0.01	<0.01	<1	<1
PZ-1A	June-04	16.6	44.3	<10	<5.0	509	98	4.92	7.53	<0.010	<0.010	1.06	21	50	216	1.4	10.9	<4.00		<0.005	<0.01	<1.00	<1
PZ-1A	Oct-06	14.1	180	<10	25	125	360	<1.0	7.5	<0.010	<0.010	740	170	4.2	510	<1.0	<0.25	<4.0		<0.005	<0.01	<1.00	<1
PZ-1A	Dec-07	9.4	210																				

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)	SO ₄ = (mg/l)	Turb (NTU)	TDS (mg/l)	NE3 (mg/l)	NO ₃ - (mg/l)	ROPS (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
PZ-04	Jan-87	13	380	5	9.98	1225	740	2.7	7.21	6.54	0.007		400	210	995	0.25	0.17	9	<5	<0.01	<0.01	0.32	
PZ-04	May-88	15	300		12.2	853	690	2.6	7.34	6.03			770	35	941	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	0.024			419	26	505	0.25		38	<5			0.57	
PZ-04	Feb-89	9	337	16.7		929.5	708	3.05	7.68		<0.005	101	438	18	434	0.24	<1	3	<5		<0.01	0.58	
PZ-04	Apr-89	13.5	256			929.5	614	2.96	7.36		<0.005	13	432	18	426	0.1		18	<5			0.5	
PZ-04	Jun-89	14	289		7.1	944.5	631	8.12	7.49	0.008			437	44	1120	0.18		39	<5			0.5	
PZ-04	Feb-90	10	327	10	8.5	832	729	1.62	6.98		<0.005	-1.15	440	151	902	0.1	<0.1	3	<5	<0.005	<0.01	0.65	
PZ-04	Nov-90	11.3	216		8.3	957	570	13	7.4	6.91	<0.005	30	78.6	15	955	0.25		69	<5	<0.004	0.017	<0.5	
PZ-04	Nov-90	10	357	21	7.8	840	740	14	7.4		<0.005	43.3	346	130	959	0.11	<0.1	4.4	<5				
PZ-04	Feb-91	13	336	<1.0	11.9	1100	730	15.5	7.2	7.46	<0.010	65.3	395	200	959	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	515	0.21	0.08						
PZ-04	Aug-91	14	320	13	43.1	1385	640	4.7	7.2	6.98	<0.010	179.3	568	350	1014	0.18	<0.04						
PZ-04	Nov-91	12	340	5.6	7	1282	615	2	6.75	7.21	<0.010	212.3	355	38	1136	0.24	0.04	0.6	<5	<0.010	<0.004	<0.5	
PZ-04	Feb-92	11	338	4.9	8.9	1261	706	3		7.06	<0.010	235.4	354	63	908	0.27	<0.02						
PZ-04	May-92	12	322	8.6	10	1146	639	<1.0		6.83	<0.010	148.9	380	81	903	0.12	<0.02						
PZ-04	Aug-92	12	322	16	11	1078	573	<1.0		6.65	<0.010	104.7	380	65	996	0.25	0.11						
PZ-04	Feb-93	9.5	342	3	7	1261	558	38	7.07	7.22	<0.010	168.8	382	168	908	0.16	<0.02						
PZ-04	Aug-93	14.5	342	10.7	7	565	585	<1.0		7.01	<0.010	80	355	83	903	0.07	<0.02	0.2	<5	<0.004	<0.004	<0.5	
PZ-04	Dec-93	12.5	344	7.8	10	1051	642	6		6.94	<0.010	152.6	376	83	903	0.07	<0.02						
PZ-04	Aug-93	14.5	344	7.8	10	1051	642	6		6.94	<0.010	152.6	376	83	903	0.07	<0.02						
PZ-04	Dec-93	12.5	344	7.8	10	1051	642	6		6.94	<0.010	152.6	376	83	903	0.07	<0.02						
PZ-04	Mar-94	11	343	<1.0	10	1220	625	38		7.07	<0.010	161.6	376	63	903	0.09	<0.05	<2.0				<0.5	0.8
PZ-04	Jun-94	13.5	324	8.9	8.5	843	598	<1		6.93	<0.010	262.7	335	68	888	0.25	0.4	<2.0				<0.5	0.92
PZ-04	Aug-94	13.5	344	8.9	10.5	1082	638	<1		6.79	<0.010	130.6	335	71	888	0.21	0.31	<2.0				<0.5	1.84
PZ-04	Nov-94	11.5	400	<5.0	12	809	502	15		7.26	<0.010	127.8	353	71	896	0.24	0.26	<2				<0.5	2.28
PZ-04	March-95	10.5	343	5	12	595	607	17		7.08	<0.010	130.6	353	65	892	0.54	<0.05	<2				<0.5	0.5
PZ-04	June-95	12.5	335	<5.0	13	584	580	<1		7.05	<0.010	19.6	307	42	944	0.31	0.14	<2				<0.5	0.5
PZ-04	Sept-95	9.4	340	<5.0	11	506	591	6		7.11	<0.010	-2.7	337	61	888	0.04	0.07	<2				<0.5	<0.2
PZ-04	Nov-95	9.5	340	<5.0	11	456	596	<1		7.36	<0.010	15.5	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	April-96	9.4	300	32	9.5	1230	810	3.6		7.7	<0.002	190	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	June-96	12.3	320	280	<5	1120	390	<1		7.9	<0.002	290	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Sept-96	12.2	350	30	6	1200	610	3.7		7.4	<0.002	126	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Nov-96	10.7	360	<1	10	1180	450	1.4		7.43	<0.002	145	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	March-97	10.3	270	26	12	1200	610	<1		7.2	<0.002	125	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	June-97	11.6	1100	15	12	1110	690	1		7.31	<0.002	215	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Sept-97	12.8	410	30	16	1100	630	1.2		7.4	<0.002	160	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Dec-97	10.9	710	11	12	1170	590	1.5		7.46	<0.002	85	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Mar-98	10.3	440	19	15	1110	2600	1.7		7.28	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	June-98	13	410	9.9	16	1070	900	1.3		7.32	<0.002	20	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Sept-98	13.1	410	9.9	16	1070	900	1.3		7.32	<0.002	20	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Dec-98	10.9	380	6.4	19	1030	900	1.4		7.08	<0.002	40	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Apr-99	11.9	340	35	13	1060	2000	1.5		7.4	<0.002	180	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	June-99	12	350	6.6	12	1070	2000	1.2		7.05	<0.002	155	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Sept-99	12.7	370	6	20	1110	600	1.3		7.27	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Dec-99	10.7	370	27	20	1160	660	<1		7.46	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Apr-00	9.1	336	<10	16.6	1040	579	1.2		7.46	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Jun-00	13.8	348	<10	21.6	850	618	1		7.31	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Sept-00	12.7	374	<10	34.1	1145	647	1.4		7.31	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Dec-00	10.2	198	<10	20.8	1077	325	3.3		7.28	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Mar-01	13.4	396	U	32.2	1145	1010	1.5		7.28	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	June-01	13.4	389	<10	33.1	1145	1010	1.5		7.28	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Sept-01	13.5	393	<10	34.1	1127	936	1.1		7.41	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Dec-01	13.2	393	<10	34.1	1127	936	1.1		7.41	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Mar-02	13.2	393	<10	34.1	1127	936	1.1		7.41	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	June-02	13.2	393	<10	34.1	1127	936	1.1		7.41	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Sept-02	13.7	394	<10	34.1	1127	936	1.1		7.41	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Dec-02	10	397	<10	34.1	1127	936	1.1		7.41	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	Apr-04	12.4	397	19	34.9	1169	671	1.3		7.47	<0.002	240	330	>900	740	0.11	0.056	4				0.72	1.3
PZ-04	June-05	17.4	249	17.5	<5.0	648	249	3.3		7.6	<0.010	560	190	788	760	0.11	0.056	4				0.72	1.3
PZ-04	Oct-06	16.5	240	17	29	38	710	1.8		7.19	<0.010	560	190	788	760	0.11	0.056	4				0.72	1.3
PZ-04	Aug-09	19.1	502	20	32	970	636	1.3		7.25	<0.010	329	160	3.8	844	0.22	<0.05	<4				0.57	<0.1

Monitoring Sample	Temp	ALK	COD	Cl ⁻	Cond	Hard	TOC	pH	pH (field)	Phenols	Eh	SOD=	Turb	TDS	NH3	NO3-	BOD5	Color	CN-	Cr+6	TKN	Bromide
Site	Date	(mg/l)	(mg/l)	(mg/l)	(umhos/cm)	(mg/l)	(mg/l)	(S.U.)	(S.U.)	(mg/l)	(mV)	(mg/l)	(NTU)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(units)	(mg/l)	(mg/l)	(mg/l)	
Standard and Guidelines Values																						
PZ-11	May-87	390	5	14.1	900	550	18.5	7.11	7.11	0.008	220	220	15	653	0.1	<.1	2	<5	<0.01	<0.01	0.24	<.1
PZ-11	May-88	14	265	14.8	554	380	7.6	7.04	7.04	0.008	127	127	350	495	0.16	<.1	25	<5	<0.01	<0.01	0.5	<.1
PZ-11	Aug-88	13	335	17.7	782	422	<0.1	7.12	7.12	<0.005	156	156	340	262	0.2	<.1	66	<5	<0.01	<0.01	2.9	<.1
PZ-11	Nov-88	8	295	20.8	629	450	5.14	7.22	7.22	<0.005	206	206	10	352	0.13	<.1	27	<5	<0.01	<0.01	0.71	<.1
PZ-11	Feb-89	9	258	25	545	453	5.15	6.85	6.85	<0.005	-19	-19	144	265	0.13	<.1	6	<5	<0.01	<0.01	1.54	<.1
PZ-11	Apr-89	133	200	19.8	513	358	9.92	7.5	7.5	<0.005	-472.5	-472.5	153	200	0.09	<.1	25	<5	<0.01	<0.01	0.4	<.1
PZ-11	Jan-89	12	210	20	569	362	9.14	7.45	7.45	<0.005	214	214	120	433	0.09	<.1	42	<5	<0.01	<0.01	0.45	<.1
PZ-11	Nov-89	13.5	264	19.8	552	435	7.25	7.34	7.34	<0.005	142	142	58	543	0.12	<.1	21	<5	<0.01	<0.01	0.42	<.1
PZ-11	Feb-90	19.8	249	20.7	715	411	15.1	7.32	7.32	<0.005	21.65	21.65	98	507	0.18	<.1	15	<5	<0.01	<0.01	0.67	<.1
PZ-11	Nov-90	12.05	226	15.9	562	360	4.15	7.02	7.02	<0.005	-23.6	-23.6	52	317	0.06	<.1	5	<5	<0.01	<0.01	0.5	<.1
PZ-11	Nov-90	12	347	17.9	770	480	24	7.3	7.3	<0.005	9.8	9.8	173	19	845	<.1	2.9	<5	<0.01	<0.01	0.5	<.1
PZ-11	Feb-91	10	252	25.2	619	810	46	6.9	6.9	<0.005	142.3	142.3	165	180	0.22	<.1	0.04	<5	<0.01	<0.01	0.5	<.1
PZ-11	May-91	11	264	16.6	510	350	9.3	6.9	6.9	<0.005	203.2	203.2	103	815	0.14	<.1	0.12	<5	<0.01	<0.01	0.5	<.1
PZ-11	Aug-91	13	196	32.2	635	300	12.8	7.4	7.4	<0.005	96.3	96.3	124	570	0.23	<.1	0.43	<5	<0.01	<0.01	0.5	<.1
PZ-11	Nov-91	11	276	14.7	796	364	4	7.29	7.29	<0.005	126.6	126.6	85	160	0.35	<.1	0.06	<5	<0.01	<0.01	0.5	<.1
PZ-11	Feb-92	11	242	14.7	766	343	2	7.08	7.08	<0.005	100.5	100.5	137	52	0.21	<.1	0.02	<5	<0.01	<0.01	0.5	<.1
PZ-11	May-92	12	173	15	642	306	<1.0	<1.0	<1.0	<0.005	203.1	203.1	14.3	64	0.08	<.1	0.02	<5	<0.01	<0.01	0.5	<.1
PZ-11	Aug-92	10	294	8.9	430	316	<1.0	<1.0	<1.0	<0.005	263.2	263.2	114	32.5	0.08	<.1	0.02	<5	<0.01	<0.01	0.5	<.1
PZ-11	Dec-92	12	232	16.7	702	247	24	7.25	7.25	<0.005	120.6	120.6	101	120	0.11	<.1	0.02	<5	<0.01	<0.01	0.5	<.1
PZ-11	Feb-93	10	256	<1.0	452	330	4	7.21	7.21	<0.005	175.7	175.7	94.4	30	0.11	<.1	0.02	<5	<0.01	<0.01	0.5	<.1
PZ-11	May-93	11.5	238	18	653	463	<1.0	6.81	6.81	<0.005	35.2	35.2	105	19.5	0.06	<.1	0.02	<5	<0.01	<0.01	0.5	<.1
PZ-11	Aug-93	14	340	22.4	18	653	463	8	7.08	<0.005	158.6	158.6	167	25	0.13	<.1	0.02	<5	<0.01	<0.01	0.5	<.1
PZ-11	Dec-93	9.5	328	15.7	19	809	461	8	7.09	<0.005	109.1	109.1	101	45	0.02	<.1	0.02	<5	<0.01	<0.01	0.5	<.1
PZ-11	Mar-94	10.5	343	19	725	319	28	7.5	7.5	<0.005	83.2	83.2	152	15	0.2	<.1	2	<5	<0.01	<0.01	0.5	<.1
PZ-11	May-94	13.5	352	12	637	390	26	7.15	7.15	<0.005	103.3	103.3	170	10.6	0.15	<.1	2.8	<5	<0.01	<0.01	0.5	<.1
PZ-11	Aug-94	11	343	13.3	921	513	35	6.77	6.77	<0.005	115.5	115.5	166	20	0.06	<.1	2.0	<5	<0.01	<0.01	0.5	<.1
PZ-11	Nov-94	11	286	17	660	343	38	7.14	7.14	<0.005	132.9	132.9	162	7.2	0.18	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	March-95	10.5	295	10	512	436	7	7.01	7.01	<0.005	32.5	32.5	148	14	0.06	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	June-95	12	339	18.6	17	510	437	<1	7.11	<0.005	29.3	29.3	167	20	0.06	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Sept-95	10.5	272	15	425	420	<1	7.29	7.29	<0.005	30.5	30.5	165	17	0.06	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Nov-95	8.5	356	16.3	18	431	<1	7.5	7.5	<0.005	165	165	130	40	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	April-96	10	280	14	758	560	3	8.5	8.5	<0.005	150	150	140	<1	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	June-96	10.8	420	9	1020	530	2.4	7.12	7.12	<0.005	125	125	530	65	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Sept-96	11.3	380	<1	970	360	4.1	7.11	7.11	<0.005	65	65	180	41	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Nov-96	9.9	430	13	1060	480	3	6.94	6.94	<0.005	115	115	130	<1	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	March-97	11.8	480	<1	15	580	3.6	7.2	7.2	<0.005	125	125	32	32	0.06	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	June-97	11.8	480	7	16	900	480	3.4	7.52	<0.005	230	230	56	500	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Sept-97	11.8	480	14	910	390	3.5	7.52	7.52	<0.005	115	115	170	56	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Dec-97	10.6	320	11	14	1000	2.7	7.67	7.67	<0.005	230	230	61	600	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Mar-98	13.1	550	14	1090	560	3.5	7.21	7.21	<0.005	85	85	170	52	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	June-98	12.8	490	18	13	1140	3.2	6.67	6.67	<0.005	85	85	220	71	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Sept-98	10.9	400	15	6.3	940	790	3.3	7.29	<0.005	80	80	97	790	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Dec-98	10.6	450	19	18	1070	580	5.2	8.09	<0.005	30	30	150	91	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Apr-99	11.6	450	10	15	960	600	3.1	7.65	<0.005	100	100	119	921	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	June-99	11.4	300	10	15	960	520	4	8.28	<0.005	165	165	140	71	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Sept-99	12.8	360	12	15	921	600	4	7.36	<0.005	165	165	140	71	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Dec-99	11.2	350	14	18	829	460	2.9	7.36	<0.005	165	165	140	71	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Apr-00	10	355	16.9	975	514	4.1	7.31	7.31	<0.005	84	84	220	1077	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	June-00	11.4	367	<10	23.7	860	619	3.3	7.34	<0.005	-17	-17	190	59	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Sept-00	12.5	311	27.7	23.4	1038	547	3.5	7.34	<0.005	50	50	240	12.6	0.11	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Dec-00	9.7	322	20.3	21.2	997	517	3.8	7.28	<0.005	12	12	49	9.6	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Mar-01	10.8	316	23.9	980	458	4.6	7.13	7.13	<0.005	167	167	18	633	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Jun-01	12.8	366	10.6	27.5	1094	476	3.3	7.16	<0.005	15	15	233	9.43	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Sept-01	12.8	365	<10	24.1	1069	555	3	7.16	<0.005	28	28	147	14.4	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Dec-01	10.7	287	11.2	16.4	964	503	2.7	7.16	<0.005	64	64	17.6	811	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Mar-02	10.4	302	<10	23.4	703	433	3.6	7.16	<0.005	137.3	137.3	45	283	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	June-02	12.9	184	<10	29.6	602	303	4.3	6.77	<0.005	137.3	137.3	12	231	0.03	<.1	2.2	<5	<0.01	<0.01	0.5	<.1
PZ-11	Sept-02	13.4	189	<10	29.5	712	380	3.2	7.42	<0.005	216	216	142	11.2	0.03	<.1	2.2					

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 (N=40) (S.U.)	Phenols (mg/l)	Eh (mV)	SC4= (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	6.21	0.000	24.2	199	105	617	0.11	<0.10	7	<5	<0.005	<0.01	25	<0.5
MW-3B	Feb-90	11.95	299		19	368	313	8.4	6.21	6.98	<0.005	33.25	143	18.7	600	0.17	<0.10	8	<5			0.25	
MW-3B	Apr-90	11.95	418	96	34.2	810	343	20	7.3	7.3	<0.005	81.2	158	8	639	0.04	<0.04	5	10	0.004	0.004	<0.5	
MW-3B	Nov-90	10	240		17.9	990	400	6.6	7.3	7.48	<0.010	11.8	125	25	524	0.11	<0.04	8.4					
MW-3B	Feb-91	10	258	<1.0	13.8	660	326	6.3	7.4	7.11	<0.010	13.9	135	63	488	0.11	0.58						
MW-3B	May-91	12	222	5.1	17.2	865	64	2.2	7.4	7.25	<0.010	27.3	100	38	542	0.07	<0.04						
MW-3B	Aug-91	13	228	6.2	17.2	865	64	2.2	7.4	7.25	<0.010	100.7	100	8.5	516	0.14	<0.04						
MW-3B	Nov-91	13	244	5.6	16	906	331	4	6.64	7.02	<0.010	112.7	151	46	560	0.16	0.17	1	<5	<0.010	<0.004	<0.5	
MW-3B	Feb-92	11	320	26.4	24.8	1120	439	4		7.02	<0.010	198.2	126	33	488	<0.04	<0.02						
MW-3B	May-92	13	250	14.4	22	1069	528	<1.0		6.75	<0.010	181.4	141	10.6	600	0.07	0.17						
MW-3B	Aug-92	12	330	15	36	844	378	<1.0		7.11	<0.010	160	155	48.5	600	0.04	0.17						
MW-3B	Dec-92	9.5	308	4	23	1022	379	<1.0		7.07	<0.010	146.8	164	35	564	0.04	<0.02						
MW-3B	Feb-93	10	300	2.6	26.5	911	336	21	7.07	6.89	<0.010	105.8	136	8.9	520	0.1	<0.02	1.2	<5	0.006	<0.004	<0.5	
MW-3B	Jun-93	12.5	256	<1.0	25	458	335	7		6.98	<0.010	26.5	131	26.5	663	0.08	<0.02						
MW-3B	Aug-93	14.5	368	<1.0	43	759	280	<1.0		7.07	<0.010	137.8	158	16	700	0.07	<0.02	<2.0				<0.5	0.94
MW-3B	Dec-93	10.5	352	2.9	40	902	446	10		7.07	<0.010	280.4	102	2.3	520	0.03	0.02	<2.0				<0.5	0.95
MW-3B	Feb-94	10.5	504	6.7	67	1270	576	61		7.07	<0.010	280.4	102	2.3	520	0.03	0.02	<2.0				<0.5	1.64
MW-3B	Jun-94	14	260	<1.0	26	611	510	<1		6.83	<0.010	126.4	163	19.4	520	0.15	0.15	<2.0				<0.5	1.64
MW-3B	Aug-94	13	368	13.3	34	1075	582	5		7.3	<0.010	126.4	163	19.4	520	0.15	0.15	<2.0				<0.5	1.64
MW-3B	Nov-94	11.5	307	9.5	34	623	2300	16		7.06	<0.010	144.8	122	9.5	611	0.27	0.16	<2.0				<0.5	1.64
MW-3B	March-95	10.5	299	10	42	531	405	36		7.02	<0.010	144.8	122	9.5	611	0.27	0.16	<2.0				<0.5	1.64
MW-3B	June-95	11.5	258	9.3	30	865	336	7		7.02	<0.010	144.8	122	9.5	611	0.27	0.16	<2.0				<0.5	1.64
MW-3B	Sept-95	9	278	12.5	31.4	521	379	6		7.22	<0.010	131.7	122	5.9	500	0.28	<0.05	<2				<0.5	0.8
MW-3B	Nov-95	9	360	16.3	46	470	432	<1		7.22	<0.010	131.7	122	5.9	500	0.28	<0.05	<2				<0.5	0.8
MW-3B	April-96	19	170	26	19	490	280	19		8.3	<0.002	135	53	72	260	<0.03	0.37	<4				<0.5	0.8
MW-3B	June-96	12.3	330	14	30	795	440	1.5		7.7	<0.002	195	92	23	270	<0.03	0.02	<4				1.3	<2
MW-3B	Sept-96	11.2	420	2.8	34	1400	400	4.3		7.4	<0.002	104	200	21	260	<0.03	0.02	<4				0.63	<2
MW-3B	Nov-96	10.7	300	<1	36	739	270	2.4		7.26	<0.002	20	110	38	530	<0.03	0.036	<4				0.29	<2
MW-3B	March-97	10.5	330	15	36	920	320	2.8		7.17	0.0029	215	98	<1	530	<0.03	0.02	<4				0.95	<2
MW-3B	June-97	13	380	15	43	970	360	2.5		7.2	0.0029	215	98	<1	530	<0.03	0.02	<4				0.95	<2
MW-3B	Sept-97	12.8	280	1	38	730	340	2.4		7.2	0.0029	215	98	<1	530	<0.03	0.02	<4				0.95	<2
MW-3B	Dec-97	10.5	600	<1	49	960	360	2.7		7.8	<0.002	40	120	40	570	0.11	<0.02	<4				0.27	<2
MW-3B	Mar-98	10.8	490	2.2	74	1290	430	3.5		7.68	<0.002	200	130	45	600	<0.03	<0.02	<4				0.3	<2
Sample Location Inaccessible																							
MW-3B	June-98	Location Not Sampled																					
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	600	<0.03	<0.02	<4				0.88	0.55
Location Not Sampled																							
MW-3B	June-99	Location Not Sampled																					
MW-3B	Dec-99	Location Not Sampled																					
MW-3B	Apr-00	11.2	400	13	77	1070	520	3.6		7.82	<0.002	255	85	60	500	<0.03	<0.02	<4				0.81	0.55
MW-3B	Jun-00	10.4	385	<10	72	1075	346	4.2		7.3	0.000	150	87	9.8	617	0.152	0.03	<3				<1	<1
MW-3B	Aug-00	14.1	536	<10	123	1050	599	5.1		7.23	0.001	193	77	2.08	642	0.152	0.03	<3				2.09	<1
MW-3B	Oct-00	13.2	527	<10	121	1356	598	5.7		7.05	0.001	193	77	2.08	642	0.152	0.03	<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	838	0.116	<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	838	0.116	<0.06	<3				1.68	<1
MW-3B	Sept-01	12.8	526	<10	119	1393	590	5.7		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	10	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	124	1388	573	4.6		7.04	<0.004	127.5	48.5	1.5	888	0.103	<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	866	0.174	<0.1	<3				<1	<1
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	<0.010	163	<3.00	60	1340	<1.00	<0.200	<4.00				<1	<1
MW-3B	Sept-06	15.6	540	19	200	183	610	6.6		6.87	<0.003	521	36	39	1340	<1.00	<0.200	<4.00				<1	<1
MW-3B	Nov-06	11.8	490	8.3	90	1150	540	4.8		6.87	<0.003	521	36	39	1340	<1.00	<0.200	<4.00				<1	<1
MW-3B	Aug-09	17.3	400	32	64	801	399	2.6		7.17	<0.010	132	55.8	2.7	637	1.06	<0.05	<2				1.61	<0.1

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

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umho/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field) (S.U.)	Phenols (mg/l)	Eh (mV)	SO ₄ ⁼ (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ ⁻ (mg/l)	BOD ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
Class G4 Groundwater Quality Standards and Guidance Values																							
MW-207D	Sept-87	12.5	210	24.7	14.1	510	320	2.8	7.12	6.54-5.5	0.002	100	100	25	384	0.29	<0.10	20	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	May-88	12.5	340		20.1	818	280	2.6	7.56	6.54-5.5	0.002	136	136	6	394	0.07	<1.0	<1.0	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Aug-88	13	296		22.4	787	260	13.5	7.6	6.54-5.5	0.002	147	147	20	289	0.09	<1.0	11	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Nov-88	13	296		19	835	264	19.7	7.6	6.54-5.5	0.002	123	123	20	371	0.5	<1.0	30	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Feb-89	10	307	12.1	18.5	910	428	4.75	8.06	6.54-5.5	<0.005	-185.5	153	41	351	0.07	<1.0	12	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Apr-89	9.5	288		7	715	413	4.11	7.32	6.54-5.5	<0.007	-1192.5	245	17	343	0.13	<1.0	11	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Jun-89	15	250		16.5	662	369	8.71	7.58	6.54-5.5	0.002		245	16	373	0.11	<1.0	15	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Nov-89	17	283		16.9	633	385	32.8	8.06	6.54-5.5	0.002		159	27	444	0.08	<1.0	48	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Feb-90	10.5	307	<10	14.8	810	459	2.36	8.14	6.54-5.5	0.002		167	549	355	0.05	<0.1	10	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Apr-90	9.15	290		15.8	704.5	400	8.33	6.91	6.54-5.5	<0.005	4.75	162	12	334	0.04	<0.1	18	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Nov-90	10	311	<1.0	14.7	580	445	11	7.4	6.54-5.5	<0.010	89.3	155	165	391	0.21	<0.1	10	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Feb-91	11	320	1.6	16.4	800	470	<3.0	7.2	6.54-5.5	0.002	73.3	172	150	518	0.09	<0.1	4.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	May-91	11	288	<1.0	11.7	680	480	<3	7.2	6.54-5.5	<0.010	150.8	152	74	612	0.04	<0.1	10	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Aug-91	14	272	7.9	11.4	940	450	<3.0	7.3	6.54-5.5	<0.010	281.5	153	70	703	0.05	<0.1	10	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Nov-91	13	298	5.8	10	875	397	<1	7.17	6.54-5.5	<0.010	124.1	158	40	581	0.03	<0.1	10	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Feb-92	11	350	4.6	13.9	871	416	4	7.16	6.54-5.5	<0.010	90.2	156	38	590	0.06	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	May-92	12	314	<1.0	15	846	430	<1.0	7.03	6.54-5.5	<0.010	108.5	149	45	472	0.04	<0.1	1.8	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Aug-92	12	326	29	13	796	538	<1.0	6.85	6.54-5.5	<0.010	102.6	162	14.8	687	<0.04	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Dec-92	10.5	352	<1.0	10	949	396	<1.0	7.04	6.54-5.5	<0.010	78.4	174	83	687	<0.02	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Feb-93	10	392	16.7	11.5	856	423	24	7.01	6.54-5.5	<0.010	75.4	163	500	634	<0.02	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	May-93	12	368	<1.0	12	506	277	7	7.16	6.54-5.5	<0.010	109.3	153	98	634	<0.02	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Aug-93	13	388	<1.0	14	769	487	<1.0	6.98	6.54-5.5	<0.010	125.4	161	128	682	0.06	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Dec-93	11	376	6.9	15	824	481	16	6.69	6.54-5.5	<0.010	-17.4	145	59	638	<0.02	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	May-94	10.5	392	1	15	990	466	60	7.09	6.54-5.5	<0.010	49	151	105	612	<0.02	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Aug-94	13	388	<5.0	15.5	750	530	40	6.92	6.54-5.5	<0.010	25.8	151	47	666	0.05	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Nov-94	11	408	<5.0	17	725	436	8	7.03	6.54-5.5	<0.010	79.2	146	21	751	0.02	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	March-95	11.5	436	9.3	20	548	529	15	6.79	6.54-5.5	<0.010	53.6	146	54	732	<0.02	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Sept-95	11.5	481	9.3	20	548	529	15	6.79	6.54-5.5	<0.010	53.6	146	54	732	<0.02	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Nov-95	10	458	<5.0	18	456	538	<1	6.94	6.54-5.5	<0.010	-74.8	138	32.5	778	0.11	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	April-96	11.3	250	23	3.8	1210	360	6.4	6.5	6.54-5.5	<0.005	98	130	86	390	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	June-96	11.3	250	16	13	1130	620	1.1	7	6.54-5.5	<0.005	98	130	86	390	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Sept-96	11.6	860	2.8	10	1300	580	1.8	6.9	6.54-5.5	<0.005	80	120	55	710	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Nov-96	11	530	20	17	1070	450	2.2	7.1	6.54-5.5	<0.005	115	90	178	359	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	March-97	9.6	420	13	4.5	1000	390	4.1	6.5	6.54-5.5	<0.005	163	66	123	390	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Sept-97	11.9	600	84	6.8	769	450	4.1	7.3	6.54-5.5	<0.005	100	120	75	3400	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Dec-97	12	440	15	8.2	810	480	5	7.2	6.54-5.5	<0.005	205	77	108	680	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Mar-98	10.8	630	17	15	1090	630	2.5	7.43	6.54-5.5	<0.005	205	77	108	680	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	June-98	16	450	3.4	4.9	756	500	2.5	7.06	6.54-5.5	<0.005	205	77	108	680	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Sept-98	12	600	30	17	1110	660	2.2	6.74	6.54-5.5	<0.005	205	77	108	680	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Dec-98	11.3	520	15	38	1050	690	2	6.56	6.54-5.5	<0.005	205	77	108	680	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Apr-99	11	470	29	35	1080	570	2	7.86	6.54-5.5	<0.005	-30	100	185	730	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Sept-99	12.7	530	11	16	1050	590	1.9	6.77	6.54-5.5	<0.005	60	97	285	670	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Dec-99	11.4	294	12	18	1060	630	1.8	8.31	6.54-5.5	<0.005	105	95	251	690	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Apr-00	10.4	294	19.6	57.1	890	452	6.5	7.49	6.54-5.5	<0.005	-81	80	300	600	<0.03	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Sept-00	13.3	577	<10	15.4	800	577	1.6	7.59	6.54-5.5	<0.005	-112	58	476	681	0.16	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Jan-01	10.8	545	<10	15.6	1095	621	1.7	7.15	6.54-5.5	<0.005	-2	86	40	666	<0.1	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Mar-01	10.8	560	<10	13.9	1106	611	1.8	7.15	6.54-5.5	<0.005	-2	86	40	666	<0.1	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Jun-01	12.4	556	<10	15.5	1125	594	2.3	7.13	6.54-5.5	<0.005	-58	76.8	3.25	682	<0.1	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Sept-01	13.2	521	<10	14.2	1109	666	2	7.15	6.54-5.5	<0.005	-89	84.3	4.18	662	<0.1	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Dec-01	11	525	<10	16.9	1091	601	1.6	7.05	6.54-5.5	<0.005	-47	83.9	10.55	639	<0.1	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Mar-02	10.6	593	<10	14.7	1005	568	<1	6.9	6.54-5.5	<0.005	-44	81.3	2.3	611	<0.1	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Jun-02	11.9	514	<10	15.2	1014	528	2.6	7.27	6.54-5.5	<0.005	-44	81.3	2.3	611	<0.1	<0.1	<0.5	<5.0	4.3	<0.01	0.49	<0.1
MW-207D	Sept-02	11.6	508	<10	16.2	1001	533	1.2	7.27	6.54-5.5	<0.005	-44	81.3	2.3	611	&							

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

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.L.)	pH (field)	Phenols (S.L.)	Eh (mV)	SC4= (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 G, General Purpose, Shallow 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		0.006		600	18		0.12		42	5			0.73	
MW-220	Feb-89	9.3	428	45.5	24	1741	1300	3.6	7.46		0.008	66	741	170	1440	0.12	<0.10				0.06	1.14	
MW-220	Apr-89	13	378		32.5	1133	892	2.49	6.97		<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		41.6	1118	912	3.86	7.15		<0.005		903	298	1120	0.07	0.1				<0.01		
MW-220	Apr-90	11.6	455		39.7	1951	310	3.07	6.78		<0.005		515	175	1290	0.04		5	10			0.82	
MW-220	Nov-90	12	485	14	37.2	1700	880	25	7.1	6.92	<0.005	10.4	3.3	180	1330	<0.1	<0.04			0.008	0.004	<0.5	
MW-220	Feb-91	12	474	<1.0	50.6	1300	850	14.4	6.9	7.06	<0.010	24.6	4.07	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	0.18						
MW-220	Aug-91	13	444	10.4	54.2	1555	700	<30	7	6.9	<0.010	234.6	290	460	1066	0.06	<0.04						
MW-220	Nov-91	14	460	24	33.7	1393	700	7	7.03	6.79	<0.010	204.8	243	150	1076	0.1	0.03	<0.5					
MW-220	Feb-92	10	508	21.1	35.7	1460	839	8			<0.010	205.1	307	170	1060	0.11	0.03						
MW-220	May-92	13	506	6	15	1403	810	<1.0		6.38	<0.010	147.3	17.4	250	1126	<0.04	0.11					<0.5	
MW-220	Aug-92	13	444	22.4	39.5	1221	673	27		6.77	<0.010	132.2	231	134	1188	<0.04	0.2					0.13	
MW-220	Dec-92	12.5	712	3	54	1367	610	<1.0		6.77	<0.010	109.5	200	120	880	0.03	<0.02						
MW-220	Feb-93	10.5	612	23.8	25.8	1202	697	45		6.93	<0.010	19.7	388	1000	1182	<0.02	<0.02					<0.004	
MW-220	Jun-93	11.5	498	5.1	23	511	788	1	6.94		<0.010	179.8	433	180	1136	0.07	<0.02					<0.5	
MW-220	Aug-93	12.5	460	<1.0	24	847	784	<1.0		6.63	<0.010	42.9	112	180	1036	<0.02	<0.02						
MW-220	Dec-93	12	432	8.3	21	1183	699	68		6.87	<0.010	127.2	238	118	1060	<0.02	0.06	<2.0				<0.5	
MW-220	Mar-94	13	404	<1.0	25	1197	694	3		7.02	<0.010	231.1	310	260	1768	<0.02	0.16	<2.0				<0.50	
MW-220	Jun-94	13	512	8.6	17	1086	890	4		6.71	<0.010	71.5	490	75	808	<0.02	0.03	<2.0				0.81	
MW-220	Nov-94	11.5	408	<5.0	18.5	1192	676	4		6.78	<0.010	94.9	304	11.5	943	0.04	0.18	<2.0				2.28	
MW-220	Mar-95	10.5	537	<5.0	36	636	756	36		6.84	<0.010	60.1	310	156	1024	0.04	0.13	<2.0				<0.5	
MW-220	Jun-95	11.5	535	18.6	26	624	607	8		6.64	<0.010	-0.6	499	200	1204	0.13	0.13	<2.0				<0.5	
MW-220	Sept - 95	12.5	512	25	34	525	680	<1		7.03	<0.010	-41.5	300	280	1224	0.22	<0.05	<2.0				<0.5	
MW-220	Nov-95	10.5	536	12.2	30	506	929	<1		7.06	<0.010	-22.3	614	280	1564	<0.02	<0.05	<2.0				<0.5	
MW-220	Apr-96	11.5	500	75	26	1800	1100	16		6.8	<0.002	175	560	701	1600	0.17	<0.02	<4.0				<0.01	
MW-220	Jun-96	11.7	450	37	16	1680	960	1.1		7.1	0.009	5.65	630	550	1300	<0.03	<0.02	<4.0				1	
MW-220	Sept-96	12	430	18	12	1500	770	6.5		6.9	<0.002	140	490	710	1200	<0.03	<0.02	<4.0				0.33	
MW-220	Nov-96	11.9	480	60	17	1700	800	1.6		6.84	<0.002	124	1000	250	1700	<0.03	<0.02	<4.0				0.52	
MW-220	Mar-97	10.6	550	57	27	1590	690	2.4		7	<0.002	180	600	>999	1000	<0.03	<0.02	<4.0				0.49	
MW-220	Jun-97	13.2	560	9.1	27	1300	810	3.2		6.89	0.008	180	400	452	1000	0.089	<0.02	<4.0				0.65	
MW-220	Dec-97	11.5	520	<1	33	1360	810	3.2		7.23	<0.004	180	300	850	1000	0.048	<0.02	<4.0				0.42	
MW-220	Mar-98	10.7	420	8.6	17	1460	860	2.5		7.21	<0.002	280	570	>999	1100	0.073	<0.02	<4.0				0.77	
MW-220	Jun-98	12.5	570	<3	10	1590	1100	2.2		7.1	<0.002	30	640	625	1400	<0.03	<0.02	<4.0				0.65	
MW-220	Sept-98	13.6	540	18	23	1200	1300	3.5		6.85	<0.002	60	230	>999	800	0.061	<0.02	<4.0				<0.04	
MW-220	Dec-98	12	610	18	18	1210	1500	3.3		6.65	<0.002	95	470	>999	800	0.062	<0.02	<4.0				0.98	
MW-220	Apr-99	11.2	470	18	24	1560	1200	2.5		6.86	<0.002	140	300	627	1200	<0.03	<0.02	<4.0				1.1	
MW-220	Jun-99	11.8	460	12	18	1420	1000	2.5		6.44	<0.002	275	340	298	1000	<0.03	<0.02	<4.0				0.62	
MW-220	Sept-99	13.8	510	15	18	2060	1500	2.3		6.51	<0.002	245	320	537	1700	<0.03	<0.02	<4.0				0.27	
MW-220	Dec-99	12	150	33	19	1520	910	2.3		7.9	<0.002	280	418	>999	1100	0.165	<0.02	<4.0				0.77	
MW-220	Apr-00	10.3	537	12.8	19	1500	906	2.1		7.02	<0.004	-29	190	6	1130	0.165	<0.05	<3.0				1.1	
MW-220	Jun-00	12.4	481	<10	12.5	1600	1360	1.3		7.24	<0.004	-87	301	10.7	1390	<0.1	<0.05	<3.0				<1	
MW-220	Sept-00	12.4	454	<10	13.3	1303	803	2.3		7.17	<0.004	4	370	12	928	<0.1	<0.05	<3.0				<1	
MW-220	Dec-00	9.8	492	<10	13.6	1635	924	1.6		7.18	<0.004	82	500	33	1250	<0.1	0.054	<3.0				<1	
MW-220	Mar-01	10.8	537	<10	20.4	1317	655	3.2		7.08	<0.004	7	240	8.7	799	<0.1	<0.05	<3.0				1.38	
MW-220	Jun-01	13.7	456	<10	18	1196	662	2.4		7.13	<0.004	27	284	9.56	760	<0.1	<0.1	<3.0				<1	
MW-220	Sept-01	13.7	448	<10	17.9	1196	690	2.3		7.09	<0.004	33	225	36	835	<0.1	<0.1	<3.0				<1	
MW-220	Dec-01	11.7	454	<10	18.6	1222	715	2.2		6.9	<0.004	32	245	36	835	<0.1	<0.1	<3.0				<1	
MW-220	Mar-02	9.8	584	<10	19.8	1059	752	1.9		7.07	<0.004	16	341	7.6	1150	<0.1	<0.1	<3.0				<1	
MW-220	Jun-02	13.1	549	<10	22.9	1556	868	2.6		6.9	<0.004	33	274	12	881	<0.1	<0.1	<3.0				<1	
MW-220	Sept-02	13.8	453	<10	18.4	1263	733	2.1		7.01	<0.004	157.7	310	23.6	946	<0.1	<0.1	<3.0				<1	
MW-220	Dec-02	10.7	533	<10	18.6	1784	1210	<1		6.92	<0.004	21	1985	130	1850	<0.1	<0.1	<3.0				<1	
MW-220	Apr-04	11.1	477	<10	19	1162	626	2.7		7.22	<0.004	133	181	75	815	<0.10	<0.1	<3.0				<1	
MW-220	Jun-05	14.1	467	17.5	17	989	693	4.17		7.22	<0.004	164	124	39	954	<1.00	<0.200	<4.00				<1.00	
MW-220	Sept-06	16.8	460	10	17	281	820	3		7.44	<0.010	770	310	5.5	1100	<1.0	<0.25	<4.0				<1.0	
MW-220	Dec-07	11.1	510	45	20	1210	720	3.8		6.34	<0.005	220	130	108	800	<0.03	<0.1	<4.0				0.31	
MW-220	Aug-09	18.3	456	4	18	1460	627	2.9		7.05	<0.010	9	178	47.1	800	0.07	<0.05	<4.0				<0.5	

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field)	Phenols (mg/l)	Ek (mV)	SO ₄ (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ (mg/l)	BOD ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
Class 1A Groundwater Quality Summary and Compliance Values																							
MW-221S	Sep-87	14	630	10	83.9	1400	820	4.6	6.37	6.08	0.018	180	180	298	1010	0.16	<0.10	7	<5.0	2.3	<0.01	1.56	
MW-221S	May-88	12.5	540		75.9	1302	720	1.3	6.82	<0.005	<0.005	131	131	200	527	0.05	<0.10	10	<5.0	0.2		0.2	
MW-221S	Aug-88	13	608		99.7	1410	750	<0.1	6.48	<0.005	<0.005	192	192	76	465	<0.04	<0.10	34	<5.0	0.16		0.76	
MW-221S	Nov-88	11.5	610	492	68.5	1250	750	2.19	6.42	<0.005	<0.005	54.7	54.7	73	391	0.1	<0.10	36	<5.0	0.03		1.13	
MW-221S	Feb-89	9.5	591		80	1854	782	3.55	7.29	0.02	0.02	342.5	342.5	140	140	0.31	<0.10	4	5			1.87	
MW-221S	Apr-89	13	561		77.1	1079	825	5.69	6.66	<0.005	<0.005	119	119	640	500	0.04	<0.10	19	20			0.36	
MW-221S	Jun-89	13.5	452		58.2	394	180	25	6.3	0.01	0.01	43.6	43.6	38	254	0.24	<0.10	45	<5.0	<0.005		1.42	
MW-221S	Nov-89	14.7	660		174	1554	892	13.5	6.52	<0.005	<0.005	14	246	248	1000	0.08	0.68	8	10			0.82	
MW-221S	Feb-90	12.5	641	43.3	122	1551	827	16.8	6.71	<0.005	<0.005	25.3	136	110	1180	<0.04	<0.10	18	15			<0.5	
MW-221S	Apr-90	15	654		144	1505	740	19.7	6.53	<0.005	<0.005	132.3	110	240	1046	0.1	<0.10	6.1	<5.0	0.008		<0.004	
MW-221S	Nov-90	14	662	11.4	122	1600	770	52	6.8	0.08	<0.005	136.1	126	250	1093	0.13	<0.10	1.4	<5.0			<0.5	
MW-221S	Feb-91	15	592	22.6	186.1	1700	780	18	6.7	0.45	<0.010	170.9	185	258	1234	0.03	0.09	5	<5.0			<0.5	
MW-221S	May-91	19	636	18	167	1980	860	7	6.6	0.62	<0.010	226.1	145	470	1200	0.03	<0.10	1.4	<5.0			<0.5	
MW-221S	Nov-91	15	708	23.5	140	1825	816	14	6.5	0.58	<0.010	144.6	91	270	1252	0.02	<0.10	1.4	<5.0			<0.5	
MW-221S	Feb-92	13	600	32.6	117	1597	787	10	6.5	0.52	<0.010	160.9	20.4	150	1436	0.04	0.1	2.6	10			0.15	
MW-221S	May-92	13	600	36	185	1865	869	<1.0	6.5	0.52	<0.010	160.9	20.4	150	1436	0.04	0.1	2.6	10			0.15	
MW-221S	Aug-92	12	1094	14.3	180	1940	826	<1.0	6.9	0.5	<0.010	113.9	215	86	300	0.04	<0.10	1.4	<5.0			<0.5	
MW-221S	Dec-92	12	702	38.7	87.5	1363	673	95	6.4	0.5	<0.010	113.9	215	86	300	0.04	<0.10	1.4	<5.0			<0.5	
MW-221S	Jun-93	12	814	10.3	100	1481	813	<1.0	6.46	0.5	<0.010	122.1	142	84	1160	0.13	<0.10	1.4	<5.0			<0.5	
MW-221S	Aug-93	15.5	760	34	77	1456	815	<1.0	6.46	0.5	<0.010	122.1	142	84	1160	0.13	<0.10	1.4	<5.0			<0.5	
MW-221S	Dec-93	12.5	760	34	77	1456	815	<1.0	6.46	0.5	<0.010	122.1	142	84	1160	0.13	<0.10	1.4	<5.0			<0.5	
MW-221S	Feb-94	11.5	776	22.1	108	1661	762	128	6.93	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Jun-94	13.5	756	10.8	68	1156	834	4	6.43	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Aug-94	12.5	820	17.8	78	1501	802	<1	6.43	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Nov-94	13.5	844	14.3	51	997	665	28	6.53	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	March-95	10.5	763	20	56	663	755	<1	6.53	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	June-95	11.5	800	14	105	712	891	<1	6.58	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Sept.-95	14	575	<5.0	54	502	624	<1	6.76	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Dec-95	12.5	648	8.3	75	502	598	<1	6.76	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	April-96	6.7	780	160	51	1690	580	11	6.8	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	June-96	11.7	700	250	37	1540	880	4.4	6.7	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Sept-96	14.7	130	5.3	51	1620	160	1.1	6.5	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Nov-96	13	130	<1	46	1700	590	3.7	6.5	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	March-97	7.8	800	160	68	1700	760	5	6.6	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	June-97	11.9	920	51	56	1500	810	3.9	6.41	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Sept-97	15.5	900	44	50	1600	960	5.7	6.8	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Dec-97	12.6	670	9.2	11	1590	1100	4.7	7.29	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Mar-98	8.8	640	15	18	1510	960	3.1	7.29	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	June-98	14.8	650	5.1	9.9	1270	770	2.8	6.96	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Sept-98	15.5	810	21	56	1530	1200	4.9	7	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Dec-98	12.7	800	20	62	1530	1300	4.4	7	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Apr-99	9.3	500	18	24	1590	1000	3.2	7.52	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	June-99	10.9	600	16	33	1500	1300	3.2	7.04	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Sept-99	15.6	650	12	32	1470	900	3.4	6.48	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Dec-99	12.1	510	39	7.3	1210	740	2.3	8.21	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Apr-00	8.3	521	12.8	9.82	1200	723	1.6	7.07	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Jun-00	16.1	542	<10	13.9	950	709	2	7.31	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Sept-00	14	570	<10	11.5	1146	646	2.2	6.99	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Dec-00	10.5	592	<10	8.76	1119	645	5	7.06	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Mar-01	8.4	730	<10	65.9	1440	702	5.6	7.01	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	June-01	13	655	10.9	30	1151	594	5.1	6.81	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Sept-01	13.7	533	<10	31.6	1198	624	1.9	6.81	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Dec-01	12.8	615	<10	48.9	1328	680	6.8	6.8	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Mar-02	9.1	774	11.8	35.4	1000	660	3.4	7.06	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	June-02	12.8	558	<10	9.33	1113	717	2.6	6.85	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Sept-02	14.3	719	<10	26.1	1175	632	1.1	6.85	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Dec-02	12.1	500	<10	6.48	1190	571	1.7	7.56	0.63	<0.010	34.5	148	220	1224	0.02	<0.10	2.0	<5.0			<0.5	
MW-221S	Apr-04	18.2	462	<10	10.9	979	571	1.7	8.08	0.63	<0.0												

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

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field)	Phenols (mg/l)	Eh (mV)	SO4 ⁼ (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3 ⁻ (mg/l)	BOD5 (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
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	0.005	0.005	20.2	20.2	50	274	0.1	0.1	10	<5.0	<0.01	<0.01	0.15	0.98
MW-221D	Aug-88	12.5	140		42.7	426	190	3.4	7.41	0.02	0.02	23.4	23.4	23	353	0.07		24	<5.0			0.46	0.20
MW-221D	Aug-88	13	125		59.7	486	178	<0.1	7.6	<0.005	<0.005	20.6	20.6	4	122	0.14		4	<5.0			0.34	0.36
MW-221D	Nov-88	11.3	127		60.5	380	182	2.43	7.9	0.008	0.008	4.86	4.86	20	197	0.06		21	<5.0			0.33	0.33
MW-221D	Feb-89	10	124	10.2	66	548	205	2.35	7.7	0.012	0.012	362	362	31	499	0.07	<0.10	22	<5.0			0.16	0.16
MW-221D	Apr-89	13	122		58.7	352	204	10.1	7.61	<0.005	<0.005	-1.5	35.1	16	212	0.07		11	35			1.09	0.98
MW-221D	Jul-89	15	637		157	1627	900	17	6.94	0.024	0.024	-61.1	11.3	85	2240	0.04		8	<5.0			0.46	0.46
MW-221D	Nov-89	13.5		28.5	56.6	365	183	0.77	7.9	0.009	0.009	-46.8	32.1	225	281	0.16	0.14	13	15	0.005	<0.01	0.46	0.46
MW-221D	Feb-90	11.3	132		61.6	455	184	31.1	7.86	<0.005	<0.005	14.85	11.7	52	253	0.04		13	15	0.008	0.005	<0.5	<0.5
MW-221D	Apr-90	12.25	141		61.4	380	180	28.5	6.55	<0.005	<0.005	104.1	17.3	6	269	<0.1	<0.04	3.5				<0.5	<0.5
MW-221D	Nov-90	12	125	7.2	59.7	530	190	7	7.8	7.55	<0.005	-13.2	24.4	8	289	0.05	<0.04					<0.5	<0.5
MW-221D	Feb-91	12	122	<1.0	62.5	510	180	<3.0	7.9	7.71	<0.010	99	21	9.5	259	0.04	0.18					<0.5	<0.5
MW-221D	May-91	13	118	4.2	58.5	320	184	<3.0	8	7.37	<0.010	201.8	17.8	6.1	342	0.05	<0.04					<0.5	<0.5
MW-221D	Aug-91	14	126	2.8	58.5	500	180	<3.0	7.8	7.55	<0.010	31.7	13.3	3.5	348	0.08	<0.04					<0.5	<0.5
MW-221D	Nov-91	14	126	12.3	57.4	458	174	1	7.21	7.41	<0.010	121.7	10	2.5	252	0.11	<0.02					<0.5	<0.5
MW-221D	Feb-92	10	130	<1.0	65	456	179	<1.0		7.43	<0.010	89.4	26.8	1.7	374	0.09	0.09					<0.5	<0.5
MW-221D	May-92	13	122	<1.0	62	340	147	<1.0		7.43	<0.010	108	51.7	1.5	272	<0.02	<0.02					<0.5	<0.5
MW-221D	Aug-92	14	106	7.5	65	506	146	<1.0		7	<0.010	97.7	34.5	18	248	0.04	0.02					<0.5	<0.5
MW-221D	Feb-93	11	120	2.7	55	446	133	9	7.52	7.11	<0.010	66.5	50.5	0.8	296	0.05	<0.02					<0.5	<0.5
MW-221D	Jun-93	13	116	7.7	60	304	146	6		7.11	<0.010	65.4	50.5	0.8	296	0.05	<0.02					<0.5	<0.5
MW-221D	Aug-93	15	124	<1.0	61	379	163	<1.0		7.11	<0.010	64.7	29.6	8.2	224	<0.02	<0.02					<0.5	<0.5
MW-221D	Dec-93	12	106	5.5	59	402	177	2		7.49	<0.010	64.7	29.6	8.2	224	<0.02	<0.02					<0.5	<0.5
MW-221D	Mar-96	11.5	116	<1.0	60	453	164	8		7.72	<0.010	-2	46.3	3.2	260	0.06	0.18	<2.0				<0.5	<0.5
MW-221D	Jun-94	12.5	118	<1.0	58	395	169	<1		7.57	<0.010	-1.4	27.1	1.7	273	<0.02	<0.02					<0.5	<0.5
MW-221D	Nov-94	12.5	116	8.9	58.5	439	167	4		7.72	<0.010	-2	46.3	3.2	260	0.06	0.18	<2.0				<0.5	<0.5
MW-221D	Mar-95	12.5	123	<5.0	59	362	173	5		7.14	<0.010	72.9	38.5	3.9	280	0.07	0.14	<2				<0.5	<0.5
MW-221D	Jun-95	12.5	123	<5.0	59	355	158	<1		7.27	<0.010	-78.3	26.6	5.1	300	0.1	<0.05	<2				<0.5	<0.5
MW-221D	Sep-95	11	116	8.3	60	319	168	<1		7.18	<0.010	-29.4	21.8	5.5	276	0.06	<0.05	<2				<0.5	<0.5
MW-221D	Dec-95	11	120	<5.0	58	312	146	<1		7.35	<0.010	53.5	19	28	310	<0.03	0.043	13	<4			0.46	0.46
MW-221D	Apr-96	8.3	140	1	57	440	280	<1		8.2	<0.002	315	44	200	290	<0.03	0.027	<4				2.1	<2
MW-221D	Jun-96	11.6	120	5.7	32	450	790	<1		8	<0.002	45	20	3.4	290	<0.03	<0.02	<4				3.2	<2
MW-221D	Nov-96	11.4	120	<1	52	425	140	<1		8	<0.002	180	34	130	320	<0.03	0.037	<4				0.62	<2
MW-221D	Mar-97	9.1	140	8.6	55	425	150	<1		7.95	<0.002	195	16	<1	260	<0.03	<0.02	<4				0.85	<2
MW-221D	Jun-97	12.1	140	8.6	55	425	150	<1		7.6	<0.002	450	28	3	250	<0.03	0.06	<4				0.25	<2
MW-221D	Dec-97	11.7	140	33	48	489	160	1.6		8.03	<0.002	325	27	34	270	<0.03	0.021	<4				0.17	<2
MW-221D	Mar-98	10.7	140	<1	54	478	170	<1		7.9	<0.002	325	43	23	240	<0.03	0.051	<4				0.14	<2
MW-221D	Jun-98	12.4	150	6.6	63	473	170	<1		7.3	<0.002	285	14	21	230	<0.03	0.047	<4				0.23	<1
MW-221D	Sep-98	14.6	130	2.1	61	450	170	<1		7.05	<0.002	85	15	49	270	<0.03	0.023	<4				0.12	<1
MW-221D	Dec-98	12.4	120	<1	63	433	240	<1		7.53	<0.002	80	25	15	220	<0.03	0.025	<4				0.77	0.71
MW-221D	Apr-99	11.6	110	6.3	61	492	170	<1		7.76	<0.002	240	18	36	290	<0.03	0.029	<4				0.24	0.36
MW-221D	Jun-99	11.9	120	2.9	57	460	210	<1		6.95	<0.002	300	17	95	280	<0.03	0.04	<4				0.14	0.62
MW-221D	Sep-99	14.2	120	3.9	56	456	180	<1		7.69	<0.002	340	17	45	230	<0.03	0.037	<4				0.28	0.58
MW-221D	Dec-99	12.3	120	12	56	474	180	<1		8.66	<0.002	-12	23	4.5	238	<0.1	0.044	<3				<1	<1
MW-221D	Apr-00	10.3	125	<10	57.1	430	167	1.5		7.91	<0.004	-94	16	4.34	235	<0.1	<0.05	<3				<1	<1
MW-221D	Jun-00	14.3	121	<10	57	360	177	<1		7.93	<0.004	-101	18	3.4	216	<0.1	0.073	<3				<1	<1
MW-221D	Sep-00	13	119	<10	55.9	462	185	<1		8.14	<0.004	88	19	6.7	207	<0.1	0.089	<3				1.53	<1
MW-221D	Dec-00	10.9	124	<10	54.5	453	178	<1		7.77	<0.004	28	18	5.6	220	<0.1	0.08	<3				<1	<1
MW-221D	Mar-01	9.8	122	<10	56.2	463	177	<1		7.54	<0.004	98	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		8.05	<0.004	78	12.9	17.7	213	<0.1	<0.1	<3				<1	<1
MW-221D	Sep-01	13.8	115	<10	53.4	457	177	<1		7.52	<0.004	-7	18.3	23	224	<0.1	<0.1	<3				<1	<1
MW-221D	Dec-01	12	114	<10	58.8	452	175	<1		7.75	<0.004	-25	16.5	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	301	16.4	2.7	238	<0.1	<0.1	<3				<1	<1
MW-221D	Jun-02	12.7	120	<10	58	444	171	<1		7.89	<0.004	18	17.4	4.88	227	<0.1	0.11	<3				<1	<1
MW-221D	Sep-02	13.4	112	<10	57.7	431	163	<1		8.09	<0.004	-18	18.5	12	235	<0.1	<0.1	<3				<1	<1
MW-221D	Dec-02	12	118	<10	62.9	451	182	<1		8.11	<0.004	207	16.4	19	250	<0.1	0.21	<4.00				<1.00	<1.00
MW-221D	Apr-04	10.3	124	<10	53.7	424	173	<1.00		7.42	<0.010	151	20.7	26	238	<0.1	<0.25	<4				<1.00	<1.00
MW-221D	Jun-05	16.8	122	23.4	53	691	193	<1.00		8.12	<0.010	174	18	31	240	<0.1	<0.25	<4				<1.00	<1.00
MW-221D	Sep-06	22.7	130	<10	56	385	190	<1		7.71	<0.003	280	8.5	11	230	<0.03	0.11	<4				<1.00	<1.00
MW-221D	Dec-07	11.1	120	<5	56	398	190	<1		7.71	<0.003	280	8.5	11	230	<0.03	0.11	<4				<1.00	<1.00
MW-221D	Aug-09	15.37	148	48	62	377	193	2.9		7.64	<0.010	51	29.5										

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)	SO ₄ ⁼ (mg/L)	Turb (NTU)	TDS (mg/L)	NH ₃ (mg/L)	NO ₃ ⁻ (mg/L)	BOD ₅ (mg/L)	Color (units)	CN ⁻ (mg/L)	Cr ⁺⁶ (mg/L)	TCN (mg/L)	Bromide (mg/L)
MW-222	May-87	13	685		48.5	1383	920	2.2	6.3	0.019	0.019		250	260	1128	0.15	0.61	10	<5.0		<0.01		0.67
MW-222	May-88	13	875		41.3	1681	1100	4.5	6.71	0.042	0.042		197	775	666	0.24		12	<5.0				1.07
MW-222	Aug-88	13	675		46.2	1481	808	2.6	6.44	<0.005	<0.005		210	190	439	0.28		13	5				1.22
MW-222	Nov-88	12	707		54.2	1462	982	2.5	6.5	0.031	0.031		202	15	683	0.39	<0.10	12					2.51
MW-222	Feb-89	10.8	739		88	1645	1140	4.25	7.03	0.032	0.032	-18.7	253	173	150	0.19		15	25		<0.01		1.53
MW-222	Apr-89	11.5	488		80.5	1269	821	33.7	6.24	0.012	0.012	69	253	150	227	0.15		12	50				1.53
MW-222	Jun-89	14	510		30.4	1002	541	12.2	6.64	0.011	0.011	-156.3	65	105	1010	0.08		9	165				0.9
MW-222	Nov-89	17	449		46.2	819	502	15.8	6.83	0.008	0.008		65	105	1010	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	<0.005	4.8	248	120	385	0.41	<0.10	21	15	<0.005	<0.01		0.65
MW-222	Apr-90	10.4	257		40	684.5	320	3.12	6.49	<0.005	<0.005	25.5	382	120	495	0.15		11	70				0.67
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	<0.1	14	5	<0.004	0.032		
MW-222	Feb-91	13	691	7.8	61	1450	810	17	6.6	0.105	0.105	-11.9	116	150	1022	0.39	<0.04						
MW-222	May-91	11	548	21.9	61.8	1300	760	10.5	6.6	6.29	<0.010	71.8	205	190	1065	0.18	<0.02						
MW-222	Aug-91	14	660	19	48.5	1880	800	5.3	6.4	6.4	<0.010	232.4	192	300	1252	0.8	<0.04						
MW-222	Nov-91	14	892	140	115	1996	1036	94	6.48	6.48	<0.010	9.3	18	270	1464	1.7	<0.04						
MW-222	Feb-92	10	846	51.9	92.1	2170	1035	27	6.22	6.22	<0.010	10.3	90	380	1256	0.3	<0.02	15.3	<5	<0.010	<0.004		0.6
MW-222	May-92	13	750	37	185	1903	1075	<1.0	6.32	6.32	<0.010	10.3	13.9	210	1598	0.53	0.15				<0.004		1.2
MW-222	Aug-92	13	434	26.5	135	1449	707	<1.0	6.41	6.41	<0.010	7.7	79.8	300	1248	0.86	0.12						
MW-222	Dec-92	11.5	908	22.8	130	1941	844	<1.0	6.53	6.53	<0.010	63.8	84.9	1000	1180	0.98	<0.02						
MW-222	Jun-93	11	472	39.6	135	1423	715	106	6.55	6.55	<0.010	-63.8	84.9	1000	1180	0.8	<0.02						
MW-222	Feb-93	13.5	780	33	105	1101	808	<1.0	6.31	6.31	<0.010	-29.9	124	580	1064	14.4	<0.02	5.5	3000	<0.004	<0.004	2	
MW-222	Aug-93	13.5	908	41.2	205	2060	1020	32	6.41	6.41	<0.010	-60.1	188.7	240	1468	7.78	<0.05	5.1					6.95
MW-222	Dec-93	12	828	35.5	182	2360	1097	148	6.42	6.42	<0.010	50.9	292	260	1408	4.66	<0.05	5.1					2.51
MW-222	Jun-94	13.5	788	15.1	50	1059	798	8	6.41	6.41	<0.010	44.8	61.6	150	907	1.22	0.1	7.8	80	<0.004	<0.004		9.77
MW-222	Aug-94	13	856	26.7	73	1702	949	12	6.49	6.49	<0.010	13.1	118	180	1204	1.51	<0.05	4.2					1.28
MW-222	Nov-94	12	848	14.3	92	1113	753	18	6.5	6.5	<0.010	56.5	202	410	1364	2.71	0.11	5					2.6
MW-222	March-95	11	888	30	42	724	849	20	6.5	6.5	<0.010	-79.9	99.6	320	1476	1.55	<0.05	6					3.9
MW-222	June-95	11.5	759	55.8	200	894	780	18	6.79	6.79	<0.010	-80.0	78.5	225	1778	2.6	<0.05	4.4					3.1
MW-222	Sept. -95	12	948	112.5	322	812	730	5	6.82	6.82	<0.010	-89.1	151	340	968	0.56	<0.05	11	25	<0.004	<0.004		1.27
MW-222	Nov-95	12	592	36.7	38	529	573	<1	6.7	6.7	<0.02	85	120	1000	1200	1.5	<0.02	28	750	<0.01	<0.01		6.4
MW-222	Apr-96	9.7	830	59	77	1890	800	16	6.6	6.6	<0.02	140	62	490	1380	0.95	<0.02	16					4
MW-222	Nov-96	11.7	730	73	75	1710	800	8.6	6.5	6.5	<0.02	78	<10	440	1200	0.6	<0.02	21					2.3
MW-222	Apr-96	11.5	860	140	88	1950	680	5.8	6.47	6.47	<0.02	0	110	440	1200	0.6	<0.02	21					2.3
MW-222	March-97	10.1	370	74	150	2030	780	9.6	6.5	6.5	<0.02	10	46	160	1100	1	<0.02	24					3.2
MW-222	Sept-97	12	890	53	180	2060	900	11	6.43	6.43	0.0079	130	430	925	1300	5.4	<0.02	16					7.3
MW-222	Sept-97	12	960	180	200	2000	1000	36	6.4	6.4	0.0079	50	150	600	1800	34	<0.02	<4					34
MW-222	Dec-97	12	2100	170	180	3150	810	43	6.59	6.59	<0.02	-10	150	>999	1800	34	<0.02	13					15
MW-222	Mar-98	11.5	1280	32	170	2200	720	12	6.86	6.86	<0.02	20	78	38	1200	18	<0.02	14					<1
MW-222	June-98	13.8	980	24	50	1620	700	7.5	6.66	6.66	<0.02	-90	38	374	920	32	<0.02	25	130	<0.01	<0.01		<1
MW-222	Sept-98	13.7	970	21	49	1800	1000	6.9	5.99	5.99	<0.02	<95	61	>999	1100	53	<0.02	37					<1
MW-222	Dec-98	12.7	1100	56	200	2260	1200	18	6.99	6.99	<0.02	-25	130	>999	1300	82	<0.02	17					30
MW-222	Apr-99	12.4	970	54	190	2620	1100	18	6.99	6.99	<0.02	-60	170	135	1600	38	<0.02	13					640
MW-222	June-99	11.9	860	54	100	1800	780	10	7.04	7.04	<0.02	30	47	35	980	34	<0.02	19					81
MW-222	Dec-99	12.5	930	51	140	2230	740	15	6.65	6.65	<0.02	65	100	40	1100	72	<0.02	19					1.5
MW-222	Apr-00	10.7	841	33.6	105	1850	683	8.1	6.92	6.92	0.003	-75	40	34	935	81	0.021	10					95
MW-222	Jun-00	14.3	773	25.6	121	1300	778	7.9	6.91	6.91	0.0036	-152	28	25.9	921	84.4	<0.05	16					<1
MW-222	Sept-00	12.5	1640	26.7	114	1710	824	6.6	6.7	6.7	0.0044	6.7	14	16	563	7.78	<0.05	16					9.8
MW-222	Dec-00	11.4	757	29.2	130	1960	892	9.9	6.87	6.87	0.004	-28	66	15	1060	20.3	<0.05	9					29.3
MW-222	Mar-01	11	917	32	244	2100	875	18.6	6.68	6.68	0.0071	-59	65	9.7	1270	5.53	<0.05	11					1.31
MW-222	June-01	13.2	865	31	106	1798	756	9.7	6.83	6.83	0.004	-93	28.7	23	913	<0.1	<0.1	10	250	<0.01			7.4
MW-222	Sept-01	13	778	24.4	111	1947	865	8.1	6.7	6.7	<0.004	-78	45.2	9.52	1110	4.18	<0.1	14					8.41
MW-222	Dec-01	12.7	1030	79.7	257	2690	759	2.3	6.77	6.77	0.0078	-78	56.8	6.96	1395	30.3	<0.1	5.4					59.8
MW-222	Mar-02	11.8	1204	130	177	2070	479	23	6.79	6.79	0.0159	-42	27.8	6.1	1280	30.5	<0.1	8					125
MW-222	June-02	13.6	985	37.4	98.2	2260	513	22	6.76	6.76	0.0042	-74	106	3.6	676	38.9	<0.1	11					104
MW-222	Sept-02	14.1	874	18.7	80.1	1745	572	7.2	7.02	7.02	0.0046	-90.5	34	10.82	795	38.9	<0.1	11					<1
MW-222	Dec-02	13.1	996	32.4	42.9	1445	692	8.1	7.02	7.02	0.0046	-62	89.4	45	999	33.5	<0.1	11					34.3
MW-222	Apr-03	12.3	827	22	74.6	1695	748	7.1	7.18	7.18	<0.004	-15	18.5	45	1010	0.86	<0.1	>22E					<1
MW-222	Nov-03	16.4	895	50.1	58	684	825	8.75	8.19	8.19	0.003	104	47.5	61	1010	0.86	0.73	8.78					<100
MW-222	Sept-06	17.6	820	48	71	237	810	11	8.39	8.39	0.019	834	11	38	993	7.2	<0.25	12					<10
MW-222	Dec-07	11.1	910	50	98	2000	820	12	6.47	6.47	<0.003	35	30	13	1000	37	<0.1	11					38
MW-222	Aug-09	19.5	808	60	67	1830	800	6.1	6.84	6.84	<0.010	-97	68.9	157	1078	5.59	<0.05	<12					8.77

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

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ₂ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field) (S.U.)	Phenols (mg/l)	Eh (mV)	SO ₄ (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ (mg/l)	BOD ₅ (mg/l)	Color (units)	Cu (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
MW-223S	Sep-87	11.5	626	10.1	18.5	1492	900	73	7.01		<0.005		235	40	1010	0.1	0.3	4	<5.0				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		208	30	473	0.11		10	<5.0				0.81
MW-223S	Nov-88	10	662	17.4	11.4	1223	898	19.3	6.93		<0.005		404	5	433	0.15		69	<5.0				0.35
MW-223S	Feb-89	8	593		11	1522	804	6.5	7.45		<0.005	97.3		85	960	0.14	<0.1	13	10		<0.01		0.66
MW-223S	Apr-89	14	376		7.5	1458	474	11.93	6.82		<0.005	-290		137	12	415	0.48	15	<5.0				1.02
MW-223S	Jun-89	13.5	730		10.5	1352	972	12.4	6.96		<0.005		548	88	2040	0.06		11	22				0.22
MW-223S	Nov-89	11.3	764		14	1193	991	5.64	6.82		<0.005	-1.2	229	36	1600	0.11		8	<5.0				0.36
MW-223S	Feb-90	11.5	744	11.2	10.5	1475	961	16.3	6.94		<0.005	-61.3	228	124	1600	0.14	<0.1	6	10		<0.01		0.56
MW-223S	Apr-90	11.7	693		10.2	1107.5	891	15.2	8.03		<0.005	-205.1	170	54	1049	0.16		9.5	<5		<0.004	0.037	<0.5
MW-223S	Nov-90	10	819		11.7	970	920	5.8	7		<0.010	66.9	165	110	1064	0.2	<0.04						
MW-223S	Feb-91	11	738	<0.5	12.9	1300	910	78	6.8		<0.010	202.8	152	47	1022	0.12	<0.04						
MW-223S	May-91	11	720	4.5	11.7	1100	940	<3	6.7		<0.010	223.3	155	60	1080	0.06	<0.04						
MW-223S	Aug-91	11	718	4.5	10.4	1540	880	19.4	6.9		<0.010	100.8	182	100	1045	0.12	<0.04						
MW-223S	Nov-91	10	664	3.8	11	1592	879	52	6.58		<0.010	79.7	203	67	921	0.16	0.03	6.6	<5		<0.010	<0.004	<0.5
MW-223S	Feb-92	11	694	14.7	12.9	1499	853	3	6.85		<0.010	35.4	168	66	1036	0.09	0.02	2.7	5		0.016	<0.004	0.31
MW-223S	May-92	12	622	96	10	1406	822	<1.0			<0.010	38.2	182	120	1036	0.02	0.04						
MW-223S	Aug-92	13	702	7	12	1256	725	<1.0			<0.010	39.5	162	82	977	0.11	0.07						
MW-223S	Dec-92	10	662	3	6	1603	746	<1.0			<0.010	25.4	166	105	977	0.03	<0.02						
MW-223S	Feb-93	12	742	<1.0	10	1241	614	58	6.79		<0.010	75.1	142	90	977	0.15	<0.02						
MW-223S	May-93	12.5	742	2	11	976	864	<1.0			<0.010	96.1	166	112	1028	0.02	<0.05						
MW-223S	Dec-93	10	688	5.9	10	1305	923	30	6.75		<0.010	81.6	160	210	880	0.05	0.04						
MW-223S	May-94	10.5	700	<1.0	11	1456	765	224	6.8		<0.010	67.1	171	150	858	0.09	0.04						
MW-223S	Nov-94	12.5	740	14	10.5	991	810	52	6.76		<0.010	53.6	173	39	1032	0.07	0.17						
MW-223S	Aug-94	11	768	8.9	13	1378	853	3	6.69		<0.010	121.1	167	32	1060	0.48	<0.05						
MW-223S	Nov-94	11	828	9.5	13	943	686	29	6.72		<0.010	67.5	150	80	1032	0.1	<0.05						
MW-223S	March-95	9.5	795	5	16	665	657	<1	6.69		<0.010	-46.7	169	47	1120	0.02	<0.05						
MW-223S	June-95	11.5	808	9.3	20	640	3570	<1	6.86		<0.010	-77.9	148	47	1120	0.02	<0.05						
MW-223S	Sept-95	9	732	12.5	16	519	862	<1	6.92		<0.010	-75.3	159	86	1012	0.051	<0.05						
MW-223S	Nov-95	11	718	12.5	15	512	837	10	6.8		<0.002	55	120	150	1100	0.11	<0.02						
MW-223S	April-96	11.4	720	32	21	1700	440	26	6.5		<0.002	57	54	120	990	0.14	<0.02						
MW-223S	June-96	11.8	870	10	<10	1500	680	1	6.5		<0.002	10	360	71	977	0.11	<0.02						
MW-223S	Nov-96	11.5	710	7.8	15	1310	600	3.2	7.09		<0.002	65	100	337	860	0.096	<0.02						
MW-223S	Sept-97	11.7	550	13	18	1750	620	2.2	6.11		<0.002	-10	100	260	860	0.032	<0.02						
MW-223S	March-97	11.8	540	59	23	1430	780	1.8	6.8		<0.002	25	89	100	880	0.032	<0.02						
MW-223S	Sept-97	11.8	540	59	23	1430	690	3.4	6.8		<0.002	25	89	100	880	0.032	<0.02						
MW-223S	Dec-97	10.6	760	27	20	1450	710	2	7.15		<0.002	20	120	108	977	0.075	<0.02						
MW-223S	Mar-98	9.6	450	6.5	23	1330	500	1.9	7.34		<0.002	10	140	127	1400	0.16	<0.02						
MW-223S	June-98	13.6	830	8.3	29	1500	820	2.4	7.02		<0.002	-85	130	180	1800	0.094	<0.02						
MW-223S	Sept-98	12.1	600	20	22	1120	760	2.8	7.24		<0.002	-80	110	113	1800	0.11	<0.02						
MW-223S	Dec-98	10.8	310	14	29	635	960	2.7	7.45		<0.002	25	62	142	142	940	0.33	<0.02					
MW-223S	Apr-99	11.4	650	16	28	1390	750	2.2	7.01		<0.002	-90	110	110	1800	0.044	<0.02						
MW-223S	Sept-99	12.8	570	3.9	21	1390	880	1.8	8.35		<0.002	35	120	167	1400	0.044	<0.02						
MW-223S	Dec-99	11.3	720	12	30	1410	800	2.5	8.35		<0.002	95	110	312	1800	0.211	<0.05						
MW-223S	Apr-00	10.2	601	27	24	1360	780	1.8	6.93		<0.004	-93	130	15.7	945	0.105	<0.05						
MW-223S	Jun-00	12.8	644	<10	30.5	1090	784	2.7	6.99		<0.004	-98	140	11	955	0.105	<0.05						
MW-223S	Sept-00	11.5	688	<10	27.9	1451	814	2	6.79		<0.004	-10	120	5.5	955	0.105	<0.05						
MW-223S	Mar-01	11.1	631	<10	24.6	1370	783	3.6	7.08		<0.004	-66	120	22	857	0.105	<0.05						
MW-223S	June-01	13.1	630	<10	23.8	1378	718	2.5	6.76		<0.004	-60	160	18	857	0.105	<0.05						
MW-223S	Sept-01	12.8	579	<10	25.3	1365	711	2	6.83		<0.004	-46	141	133	831	0.105	<0.05						
MW-223S	Dec-01	10.9	627	<10	26.7	1383	696	1.6	6.67		<0.004	-44	121	10.24	831	0.105	<0.05						
MW-223S	Mar-02	12.3	733	<10	22.7	1278	613	1.2	6.68		<0.004	-43	97.9	2.81	831	0.105	<0.05						
MW-223S	Jun-02	12.3	640	<10	21.5	1359	694	2.7	6.76		<0.004	-43	110	13.7	831	0.105	<0.05						
MW-223S	Sept-02	11.8	639	<10	23.3	1301	674	93	6.75		<0.004	-43	97.9	2.2	831	0.105	<0.05						
MW-223S	Dec-02	10	633	<10	21.5	1301	674	93	6.75		<0.004	-43	97.9	2.2	831	0.105	<0.05						
MW-223S	Apr-04	19	182	<10.0	48	485	295	3.8	8.03		<0.010	103	76.2	40	775	0.105	<0.05						
MW-223S	Jun-05	11.3	622	<10.0	19.2	1374	745	1.2	7.27		<0.010	103	76.2	40	775	0.105	<0.05						
MW-223S	Sept-06	9.7	510	28	14	144	590	3.9	6.72		<0.010	681	71	55	660	0.08	<0.05						
MW-223S	Dec-07	9.8	550	12	12	1060	500	3.9	6.99		<0.010	-56	37.6	116	256	0.08	<0.05						
MW-223S	Aug-09	15.4	496	9	7	818	523	2.8	6.99		<0.010	-56	37.6	116	256	0.08	<0.05						

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)	Phos (mg/l)	En (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 Guideline Values																							
MW-223D	May-87	11.5	690	22.3	11.3	1380	760	2.4	6.6	6.83	0.007		220	25	917	0.08	<0.10	20	<5.0	<0.01	<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		0.005		859	5	396	0.13		21	5			0.38	
MW-223D	Feb-89	8	678	12.6	36	1458	868	5.3	7.37		<0.005	105	152	58	550	0.14	<0.10	10	<5.0	0.03		0.67	
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			0.27	
MW-223D	Jun-89	12	752		42.9	1315	925	18.4	6.86		0.008	-35.45	472	96	2020	0.04		16	25			0.79	
MW-223D	Nov-89	11.3	257		15.8	667	342	18.2	7.36		0.012		133	30	469	0.23		36	<5.0	<0.01			
MW-223D	Feb-90	11	834		47.2	1563	987	44.1	6.99		<0.005	-8.9	119	713		0.08	<0.10	7	10	<0.005	<0.01	0.38	
MW-223D	Apr-90	10.45	669		30.3	820	890	8.6	7.03		<0.005	-8.9	119	713		0.08	<0.10	94	10	<0.004	0.024	<0.5	
MW-223D	Nov-90	10	830	17	39.1	1000	890	8.6	7		<0.010	229.4	129	225	1972	0.16	<0.1	11	25				
MW-223D	Feb-91	11	846	<0.5	38.7	1400	980	97	6.7	6.8	<0.010	82.3	157	240	1152	0.17	<0.04						
MW-223D	May-91	11	758	12.1	29.8	1100	960	4.9	6.8		<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		<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	565	0.05	0.05	3.4		<0.010	<0.004	<0.5	
MW-223D	May-92	12	682	<1.0	32	1484	803	<1.0		6.84	<0.010	94.3	16.5	34	565	0.05	<0.02	2		0.004	<0.004	<0.5	
MW-223D	Aug-92	13	734	6	25	1338	758	1			<0.010	49.4	173	87	1164	0.04	<0.02						
MW-223D	Dec-92	10	662	6.9	20.5	1680	796	<1.0			<0.010	52.3	212	86	1080	0.02	<0.02						
MW-223D	Feb-93	10	722	<1.0	22.5	1251	562	58			<0.010	56.8	192	56	1028	0.02	0.07						
MW-223D	May-93	12	678	<1.0	21	845	783	12			<0.010	94.7	127	44	956	0.02	<0.02						
MW-223D	Aug-93	14	654	1	23	845	783	<1.0			<0.010	9.6	251	66	982	0.69	<0.02						
MW-223D	Dec-93	10	616	8.8	21	1201	775	22			<0.010	60.7	141	71	920	0.02	<0.05						
MW-223D	May-94	11.5	638	<1.0	20	1296	668	84			<0.010	26.7	135	280	796	0.02	<0.05	<2.0				<0.5	1.04
MW-223D	Nov-94	13	604	<5.0	21	1114	710	605			<0.010	50.8	139	56	788	0.02	0.12	<2.0		<0.004	<0.004	<0.5	<0.50
MW-223D	Nov-94	11.5	719	16.3	21	889	605	25			<0.010	63.1	155	14	1008	0.03	0.21	<2.0				0.55	2.29
MW-223D	Nov-94	11.5	622	5	22	632	603	36			<0.010	46.6	132	21	904	0.16	0.23	<2				<0.5	<0.2
MW-223D	March-95	11.5	674	<5.0	23	614	700	<1			<0.010	30.3	129	15.5	1016	0.08	<0.05	<2		<0.004	<0.004	<0.5	0.3
MW-223D	Sept-95	9	702	12.5	22	488	756	<1			<0.010	53.5	152	66	884	0.02	0.08	<2		<0.01	<0.01	1.1	0.3
MW-223D	Nov-95	10	604	<5.0	20	489	604	<1			<0.002	130	110	290	560	0.11	0.024	<4		<0.01	<0.01	0.66	<2
MW-223D	April-96	11.7	340	5.1	10	1110	480	1.6			<0.002	100	52	20	500	0.036	0.07	<4				0.65	<2
MW-223D	Sept-96	11.7	700	5.3	<10	1300	560	1			<0.002	25	92	24	530	0.12	<0.02	<4				0.34	<2
MW-223D	Nov-96	11.1	440	1	18	1090	370	2.2			<0.002	0	92	24	530	0.048	0.049	4.6				0.34	<2
MW-223D	March-97	9.3	320	8.6	18	1340	630	3.2			<0.002	40	94	135	790	0.048	<0.02	<4				0.36	<2
MW-223D	June-97	12.1	470	9.1	23	950	540	1.9			<0.002	30	82	285	470	0.16	<0.02	<4				0.27	<1
MW-223D	Sept-97	10.8	570	27	19	1290	610	2.1			<0.002	65	98	399	730	0.039	0.021	<4				0.74	<1
MW-223D	Mar-98	10	370	4.3	17	884	430	1.9			<0.002	20	64	370	710	0.2	<0.02	9.3				0.42	<1
MW-223D	June-98	13	690	7.3	16	1180	650	2.1			<0.002	50	120	113	646	0.03	<0.02	<4				0.57	<0.1
MW-223D	Sept-98	12.3	500	23	22	1000	580	2.9			<0.002	75	100	194	660	0.03	<0.02	<4				0.33	0.14
MW-223D	Dec-98	11.2	530	1.4	6.4	990	890	2.7			<0.002	150	110	544	790	0.03	<0.02	<4				0.36	<0.1
MW-223D	Apr-99	10.9	600	13	26	1120	720	2.4			<0.002	85	120	550	650	0.134	<0.05	<3				<1	<1
MW-223D	June-99	11	470	6.4	17	1040	700	2.6			<0.002	76	98	8.2	788	0.134	<0.05	<3				<1	<1
MW-223D	Sept-99	12.7	630	19	22	1250	700	1.7			<0.002	115	110	25.8	820	0.11	<0.05	<3				<1	<1
MW-223D	Dec-99	9.8	993	<10	20	1190	661	2.1			<0.004	-7.6	110	15	847	0.01	<0.05	<3				2.18	<1
MW-223D	Apr-00	13.8	618	<10	25	950	696	2.1			<0.004	-22	150	15	847	0.01	<0.05	<3				2.46	<1
MW-223D	Sept-00	11.4	607	<10	25	1325	742	2.2			<0.004	37	140	9.1	920	0.01	<0.05	<3				<1	<1
MW-223D	Dec-00	9.6	696	17.2	24.8	1345	781	2.6			<0.004	23	140	7.2	812	0.01	<0.05	<3				<1	<1
MW-223D	Mar-01	10.8	655	<10	24.4	1338	781	2.3			<0.004	-31	143	11	813	0.01	<0.05	<3				<1	<1
MW-223D	Jun-01	12.8	593	<10	26.2	1303	678	4.4			<0.004	-50	126	7.63	768	0.01	<0.05	<3				<1	<1
MW-223D	Sept-01	11.9	552	<10	23.7	1295	695	2.1			<0.004	-3	120	5.75	817	0.01	<0.05	<3				<1	<1
MW-223D	Dec-01	10.8	606	<10	31.3	1314	713	1.9			<0.004	-12	116	4.11	804	0.01	<0.05	<3				<1	<1
MW-223D	Mar-02	10	689	<10	21.9	1240	731	1.7			<0.004	-27	96.1	5.9	804	0.01	<0.05	<3				<1	<1
MW-223D	Jun-02	11.6	635	<10	25.3	1262	678	2.3			<0.004	863	96.3	2.5	784	0.01	<0.05	<3				<1	<1
MW-223D	Sept-02	12.3	615	<10	25.4	1245	659	2.3			<0.004	6.4	104	7.2	772	0.01	<0.05	<3				<1	<1
MW-223D	Dec-02	9.9	717	<10	29.4	1230	628	1.5			<0.004	118	94.3	20.9	696	0.01	<0.05	<3				<1	<1
MW-223D	Apr-04	11.4	490	<10	22.7	998	516	2.4			<0.010	84	68.6	14	136	0.01	<0.05	<3				<1	<1
MW-223D	Jun-05	17.5	38.2	35.3	<5.0	718	109	11.9			<0.010	495	95	15	360	0.01	<0.05	<3				<1	<1
MW-223D	Sept-06	11.9	490	10	15	186	600	3.7			<0.010	310	100	3	540	0.01	<0.05	<3				<1	<1
MW-223D	Dec-07	10.2	530	12	18	1060	610	2.9			<0.010	-102	49	7.7	161	0.36	0.07	<2				0.58	<0.1
MW-223D	Aug-09	15.9	108	4	8	366	141	1.7			<0.010	-102	49	7.7	161	0.36	0.07	<2				0.58	<0.1

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umho/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field) (S.U.)	Phenols (mg/l)	Eh (mV)	SO ₄ (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ (mg/l)	BOD ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
Class 04 Groundwater Quality Standard and Guidance Values																							
MW-303D	Nov-94	11.5	206	21.7	230	1073	214	8	8.38	9.58	<0.010	-29.5	156	12	772	0.48	0.36	<2.0		8.3	8.4	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		0.5	0.5	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	753	0.2	0.26	<2		0.2	0.2	<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	753	0.37	<0.05	<2		<0.004	<0.004	<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	748	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	Nov-96	12	190	14	200	1350	250	<1	7.6	<0.002	84	120	120	33	750	0.1	<0.02	<4				7.4	2.1
MW-303D	Sept-96	11.7	370	15	190	1400	160	1.6	7.9	<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	728	0.21	<0.02	<4				0.74	<2
MW-303D	March-97	9.5	220	11	271	1490	170	1.3	7.96	<0.002	85	120	120	30	748	0.078	0.057	<4	10	<0.01	<0.01	0.95	2.1
MW-303D	June-97	12.5	240	<2	220	1290	150	1.4	7.11	<0.002	555	120	120	<1	750	<0.03	0.07	<4				0.95	<2
MW-303D	Sept-97	14	260	28	190	1200	170	2	7.63	<0.002	-60	120	120	45	770	0.22	0.029	<4				0.61	<2
MW-303D	Dec-97	11.3	310	7	190	1320	170	1.5	7.84	<0.002	-20	120	120	45	758	0.2	0.054	<4				0.61	<2
MW-303D	Mar-98	10.7	260	1	210	1280	190	1.1	7.67	<0.002	-100	120	120	45	758	0.21	<0.02	<4				0.74	<2
MW-303D	June-98	16	240	<3	250	1180	180	1.3	7.09	<0.002	-65	110	110	106	758	0.25	0.064	<4				0.84	<1
MW-303D	Sept-98	12.7	240	8.8	220	1220	210	1.8	6.95	<0.002	-60	140	140	119	818	0.19	0.031	<4				0.64	<1
MW-303D	Dec-98	11.1	220	<1	240	1150	230	1.6	7.92	<0.002	20	110	110	82	738	0.35	0.042	<4				0.74	<2
MW-303D	Apr-99	10.4	210	<1	200	1320	180	1.4	7.6	<0.002	10	110	110	212	718	0.35	0.028	<4				0.9	1.9
MW-303D	Jun-99	11.8	220	4.1	190	1240	260	1.2	7.2	<0.002	245	98	98	206	680	0.47	0.028	<4				1	1.5
MW-303D	Sept-99	14.4	280	11	140	1170	270	1.8	7.2	<0.002	40	110	110	247	660	0.60	0.43	<4	3	<0.01	<0.01	0.87	1.6
MW-303D	Dec-99	10.9	260	6.7	150	1180	230	1.6	7.66	<0.004	-102	97	97	59	670	0.679	<0.05	3	<0.01	<0.01	<0.01	1.64	2.09
MW-303D	Mar-00	10.2	271	<10	174	1160	203	1.6	7.68	<0.004	-113	92	92	18.8	682	0.552	0.058	4				2.3	<1
MW-303D	Apr-00	14.5	246	<10	180	910	198	1.5	8.03	<0.004	-83	110	110	13	651	0.578	<0.05	3				1	1.17
MW-303D	Sept-00	11.8	243	<10	152	1187	221	1.9	7.54	<0.003	-121	110	110	3.5	650	0.607	0.134	4				1	<1
MW-303D	Mar-01	9.9	257	<10	168	1164	187	1.3	7.48	<0.004	-117	113	113	8	670	0.534	<0.1	<3				1.35	1.7
MW-303D	Jun-01	10.5	267	<10	188	1211	177	3.3	7.96	<0.004	-123	100	100	2.55	677	0.737	<0.1	<3				1.68	1.53
MW-303D	Sept-01	15.6	263	<10	148	1225	204	1.4	7.82	<0.004	-107	95.8	95.8	6.51	677	0.814	<0.1	<3				1.4	<1
MW-303D	Dec-01	10.3	253	<10	148	1157	189	1.6	7.95	<0.004	-87	103	103	5.9	628	0.385	0.239	<3				<1	1.34
MW-303D	Mar-02	10.8	254	<10	135	1064	195	1.1	7.75	<0.004	-54	103	103	5.9	672	0.434	0.239	<3				<1	1.65
MW-303D	Jun-02	13.3	250	<10	154	1077	193	2	8.09	<0.004	-54	91.9	91.9	27.9	672	0.985	<0.1	<3				<1	1.59
MW-303D	Sept-02	12.2	283	<10	131	1023	199	1	7.71	<0.004	-90.6	103	103	5.7	676	1.15	<0.1	<3				1.14	1.57
MW-303D	Dec-02	10.7	287	<10	164	1102	215	1.1	7.59	<0.004	-26	102	102	9.7	701	0.94	<0.1	<3				<1	1.76
MW-303D	Apr-04	12.4	220	<10	45.6	1205	191	1.7	8.01	<0.010	109	127	127	18	720	<1.00	0.37	<4.00	15	<0.005	<0.01	<1.00	2.85
MW-303D	Jun-05	16.2	214	20.5	180	664	197	1.74	7.79	<0.010	737	110	110	0	660	<1.00	0.44	<4.0	30	<0.010	<0.010	0.41	1.7
MW-303D	Sept-06	22.3	200	12	180	258	180	1.8	7.79	<0.010	737	110	110	7	660	0.37	<0.1	<4.0	15	<0.010	<0.010	1.1	<0.1
MW-303D	Dec-07	10.3	280	10	150	1150	240	1.8	7.32	<0.002	-10	95.1	95.1	59.6	618	0.58	0.08	<2				0.73	1.5
MW-303D	Aug-09	16.72	286	56	135	1530	189	1.4	8.05	<0.010	-10	95.1	95.1	59.6	618	0.58	0.08	<2				0.73	1.5

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 (umho/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field) (S.U.)	Phenols (mg/l)	Et ⁻ (mV)	SO ₄ ⁼ (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₂ ⁻ (mg/l)	BOD ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+4 (mg/l)	TKN (mg/l)	Bromide (mg/l)
Camp GS - Groundwater Quality Standards and Guidelines Values																							
MW-303S	Nov-94	13.5	743	39.1	45	907	1030	30	6.38	6.38	0.02	74.1	118	460	936	2.39	0.31	<2.0		0.2	0.2	2.05	2.85
MW-303S	March-95	10.5	682	20	37	664	874	<1	6.5	<0.010	7.5	125	120	265	882	1.04	0.2	<2		1.04		1.17	0.3
MW-303S	June-95	11.5	590	60.5	55	625	647	<1	6.44	<0.010	6.33	-63.3	148	465	900	2.09	0.14	<2		0.14		3.3	0.2
MW-303S	Sept. - 95	12.5	869	29.2	56	530	684	<1	6.63	<0.010	6.04	-60.4	119	2600	562	4.47	<0.05	4		<0.004		3.15	0.5
MW-303S	Nov-95	11	694	32.6	33	493	632	<1	6.52	<0.010	39.3	-39.3	130	300	900	0.97	<0.05	8	15	<0.004	<0.01	1.26	<0.2
MW-303S	April-96	8.7	690	30	38	1770	920	<1	6.5	<0.002	90	36	130	>900	900	0.81	0.03	23	500	<0.01	<0.01	1.6	2.2
MW-303S	June-96	11.4	650	43	5	1440	680	2.6	6.31	<0.002	36	-15	120	>900	580	2	<0.02	10				9.7	<2
MW-303S	Sept-96	13.1	1000	7.8	13	1600	730	21	6.43	<0.002	15	130	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	280	310	7.6	<0.02	11				9	<2
MW-303S	March-97	9	710	17	27	1650	660	3.8	6.51	<0.002	40	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	76	87	>999	860	4.6	<0.02	<4				7.6	<2
MW-303S	Sept-97	14	700	21	32	1300	820	4.7	6.51	<0.002	35	86	86	>999	830	11	<0.02	9.8				13	<2
MW-303S	Dec-97	11	1200	47	27	1460	950	4.9	6.52	<0.002	85	100	100	>999	830	5.9	<0.02	9.8				8	<2
MW-303S	March-98	10.2	860	15	22	1370	840	4.2	7.05	<0.002	75	51	51	819	1610	5.7	0.024	11				8	<1
MW-303S	June-98	15.8	640	<3	12	1120	650	3.9	6.64	<0.002	35	45	45	>999	780	7.1	<0.02	8.9				7.5	<1
MW-303S	Sept-98	13.2	750	30	16	1260	980	4.8	6.8	<0.002	45	27	27	942	710	8.1	<0.02	7.8				8	<1
MW-303S	Dec-98	9.6	630	160	20	1240	1400	4.9	6.8	<0.002	45	27	27	>999	780	5.4	<0.02	20				5.8	<0.1
MW-303S	Apr-99	10.5	630	13	30	1380	920	4.1	7.48	<0.002	75	81	81	>999	740	6.6	<0.02	15				8.1	<0.1
MW-303S	June-99	12.6	620	23	28	1280	1100	4.1	7.02	<0.002	65	98	98	>999	830	6.8	<0.02	12				8.9	0.23
MW-303S	Sept-99	14.6	660	20	24	1320	1200	4.2	6.19	<0.002	45	94	94	>999	760	7.4	<0.02	12				9	0.23
MW-303S	Dec-99	12	660	25	26	1410	1100	3.8	8.02	<0.002	29	89	89	60	773	4.36	<0.05	4				5.46	<1
MW-303S	Apr-00	9.7	636	<10	19.2	1240	653	3.2	6.81	<0.002	34	30	30	121	690	4.31	<0.05	6				4.55	<1
MW-303S	June-00	14.7	566	13.5	22	875	611	3.6	6.93	<0.002	43	12	12	29	616	3.9	<0.05	<3				3.96	<1
MW-303S	Sept-00	11.2	598	17.5	16.7	1136	543	3.6	6.77	<0.004	43	12	23	3.8	669	4.69	<0.05	<3				4.69	<1
MW-303S	Dec-00	10.4	637	<10	18.4	1206	625	<1	7	<0.004	40	48	48	6.7	635	4.23	<0.05	5				3.68	<1
MW-303S	Mar-01	9.7	640	<10	19.9	1221	585	4.2	6.65	<0.004	74	25.5	5.5	5.5	640	4.38	<0.1	4				5.04	<1
MW-303S	June-01	14.5	594	10.6	23	1226	559	5.9	6.89	<0.004	40	48	48	6.7	635	4.23	<0.1	4				5.04	<1
MW-303S	Sept-01	14.3	576	<10	21.7	1142	528	3	6.89	<0.004	40	48	48	6.7	635	4.23	<0.1	4				5.04	<1
MW-303S	Dec-01	12.1	589	12.6	22.1	1245	587	2.8	6.91	<0.004	40	48	48	6.7	635	4.23	<0.1	4				5.04	<1
MW-303S	Mar-02	10.9	748	<10	23.8	1185	597	3.1	6.79	<0.004	48	41.2	8.63	24.9	686	4.46	<0.1	<3				4.11	<1
MW-303S	June-02	12.6	607	<10	23.8	1226	587	4	7.04	<0.004	71	32.5	5.7	712	5.14	4.96	<0.1	<3				3.32	<1
MW-303S	Sept-02	14	582	<10	21.6	1023	580	3.3	7	<0.004	86.3	21.3	4.15	5.7	710	4.86	<0.1	4				5.18	<0.1
MW-303S	Dec-02	11.8	584	10.2	19.7	1157	564	3.3	6.76	<0.004	82	11.9	10	10	588	4.32	<0.1	4				4.74	<1
MW-303S	Apr-04	10.4	483	11	10.2	927	446	3.9	7.24	<0.004	104	82	<5.0	2.2	532	1.75	<0.1	5	<5	<0.005	<0.01	4.13	<1
MW-303S	June-05	17.4	476	35.3	7.7	904	447	4.42	7.25	<0.010	82	<5.0	3.7	31	519	<1.00	0.68	14.2	40	<0.010	<0.010	1.32	<1.00
MW-303S	Sept-06	16	490	17	10	237	436	5.3	6.94	<0.010	534	95	<5.0	3.7	500	1.4	<0.25	17	750	<0.010	<0.010	1.7	<1.0
MW-303S	Dec-07	11.1	520	18	15	854	560	4.8	6.45	<0.003	95	17	24	24	500	0.44	<0.1	6.9	100	<0.01	<0.01	1.2	<0.1
MW-303S	Aug-09	15.71	438	4	40	756	399	3.8	7.52	<0.010	-108	-108	<5	117	494	0.86	0.06	6	5	<0.005	<0.004	1.85	<0.1

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

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field) (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)
City of Grand Rapids - Quality Standards and Guidance Values																							
MW-304D	Nov-94	11.5	598	8.7	70	835	379	22	6.89	6.89	0.010	54.3	61.7	26	604	1.38	0.18	<2.0	25	<0.004	<0.01	1.02	1.6
MW-304D	March-95	11	569	10	66	512	722	3	8.88	8.88	<0.010	99.6	58.8	33	793	2.41	0.22	<2	100	<0.004	<0.01	1.17	1.6
MW-304D	June-95	13	577	14	50	574	528	<1	6.79	6.79	<0.010	-74.2	63.4	62	844	1.75	0.24	<2	100	<0.004	<0.01	1.68	1.1
MW-304D	Nov-95	10.5	552	12.5	66	495	568	17	6.85	6.85	<0.010	-87.8	58.4	45	818	2.13	<0.05	<2	25	<0.004	<0.01	1.28	0.8
MW-304D	April-96	10	570	7.8	69	1380	770	2.9	7.1	7.1	<0.010	-54.5	51.6	64	760	1.15	<0.05	<2	100	<0.004	<0.01	1.21	0.4
MW-304D	June-96	11.7	540	26	52	1260	770	2.1	6.8	6.8	0.003	55	65	72	720	1.1	0.022	<4	100	<0.004	<0.01	2.2	1.9
MW-304D	Sept-96	12.2	530	2.8	50	1200	430	2.3	6.7	6.7	<0.002	460	67	29	740	1.1	0.022	<4	100	<0.004	<0.01	2.2	<2
MW-304D	Nov-96	10.1	250	<1	66	691	320	2.3	7.46	7.46	<0.002	25	100	22	500	0.61	<0.02	<4	15	<0.004	<0.01	1.2	<2
MW-304D	March-97	8.9	590	19	58	1320	460	4	7	7	<0.002	10	66	127	690	0.85	<0.02	<4	15	<0.004	<0.01	1.8	<2
MW-304D	June-97	12.7	670	<1	50	1160	490	3.2	6.88	6.88	<0.002	125	74	<1	770	1.3	<0.02	<4	15	<0.004	<0.01	2.2	<2
MW-304D	Sept-97	12.8	590	<1	56	1100	460	3.4	7.2	7.2	0.002	25	47	47	700	1.2	0.24	<4	100	<0.004	<0.01	0.71	<2
MW-304D	Dec-97	10.9	530	<1	52	1110	480	3.1	7.21	7.21	<0.002	-5	63	48	700	1.2	<0.02	<4	100	<0.004	<0.01	1.4	<2
MW-304D	Mar-98	11	490	2.2	58	1040	430	2.7	7.41	7.41	<0.002	-85	51	113	650	1.2	<0.02	<4	100	<0.004	<0.01	1.9	<2
MW-304D	June-98	15.4	540	3.6	47	1070	460	3.4	6.5	6.5	<0.002	-85	51	40	620	0.91	0.09	<4	35	<0.004	<0.01	2.2	<1
MW-304D	Sept-98	11.9	370	16	53	853	430	2.8	6.95	6.95	<0.002	230	45	110	350	0.61	<0.02	<4	100	<0.004	<0.01	1.2	<1
MW-304D	Dec-98	11.1	190	<1	89	620	290	1.3	7.18	7.18	<0.002	110	66	122	360	0.092	0.06	4.2	100	<0.004	<0.01	0.38	<1
MW-304D	Apr-99	11.3	410	<1	62	1100	380	3	7.03	7.03	<0.002	-85	55	149	620	1.5	<0.02	<4	100	<0.004	<0.01	1.6	0.54
MW-304D	Jun-99	12.7	520	7.6	54	1070	580	2.7	7.02	7.02	<0.002	-5	52	133	620	1.5	<0.02	<4	100	<0.004	<0.01	2	0.42
MW-304D	Sept-99	12.7	520	12	52	1090	530	3.1	6.75	6.75	<0.002	10	46	124	620	1.3	<0.02	<4	100	<0.004	<0.01	1.8	0.5
MW-304D	Dec-99	10.8	420	6.6	58	1010	460	2.3	6.5	6.5	<0.002	45	51	215	620	0.93	<0.02	<4	100	<0.004	<0.01	1.3	0.52
MW-304D	Apr-00	10.6	444	13.2	55.2	960	454	3.1	7.07	7.07	<0.004	-69	53	31	620	0.92	<0.02	<4	100	<0.004	<0.01	1.56	<1
MW-304D	Jun-00	13.8	358	<10	53.6	725	358	2.5	7.29	7.29	<0.004	-97	34	28.2	370	1.56	<0.05	<3	100	<0.004	<0.01	1.64	<1
MW-304D	Sept-00	11.2	402	<10	50.3	904	365	1.6	7.07	7.07	<0.004	-71	34	12	473	1.33	0.745	<3	100	<0.004	<0.01	1.64	<1
MW-304D	Dec-00	10.1	233	<10	48.9	697	241	1.2	7.62	7.62	0.007	-29	43	5.9	609	0.33	<0.05	<3	100	<0.004	<0.01	1.17	<1
MW-304D	Mar-01	11.1	510	<10	47	1155	491	3.8	7.07	7.07	0.003	-56	33	3.8	618	1.88	<0.05	<3	100	<0.004	<0.01	1.07	<1
MW-304D	Jun-01	12.3	257	<10	30.3	1019	419	5.7	7	7	<0.004	-43	45	19	539	1.88	<0.05	<3	100	<0.004	<0.01	2.69	<1
MW-304D	Sept-01	12.9	233	<10	57.2	736	341	1.5	7.41	7.41	<0.004	-86	51.5	23.3	444	0.701	<0.01	<3	100	<0.004	<0.01	1.01	<1
MW-304D	Dec-01	11.1	196	<10	65.3	714	257	<1	7.16	7.16	<0.004	-100	57	5.3	385	0.296	<0.01	<3	100	<0.004	<0.01	<1	<1
MW-304D	Mar-02	9.7	178	<10	65.5	556	243	<1	7.31	7.31	<0.004	-72	60	7.7	383	0.329	<0.01	<3	100	<0.004	<0.01	<1	<1
MW-304D	Jun-02	12.7	242	<10	61.5	723	316	1.9	7.31	7.31	<0.004	-72	59.9	10.7	406	0.897	<0.01	<3	100	<0.004	<0.01	1.14	<1
MW-304D	Sept-02	12.2	169	<10	58.6	648	225	1.6	7.56	7.56	<0.004	88.6	52	3.19	400	0.384	<0.01	<3	100	<0.004	<0.01	<1	<1
MW-304D	Dec-02	10	212	<10	69.6	9.5	224	1.1	7.76	7.76	0.004	-47	63.5	26.12	372	0.166	<0.01	<3	100	<0.004	<0.01	<1	<1
MW-304D	Apr-04	12.1	162	<10	55.2	613	202	1.2	7.64	7.64	<0.004	41	55.1	3.7	383	0.171	<0.01	<3	100	<0.004	<0.01	<1	<1
MW-304D	Jun-05	19.8	149	<10.0	58	570	216	1.31	8.47	8.47	<0.010	135	61.6	9	472	1.68	<0.25	<4.00	100	<0.010	<0.010	<1.00	<2.00
MW-304D	Sept-06	13	210	12	52	279	340	3.3	7.73	7.73	<0.010	481	170	0.24	560	1.3	<0.01	<4.0	100	<0.010	<0.010	1.9	<1.0
MW-304D	Dec-07	9.2	380	120	43	970	460	3	6.68	6.68	<0.003	110	15	195	460	1.1	<0.01	<4.0	100	<0.003	<0.003	1.6	<0.1
MW-304D	Aug-09	14.3	380	62	45	724	383	2.6	6.98	6.98	<0.010	-88	31.6	42.5	474	1.42	<0.05	<4	15	<0.005	<0.004	1.54	<0.1

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

Mixing 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)	Phos (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 C Groundwater Quality Standards and Guidance Values																							
MW-304S	Nov-94	12	852	30.4	29	893	404	33	6.75	6.83	0.013	69.1	77	660	884	0.49	0.37	<2.0	15	<0.01	0.49	1.53	4.9
MW-304S	Nov-95	10.5	814	20	25	657	966	3	6.73	6.73	0.010	101.7	82.5	530	904	0.33	0.31	<2	15	<0.01	0.36	0.56	<0.2
MW-304S	June-96	12.5	606	18.6	29	657	718	<1	6.57	6.57	0.010	-77.7	89.4	380	844	0.37	0.25	<2	15	<0.01	0.69	0.69	<0.2
MW-304S	Sept-96	11.5	806	45.8	30	497	846	<1	6.84	6.84	0.010	-80.1	89.4	1500	920	0.4	0.06	<2	15	<0.01	1.09	0.5	0.5
MW-304S	Nov-96	10	772	12.2	28	516	669	<1	6.85	6.85	0.010	-41.7	87.3	550	873	0.1	0.08	<2	15	<0.01	<0.004	<0.01	<0.1
MW-304S	April-96	10.1	800	75	30	1300	590	3.7	6.8	6.8	0.002	45	83	220	870	0.24	0.02	<4	15	<0.01	<0.01	<0.01	3.1
MW-304S	June-96	11.6	700	16	14	1480	590	2.8	6.7	6.7	0.004	70	52	>900	900	0.14	0.02	<4	15	<0.01	<0.01	5.1	<2
MW-304S	Sept-96	12.1	590	130	28	1400	730	2.8	6.5	6.5	0.002	402	45	24	860	0.23	0.02	<4	15	<0.01	<0.01	0.77	<2
MW-304S	Nov-96	10.4	710	60	23	1440	900	5.3	6.7	6.7	0.002	-5	90	171	860	0.066	0.02	<4	15	<0.01	<0.01	0.59	<2
MW-304S	March-97	10	750	21	45	1450	730	7	6.6	6.6	0.002	45	130	>999	900	0.12	0.02	<4	15	<0.01	<0.01	1.1	<2
MW-304S	June-97	12.5	770	<1	29	1340	1100	4	6.9	6.9	0.002	25	45	140	1700	0.29	0.02	<4	15	<0.01	<0.01	0.78	<2
MW-304S	Sept-97	12.8	780	40	25	1200	990	4	6.95	6.95	0.002	-30	71	>999	870	0.24	0.02	<4	15	<0.01	<0.01	0.56	<2
MW-304S	Mar-98	10.3	750	19	26	1300	910	5.2	7.2	7.2	0.002	110	52	>999	900	0.26	0.02	<4	15	<0.01	<0.01	0.91	<2
MW-304S	June-98	14.8	830	14	20	1260	770	3.8	6.88	6.88	0.002	-75	40	>999	750	0.23	0.02	<4	15	<0.01	<0.01	0.68	<2
MW-304S	Sept-98	12.3	730	130	20	1240	1400	4.7	6.43	6.43	0.002	-65	28	>999	830	0.26	0.02	<4	15	<0.01	<0.01	0.61	<2
MW-304S	Dec-98	10.9	650	110	13	1210	1300	4.2	6.46	6.46	0.002	-50	20	>999	750	0.21	0.02	<4	15	<0.01	<0.01	0.51	<2
MW-304S	Apr-99	11.7	590	34	26	1340	1300	4.6	7.27	7.27	0.002	-80	37	>999	770	0.39	0.02	<4	15	<0.01	<0.01	0.95	<2
MW-304S	June-99	11.5	680	31	24	1270	1300	3.9	6.74	6.74	0.002	-10	29	>999	750	0.33	0.02	<4	15	<0.01	<0.01	0.99	<2
MW-304S	Sept-99	12.7	720	34	25	1220	1200	4	6.51	6.51	0.002	15	29	>999	770	0.27	0.02	<4	15	<0.01	<0.01	0.94	<2
MW-304S	Dec-99	10.9	780	29	25	1260	1300	4	8.17	8.17	0.002	75	24	>999	750	0.28	0.02	<4	15	<0.01	<0.01	0.96	<2
MW-304S	Mar-00	10.6	688	12.5	27.6	1210	830	3.7	6.94	6.94	0.004	-81	26	19	750	0.383	0.05	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Apr-00	12.8	668	<10	25.8	925	675	3	7.12	7.12	0.004	-97	11	13.3	730	0.51	0.05	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Sept-00	10.7	639	<10	25	1258	713	3.9	7	7	0.004	-51	9	35	720	0.492	0.05	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Dec-00	10.6	671	<10	24.6	1215	653	<1	7.02	7.02	0.004	-45	11	35	697	0.439	0.05	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Mar-01	11.3	528	<10	24.5	1225	583	4.4	6.78	6.78	0.004	-78	5.21	27	691	0.479	0.05	<3	1500	<0.01	<0.01	<1	<1
MW-304S	June-01	12.4	650	11.2	26.6	1229	621	5.8	6.87	6.87	0.004	-60	<5	15	691	0.528	0.1	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Sept-01	12.9	519	<10	25.9	1227	624	2.9	6.8	6.8	0.004	-12	39.5	0.8	712	0.528	0.1	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Mar-02	11.4	640	<10	27.4	1205	641	2.8	7.01	7.01	0.004	-48	8.33	2.4	689	0.589	0.1	<3	1500	<0.01	<0.01	<1	<1
MW-304S	June-02	12.7	674	<10	25.1	1006	629	3.1	6.91	6.91	0.004	-62.4	<5	0.97	701	0.701	0.1	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Sept-02	12.1	654	<10	27.4	1173	594	2.6	6.91	6.91	0.004	-48	5.91	10	718	0.734	0.1	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Dec-02	6.9	630	<10	31	1196	608	3	6.87	6.87	0.004	38	<5.0	2	660	0.701	0.1	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Apr-04	12.1	569	<10	26.1	1116	503	3.6	7.25	7.25	0.004	173	9.48	30	618	<1.00	0.6	<4.00	1500	<0.01	<0.01	<1	<1
MW-304S	June-05	17.4	536	26.4	28	851	569	7.04	7.35	7.35	0.010	624	12	11	560	<1.00	0.42	6	1500	<0.01	<0.01	<1	<1
MW-304S	Sept-06	17.9	490	15	18	218	500	4.6	7.41	7.41	0.010	80	<1	244	510	0.25	<0.1	4.1	1500	<0.01	<0.01	<1	<1
MW-304S	Dec-07	10.5	530	22	18	950	540	5.1	6.66	6.66	0.003	80	<1	344	510	0.25	<0.1	4.1	1500	<0.01	<0.01	<1	<1
MW-304S	Aug-09	14.44	432	62	54	756	481	3.9	7.25	7.25	0.010	-95	5.01	348.2	548	0.45	<0.05	5	1500	<0.01	<0.01	<1	<1

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

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Caud (lambos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field)	Phenols (mg/l)	En (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	C+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
Client QA/QC Groundwater Quality Standards and Guidance Values																							
MW-304VS	Nov-04	12.5	658	34.8	400	1176	983	24	6.81	<0.010	188.1	85.2	1800	1544	1544	0.25	0.09	6.2	10	<0.004	<0.01	0.69	<1.0
MW-304VS	March-05	9	828	45	840	971	1600	4.5	6.71	<0.010	124.7	85.8	860	2440	2440	0.31	0.24	5	10	<0.004	<0.01	0.84	<1.0
MW-304VS	June-05	15	448	46.5	740	895	478	<1	6.64	<0.010	7.4	66.3	540	2300	2300	0.2	0.26	<2	10	<0.004	<0.01	1.90	<1.0
MW-304VS	Sept.-05	17.5	567	33.3	485	822	719	<1	6.57	<0.010	63.2	65.4	1300	1400	1400	0.21	0.07	<2	10	<0.004	<0.01	0.69	<1.0
MW-304VS	Nov-05	8.5	368	32.6	353	721	543	<1	6.79	<0.010	113.5	72	770	1160	1160	0.03	<0.05	<2	10	<0.004	<0.01	2.6	<1.0
MW-304VS	April-06	5.1	590	120	11	1720	600	6.4	7.4	<0.002	135	61	>900	890	890	0.17	0.022	5.4	750	<0.01	<0.01	2.6	<1.0
MW-304VS	June-06	14.7	440	150	220	1580	500	5	7	<0.002	170	79	>900	890	890	0.094	<0.02	4	10	<0.01	<0.01	0.72	<1.0
MW-304VS	Sept-06	16.8	550	100	180	2200	670	4.8	6.8	<0.002	388	<200	24	920	920	0.12	<0.02	<4	10	<0.01	<0.01	1.7	<1.0
MW-304VS	Nov-06	9.6	480	63	190	1780	630	5.8	6.97	<0.002	165	11	290	50	50	0.14	<0.02	<4	10	<0.01	<0.01	0.71	<1.0
MW-304VS	March-07	4.7	400	55	600	2780	670	3.9	7.1	<0.002	70	61	50	>999	2800	0.076	0.27	4	10	<0.01	<0.01	1.4	<1.0
MW-304VS	June-07	14.8	480	<1	838	3390	1400	4.6	6.77	<0.002	190	120	120	>999	2800	0.19	0.098	<4	10	<0.01	<0.01	0.83	<1.0
MW-304VS	Sept-07	16.5	740	21	480	2500	1200	5.2	7.05	<0.002	200	42	840	790	790	0.13	<0.02	<4	10	<0.01	<0.01	1.4	<1.0
MW-304VS	Dec-07	9.1	450	<1	280	2230	1100	5.9	7.75	<0.002	345	45	42	>999	1300	0.11	0.025	<4	10	<0.01	<0.01	1.4	<1.0
MW-304VS	Mar-08	5.2	490	13	340	1920	670	4.7	7.75	<0.002	345	45	42	>999	1300	0.11	0.025	<4	10	<0.01	<0.01	1.4	<1.0
MW-304VS	June-08	16.8	550	17	250	1490	580	4.9	6.65	<0.002	-15	28	>999	800	800	0.2	0.052	<4	10	<0.01	<0.01	1	<1.0
Location Not Sampled																							
MW-304VS	Sept-08	10.2	430	93	270	1300	840	5	7.01	<0.002	25	23	>999	800	800	0.049	0.1	<4	10	<0.01	<0.01	0.63	<1.0
MW-304VS	Dec-08	8	410	9.1	140	1240	540	4.5	6.87	<0.002	180	45	913	740	740	0.032	<0.02	<4	10	<0.01	<0.01	0.58	<1.0
MW-304VS	Apr-09	13.1	460	18	110	1220	680	4.7	7.33	<0.002	140	43	390	660	660	0.22	0.03	<4	10	<0.01	<0.01	1.3	<1.0
MW-304VS	Jun-09	17.1	440	15	250	1390	530	4.7	6.30	<0.002	5.45	42	>999	940	940	0.22	0.048	<4	10	<0.01	<0.01	0.78	<1.0
MW-304VS	Sept-09	9.1	400	19	180	1390	760	4.2	6.30	<0.002	340	39	>999	940	940	0.076	0.036	<4	10	<0.01	<0.01	0.99	<1.0
MW-304VS	Dec-09	9.1	365	70.8	748	275	890	4.9	7.03	<0.004	-33	64	15	1800	1800	0.344	0.057	6	10	<0.01	<0.01	1.1	<1.0
MW-304VS	Apr-00	7.8	326	<10	753	2200	982	4	7.3	<0.004	68	43	13.4	13.4	2110	0.403	<0.05	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Jun-00	16.7	383	30.1	969	2450	630	9.1	7.03	<0.004	28	45	19	1700	1700	0.347	<0.05	<3	10	<0.01	<0.01	2.26	<1.0
MW-304VS	Sept-00	15.6	376	<10	82.8	2850	535	8.2	7.32	<0.004	30	54	3.7	1700	1700	0.3	<0.05	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Dec-00	6	376	<10	82.8	2850	535	8.2	7.32	<0.004	30	54	3.7	1700	1700	0.3	<0.05	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Mar-01	5.1	361	10.1	409	1888	427	4.8	7.27	<0.004	32	37.5	7.7	1700	1700	0.25	<0.05	6	10	<0.01	<0.01	1.68	<1.0
MW-304VS	Jun-01	15.7	378	12.9	479	2120	510	7	7.22	<0.004	41	35	4.85	7.7	1700	0.496	<0.1	6	10	<0.01	<0.01	2.69	<1.0
MW-304VS	Sept-01	18.5	313	<10	345	1980	699	3.9	7.14	<0.004	41	35	9.63	9.63	1040	0.16	<0.1	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Dec-01	10.5	386	<10	380	1809	518	3.6	7.47	<0.004	20	35	35	9.63	1040	0.283	<0.1	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Mar-02	5.2	413	<10	344	1434	465	4.6	7.32	<0.004	75	30.1	350	550	1000	0.373	<0.1	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Jun-02	15.2	412	<10	344	1721	328	5.1	7.45	<0.004	16	28.9	5.9	6.63	945	0.155	<0.1	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Sept-02	18.3	403	<10	356	1421	371	4.1	7.46	<0.004	-110.7	29.9	6.63	945	945	0.267	<0.1	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Dec-02	7.8	386	<10	341	1427	467	3.8	7.5	<0.004	18	25.7	550	550	881	0.281	<0.1	<3	10	<0.01	<0.01	<1	<1.0
MW-304VS	Apr-04	11	371	12	150	1065	239	3.7	8.34	<0.004	130	23.8	163	163	635	0.281	<0.1	4	10	<0.01	<0.01	<1	<1.0
Sampling Location Dry																							
MW-304VS	Jun-05	30	320	59	30	254	500	5.3	7.43	<0.010	855	84	500	920	920	<1.0	<0.25	<4.0	1000	<0.010	0.016	1.6	<1.0
MW-304VS	Sept-05	20	420	25	630	2410	620	5.9	6.69	<0.003	285	14	1400	8	1400	<0.03	<0.01	<4.0	300	<0.01	<0.01	0.74	<1.0
MW-304VS	Dec-07	6.5	420	62	638	805	568	3.8	6.91	<0.010	-102	34.3	733	733	2054	0.22	<0.05	<24	10	<0.005	<0.004	2.07	<1.0
MW-304VS	Aug-09	15.31	396	62	638	805	568	3.8	6.91	<0.010	-102	34.3	733	733	2054	0.22	<0.05	<24	10	<0.005	<0.004	2.07	<1.0

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
PZ-1A	March-97																								
PZ-1A	June-97																								
PZ-1A	Sept-97																								
PZ-1A	Dec-97																								
PZ-1A	Mar-98																								
PZ-1A	June-98	0.19	<0.06	<0.01	<0.1	<0.01	<0.1	<0.01	88	<0.01	<0.01	<0.02	0.30	23	0.42	<0.0002	0.019	2	<0.05	<0.01	15	<0.03	<0.03	0.15	<0.01
PZ-1A	Sept-98																								
PZ-1A	Dec-98																								
PZ-1A	Apr-99																								
PZ-1A	June-99																								
PZ-1A	Sept-99																								
PZ-1A	Dec-99	<0.1	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	110	<0.01	<0.01	<0.01	<0.05	24	0.44	<0.0002	<0.01	2.2	0.0002	<0.01	17	<0.01	<0.01	<0.01	<0.01
PZ-1A	Apr-00	<0.075	<0.050	<0.002	0.046	<0.002	0.061	<0.0050	106	<0.010	<0.010	<0.017	<0.040	23.4	0.159	<0.0002	<0.012	1.82	<0.002	<0.010	17	<0.001	<0.010	<0.020	<0.001
PZ-1A	June-00																								
PZ-1A	Sept-00																								
PZ-1A	Dec-00																								
PZ-1A	Mar-01																								
PZ-1A	June-01	<0.075	<0.050	<0.002	0.046	<0.002	<0.048	<0.005	113	<0.010	<0.010	<0.017	0.097	24.6	0.177	<0.0002	<0.012	3.69	<0.002	<0.010	17.9	<0.001	<0.010	0.054	<0.001
PZ-1A	Sept-01																								
PZ-1A	Dec-01																								
PZ-1A	Mar-02																								
PZ-1A	June-02																								
PZ-1A	Sept-02	<0.075	<0.050	0.001	0.045	<0.002	0.056	<0.005	114	<0.010	<0.0100	<0.017	0.088	24.8	0.175	<0.0002	0.014	2.19	<0.001	<0.010	16.5	<0.001	<0.010	<0.020	<0.001
PZ-1A	Dec-02																								
PZ-1A	Apr-04	<0.1	<0.050	0.001	0.043	<0.002	0.062	<0.001	108	<0.002	<0.010	<0.017	0.13	23.5	0.143	<0.0002	<0.012	2.24	<0.001	<0.010	16.2	<0.001	<0.010	<0.020	<0.001
PZ-1A	June-05	0.0178	<0.0025	<0.0031	0.0091	<0.00040	0.0255	<0.00080	29.3	<0.00090	<0.0019	0.0034	0.0159	4.21	0.1319	<0.00016	0.0029	9.58	<0.0039	<0.0011	3.56	<0.0029	<0.002	0.0315	<0.0019
PZ-1A	Oct-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	110	<0.010	<0.010	<0.025	0.1	25	0.48	<0.0002	<0.040	<5	<0.010	<0.010	15	<0.010	<0.050	<0.020	<0.005
PZ-1A	Dec-07																								
PZ-1A	Aug-09	<0.02	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	110	<0.02	<0.02	<0.02	0.08	26	0.39	<0.001	<0.02	1.8	<0.02	<0.02	18	<0.02	<0.02	0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
PZ-4	March-97																								
PZ-4	June-97																								
PZ-4	Sept-97																								
PZ-4	Dec-97																								
PZ-4	Mar-98																								
PZ-4	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	150	<0.01	<0.01	<0.02	0.033	42	0.59	<0.0002	0.01	2.5	<0.05	<0.01	14	<0.03	<0.03	0.062	<0.01
PZ-4	Sept-98								180				0.15	40	3.85			3.1			14				0.013
PZ-4	Dec-98								130				<0.05	31	0.69			2.5			10				<0.01
PZ-4	Apr-99								170				0.077	38	0.84			2.4			18				<0.01
PZ-4	Jun-99								190				0.35	44	1			2.6			16				<0.01
PZ-4	Sept-99								180				<0.05	40	0.88			2.7			16				<0.01
PZ-4	Dec-99	<0.1	<0.01	0.004	<0.2	<0.01	<0.05	<0.01	170	<0.01	<0.01	<0.01	<0.05	40	0.88	<0.0002	<0.01	2.8	<0.01	<0.01	14	<0.01	<0.01	0.021	<0.01
PZ-4	Apr-00	<0.075	<0.050	0.004	0.027	<0.002	0.134	<0.0050	157	<0.010	<0.010	<0.017	<0.040	35	0.024	<0.0002	<0.012	2.06	<0.002	<0.010	18.3	<0.001	<0.010	<0.020	0.003
PZ-4	Jun-00							<0.0050	174				0.073	41.9	0.602			2.49			15.1				0.004
PZ-4	Sept-00							<0.005	176				0.198	42.2	0.782			2.95			15.7				<0.001
PZ-4	Dec-00							<0.005	169				<0.040	38.6	0.036			2.78			20.8				<0.001
PZ-4	Mar-01							<0.005	173				0.41	41.4	0.886			2.33			14.9				<0.001
PZ-4	Jun-01	<0.075	<0.050	0.01	0.026	<0.002	0.062	<0.005	189	<0.010	<0.010	<0.017	0.407	45.1	0.972	<0.0002	<0.012	2.71	<0.002	<0.010	14.6	<0.001	<0.010	0.029	<0.001
PZ-4	Sept-01							<0.005	158				0.351	37.8	0.805			2.18			12.6				0.002
PZ-4	Dec-01							<0.005	158				0.254	36.7	0.791			1.98			11.9				0.003
PZ-4	Mar-02							<0.005	188				0.259	41.6	0.938			2.38			16.2				0.001
PZ-4	Jun-02							<0.005	165				0.497	40.2	0.864			2.42			16.3				0.001
PZ-4	Sept-02	<0.075	<0.050	0.013	0.027	<0.002	0.074	<0.005	177	<0.010	<0.010	<0.017	0.418	42.4	0.903	<0.0002	<0.012	2.74	<0.001	<0.010	16.6	<0.001	<0.010	0.021	<0.001
PZ-4	Dec-02							<0.001	160				0.428	40.8	0.924			3.87			17.1				<0.001
PZ-4	Apr-04	<0.1	<0.050	0.014	0.028	<0.002	0.208	<0.001	161	<0.002	<0.010	<0.017	<0.0077	13.2	<0.0021	<0.00016	<0.0023	3.46	<0.001	<0.010	19.1	<0.001	<0.010	0.021	<0.001
PZ-4	Jun-05	0.0195	<0.0025	0.0038	0.0637	<0.00040	0.13	<0.00080	52.5	<0.00090	<0.0019	0.002	<0.0077	43	0.95	<0.0002	<0.0040	1.3	<0.0039	<0.0011	27	<0.0029	<0.002	0.0032	<0.0019
PZ-4	Oct-06	<0.200	<0.060	0.016	<0.200	<0.005	0.087	<0.005	180	<0.010	<0.030	<0.025	0.46	43	0.95	<0.0002	<0.0040	<5	<0.010	<0.010	20	<0.010	<0.050	<0.020	<0.005
PZ-4	Aug-09	0.16	<0.02	<0.02	0.06	<0.02	0.12	<0.02	187	<0.02	<0.02	<0.02	0.31	45	0.95	<0.001	<0.02	2.8	<0.02	<0.02	41	0.02	<0.02	0.1	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Cham Co GW Qual		0.005	0.005	1	0.005	1	0.005	1	0.005	0.05	0.05	0.2	0.5	35	0.5	0.002	0.1	0.05	0.05	0.05	20	0.002	0.002	2	0.025
State & Fed. Std.		0.003																							
PZ-11	March-97																								
PZ-11	June-97																								
PZ-11	Sept-97																								
PZ-11	Dec-97																								
PZ-11	Mar-98																								
PZ-11	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	150	<0.01	<0.01	<0.02	0.06	37	2.1	<0.0002	0.025	2.6	<0.05	<0.01	9.9	<0.03	<0.03	0.13	0.011
PZ-11	Sept-98	190				<0.01		<0.01					0.62	40	2.7			3.8	0.01		9.7				0.025
PZ-11	Dec-98					<0.01		<0.01	120				0.19	23	1.3			2.5			6.6				<0.01
PZ-11	Apr-99					<0.01		<0.01	170				3	35	2.4			2.5			12				<0.01
PZ-11	Jun-99					<0.01		<0.01	170				1.2	33	1.9			2.6			13				<0.01
PZ-11	Sept-99					<0.01		<0.01	170				2.7	31	2			2.7			13				<0.01
PZ-11	Dec-99	<0.1	<0.01	0.017	<0.2	<0.01	<0.5	<0.01	130	<0.01	<0.01	<0.01	0.01	24	1.3	<0.0002	<0.01	2.4	0.017	<0.01	11	<0.01	<0.01	0.017	<0.01
PZ-11	Apr-00	<0.075	<0.050	0.003	0.058	<0.002	<0.048	<0.0050	154	<0.010	<0.010	<0.017	0.08	29.9	1.99	<0.0002	<0.012	2.24	<0.002	<0.010	10.4	<0.001	<0.010	0.038	0.002
PZ-11	Jun-00					<0.0050		<0.0050	190				0.09	34.9	2.06			2.45			10.7				0.005
PZ-11	Sept-00					<0.005		<0.005	170				1.08	29.7	1.4			2.08			9.73				0.012
PZ-11	Dec-00					<0.005		<0.005	166				1.03	27.2	1.46			2.13			12.2				<0.001
PZ-11	Mar-01					<0.005		<0.005	138				<0.04	24.7	0.007			2			9.05				<0.001
PZ-11	Jun-01	<0.075	<0.050	<0.002	0.048	<0.002	<0.048	<0.005	159	<0.010	<0.010	<0.017	0.12	28.9	0.599	<0.0002	<0.012	2.8	<0.002	<0.010	11.2	<0.001	<0.010	0.051	<0.001
PZ-11	Sept-01					<0.005		<0.005	167				1.12	32	1.93			2.57			10.8				0.004
PZ-11	Dec-01					<0.005		<0.005	146				1.19	26.5	1.44			2.04			10				0.002
PZ-11	Mar-02					<0.005		<0.005	134				0.035	22.2	0.10			2.2			8.65				0.001
PZ-11	Jun-02					<0.005		<0.005	87.3				0.344	15.4	0.017			2.67			10.4				0.001
PZ-11	Sept-02	<0.075	<0.050	0.006	0.04	<0.002	<0.048	<0.005	116	<0.010	<0.0100	<0.017	0.099	20.1	0.08	<0.0002	0.013	2.77	<0.001	<0.010	10.7	<0.001	<0.010	0.037	<0.001
PZ-11	Dec-02					<0.001		<0.001	102				0.274	17.5	0.046			3.69			10.5				<0.001
PZ-11	Apr-04	<0.1	<0.050	0.006	0.035	<0.002	<0.048	<0.001	119	<0.002	<0.010	<0.017	1.32	19.8	0.053	<0.0002	<0.012	2.72	<0.001	<0.010	12.1	<0.001	<0.010	0.046	0.002
PZ-11	Jun-05	Sampling Location Dry																							
PZ-11	Oct-06	<0.200	<0.060	0.017	<0.200	<0.005	<0.050	<0.005	190	<0.010	<0.050	<0.025	7.5	31	3.3	<0.0002	<0.040	<5	<0.010	<0.010	13	<0.010	<0.050	<0.020	<0.005
PZ-11	Dec-07																								
PZ-11	Aug-09	<0.02	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	163	<0.02	<0.02	<0.02	0.22	30	2.8	<0.001	<0.02	3.7	<0.02	<0.02	13	<0.02	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

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TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Cs (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chas. Co. QTY Qual. SPS & Gold, Va.		0.005	0.005	0.005	1	0.005	1	0.005	1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
MW-207S	March-97																							
MW-207S	June-97																							
MW-207S	Sept-97																							
MW-207S	Dec-97																							
MW-207S	Mar-98																							
MW-207S	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	<1	<0.01	<0.01	<0.02		28	1.5		2.2			11				<0.01
MW-207S	Sept-98													34	1.5		3.5			12				0.005
MW-207S	Dec-98													32	1.5		<1	<0.05	<0.01	<0.2	<0.03	<0.03	0.055	<0.01
MW-207S	Mar-99													29	1.5		3.4			11				0.005
MW-207S	Apr-99													35	1.5		2.9			7.4				<0.01
MW-207S	Jun-99													40	1.5		2.2			12				<0.01
MW-207S	Sept-99													35	1.5		2.4			11				<0.01
MW-207S	Dec-99	<1	<0.01	0.005	<2	<0.01	<5	<0.01	180	<0.01	<0.01	<0.01		36	1.5		2.4			12				<0.01
MW-207S	Apr-00	<0.075	<0.050	0.005	0.142	<0.002	<0.048	<0.0050	176	<0.01	<0.01	<0.017		34.4	1.5		2.6	<0.01	<0.01	11	<0.01	<0.01	<0.01	<0.01
MW-207S	Jun-00													34.4	1.5		2.76	<0.002	<0.010	10.1	<0.001	<0.010	0.021	0.001
MW-207SA	Sept-00													32.7	1.5		2.65			10.4				0.012
MW-207SA	Dec-00													30.4	1.5		3.09			12.8				<0.001
MW-207SA	Mar-01													35.3	1.5		2.74			10				<0.001
MW-207SA	Jun-01	<0.075	<0.050	0.005	0.161	<0.002	<0.048	<0.005	190	<0.010	<0.010	<0.017		37.4	1.5		2.96	<0.002	<0.010	10.8	<0.001	<0.010	0.028	<0.001
MW-207SA	Sept-01													34.3	1.5		2.42			10.5				0.003
MW-207SA	Dec-01													37.7	1.5		2.48			10.1				0.011
MW-207SA	Mar-02													36.4	1.5		2.35			9.66				0.003
MW-207SA	Jun-02													35.3	1.5		2.41			10.6				<0.001
MW-207SA	Sept-02	<0.075	<0.050	0.005	0.189	<0.002	0.049	<0.005	195	<0.010	<0.0100	<0.017		38.7	1.5		2.51	0.001	<0.010	10.3	<0.001	<0.010	0.024	<0.001
MW-207SA	Dec-02													32.6	1.5		3.3			10.2				<0.001
MW-207SA	Apr-04	<0.1	<0.050	0.005	0.212	<0.002	<0.048	<0.001	164	<0.002	<0.010	<0.017		32	1.5		2.87	<0.001	<0.010	9.42	<0.001	<0.010	0.024	<0.001
MW-207SA	Jun-05	<0.0104	<0.0025	0.005	0.251	<0.0004	0.0319	<0.0008	172	<0.0009	0.0044	<0.0012		34.4	1.5		3.21	<0.0039	0.0014	9.36	0.004	<0.002	0.0051	0.0033
MW-207SA	Sept-06	<0.200	<0.060	0.011	0.3	<0.005	<0.050	<0.005	150	<0.010	<0.050	<0.025		31	1.5		<5	<0.010	<0.010	8.8	<0.010	<0.050	<0.020	<0.005
MW-207SA	Dec-07	0.11	<0.01	0.002	0.4	<0.01	<0.01	<0.01	150	<0.01	<0.01	<0.01		30	0.60		3.6	0.35	<0.01	10	<0.01	<0.01	0.026	<0.01
MW-207SA	Aug-09	<0.02	<0.02	<0.02	0.35	<0.02	<0.1	<0.02	147	<0.02	<0.02	<0.02		31	1.5		2.1	<0.02	<0.02	11	0.02	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-Bi (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chase EA GW Quail	Sept-8 & Oct-8 Yr.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
MW-207D	March-97																								
MW-207D	June-97																								
MW-207D	Sept-97																								
MW-207D	Dec-97																								
MW-207D	Mar-98																								
MW-207D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	120	<0.01	<0.01	<0.02	<0.05	24	0.72	<0.0002	0.013	2.5	<0.05	<0.01	7.5	<0.03	<0.03	0.092	<0.01
MW-207D	Sept-98								190				2.6	27	2.2			2			12				0.016
MW-207D	Dec-98								150				0.22	29	1.7			1.7			9.1				<0.01
MW-207D	Apr-99								160				1.4	32	1.2			1.6			15				<0.01
MW-207D	Jun-99								190				0.66	37	2.8			2			16				<0.01
MW-207D	Sept-99								180				1	33	3			1.9			14				<0.01
MW-207D	Dec-99	<1	<0.01	0.004	<2	<0.01	<5	<0.01	190	<0.01	<0.01	<0.01	0.03	38	2			2.3	<0.01	<0.01	13	<0.01	<0.01	<0.01	<0.01
MW-207D	Apr-00	<0.075	<0.050	0.002	0.031	<0.002	<0.048	<0.0050	129	<0.010	<0.010	<0.017	0.042	28.4	0.096			5.54	<0.002	<0.010	17	<0.001	<0.010	0.027	0.002
MW-207D	Jun-00							<0.0050	181				2.12	35.9	3.89			1.33			13.2				0.002
MW-207D	Sept-00							<0.005	184				2.13	35.8	1.9			1.5			12.3				<0.001
MW-207D	Dec-00							<0.005	192				2.56	38.1	2.13			1.64			14.8				<0.001
MW-207D	Mar-01							<0.005	179				2.24	33.9	1.96			1.2			10.9				<0.001
MW-207D	Jun-01	<0.075	<0.050	0.004	0.151	<0.002	<0.048	<0.005	184	<0.010	<0.010	<0.017	2.76	36.8	2.09			1.91	<0.002	<0.010	11.7	<0.001	<0.010	<0.020	<0.001
MW-207D	Sept-01							<0.005	179				2.44	36	2.1			1.27			11				0.003
MW-207D	Dec-01							<0.005	183				2.57	36.5	2.19			1.23			10.5				0.001
MW-207D	Mar-02							<0.005	181				2.57	33.8	2.17			1.17			9.36				<0.001
MW-207D	Jun-02							<0.005	163				2.5	33.3	2.09			1.14			10.7				0.001
MW-207D	Sept-02	<0.075	<0.050	0.004	0.123	<0.002	<0.048	<0.005	164	<0.010	<0.010	<0.017	2.64	33.4	2.08			1.27	<0.001	<0.010	9.63	<0.001	<0.010	<0.020	<0.001
MW-207D	Dec-02							<0.001	163				2.46	31.2	2.03			2.05			10.3				<0.001
MW-207D	Apr-04	<0.1	<0.050	0.004	0.114	<0.002	<0.048	<0.001	147	<0.002	<0.010	<0.017	2.23	30.3	1.97			1.31	<0.001	<0.010	10.1	<0.001	<0.010	<0.020	0.002
MW-207D	Jun-05	<0.0104	<0.0025	<0.0031	0.0149	<0.0040	0.0211	<0.0008	93.8	0.0011	<0.0019	<0.0012	0.013	28.1	0.038	<0.00016	<0.0023	8.74	<0.0039	<0.0011	20.1	<0.0029	<0.0020	0.0028	<0.0019
MW-207D	Sept-06	<0.200	<0.060	0.004	<0.200	<0.005	<0.050	<0.005	130	<0.010	<0.050	<0.025	2.3	27	1.9	<0.0002	<0.040	<5	<0.010	<0.010	8.8	<0.010	<0.050	<0.020	<0.005
MW-207D	Dec-07	<0.1	<0.01	0.007	<0.2	<0.01	<0.01	<0.01	120	<0.01	<0.01	<0.01	0.11	25	1.5	<0.0002	<0.01	2.5	<0.010	<0.01	13	<0.01	<0.01	0.037	<0.01
MW-207D	Aug-09	<0.02	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	108	<0.02	<0.02	<0.02	0.11	24	1.2	<0.001	<0.02	0.99	<0.02	<0.02	10	<0.02	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
MTW-220	March-97																								
MTW-220	June-97																								
MTW-220	Sept-97																								
MTW-220	Dec-97								160				0.26	43	0.97			2.3			18				<0.01
MTW-220	Mar-98								210				0.33	52	1.1			2.9			16				<0.01
MTW-220	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	250	<0.01	<0.01	<0.02	0.065	82	1.4	<0.0002	0.016	7.1	<0.05	<0.01	16	<0.03	<0.03	0.1	0.011
MTW-220	Sept-98								190				0.11	50	1			3.8			15				<0.01
MTW-220	Dec-98								160				<0.05	47	1.1			3.2			15				<0.01
MTW-220	Apr-99								240				0.34	62	1.6			2.9			17				<0.01
MTW-220	Jun-99								240				0.32	62	1.5			3.3			17				0.019
MTW-220	Sept-99								380				0.22	100	2.1			5.8			19				<0.01
MTW-220	Dec-99	<0.1	<0.01	<0.003	<0.2	<0.01	<0.5	<0.01	240	<0.01	<0.01	<0.01	0.17	62	1.6	<0.0002	<0.01	3.6	<0.01	<0.01	19	<0.01	<0.01	<0.01	<0.01
MTW-220	Apr-00	<0.075	<0.050	<0.002	0.053	<0.002	0.078	0.005	231	<0.010	<0.010	<0.017	0.286	30.3	1.69	<0.0002	<0.012	6.05	<0.002	<0.010	18.7	<0.001	<0.010	<0.020	<0.001
MTW-220	Jun-00							<0.0050	271				0.131	71.1	1.25			3.06			13.4				0.003
MTW-220	Sept-00							<0.005	190				0.232	49.1	1.15			2.53			11.8				<0.001
MTW-220	Dec-00							<0.005	250				0.088	73.2	0.773			3.19			16.6				<0.001
MTW-220	Mar-01							<0.005	189				0.311	48.5	1.19			2.33			16.8				<0.001
MTW-220	Jun-01	<0.075	<0.050	<0.002	0.038	<0.002	<0.048	<0.005	187	<0.010	<0.010	<0.017	0.241	48.3	1.12	<0.0002	0.014	2.85	<0.002	<0.010	12.4	<0.001	<0.010	<0.020	<0.001
MTW-220	Sept-01							<0.005	185				0.277	47.3	1.15			2.33			13.8				0.002
MTW-220	Dec-01							<0.005	196				0.245	49.8	1.2			2.31			13.2				0.008
MTW-220	Mar-02							<0.005	215				0.281	51.7	1.39			2.42			14.7				<0.001
MTW-220	Jun-02							<0.005	241				0.449	57.6	1.72			2.57			21.5				0.001
MTW-220	Sept-02	<0.075	<0.050	<0.001	0.043	<0.002	0.061	<0.005	206	<0.010	<0.0100	<0.017	0.228	50	1.32	<0.0002	<0.012	2.55	<0.001	<0.010	12	<0.001	<0.010	0.021	<0.001
MTW-220	Dec-02							<0.001	315				0.221	99.2	1.78			5.43			12.8				<0.001
MTW-220	Apr-04	<0.1	<0.050	<0.001	0.034	<0.002	0.078	<0.001	156	<0.002	<0.010	<0.017	0.398	33.7	0.975	<0.0002	0.013	3.96	<0.001	<0.010	13.3	<0.001	<0.010	0.033	<0.001
MTW-220	Jun-05	<0.0104	<0.0025	0.0067	0.0366	<0.0004	0.0489	<0.0008	184	0.00091	<0.0019	<0.0012	0.273	47.2	1.84	<0.00016	<0.0023	5.84	<0.0039	0.0021	12.3	0.0003	<0.002	0.0069	0.0045
MTW-220	Sept-06	<0.200	<0.060	<0.005	<0.200	<0.005	0.057	<0.005	220	<0.010	<0.050	<0.025	0.61	59	1.1	<0.0002	<0.040	<5	<0.010	<0.010	15	<0.010	<0.050	<0.020	<0.005
MTW-220	Dec-07	<0.1	<0.01	<0.01	<0.2	<0.01		<0.01	210	<0.01	<0.01	<0.01	0.12	51	1.4	<0.0002	<0.01	5.3	0.45	<0.01	18	<0.01	<0.01	0.036	<0.01
MTW-220	Aug-09	0.19	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	189	<0.02	<0.02	<0.02	0.75	45	1.4	<0.001	<0.02	2.8	<0.02	<0.02	13	0.04	<0.02	0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Bi (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Cs (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
MW-221S	March-97																								
MW-221S	June-97																								
MW-221S	Sept-97																								
MW-221S	Dec-97																								
MW-221S	Mar-98																								
MW-221S	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	190	<0.01	<0.01	<0.02	0.05	34	0.23			4.6	<0.05	<0.01	15	<0.03	<0.03	0.097	<0.01
MW-221S	Sept-98							<0.01	250				0.12	46	4.6			5.7			25				0.018
MW-221S	Dec-98							<0.01	180				0.24	44	2.9			4.7			27				<0.01
MW-221S	Apr-99							<0.01	270				0.11	44	0.37			3.1			24				<0.01
MW-221S	Jun-99							<0.01	270				<0.05	48	1.4			3.9			16				<0.01
MW-221S	Sept-99							<0.01	270				<0.05	34	1.4			5.4			43				<0.01
MW-221S	Dec-99	<0.1	<0.01	<0.001	<0.2	<0.01	<0.5	<0.01	190	<0.01	<0.01	<0.01	<0.05	31	1.3	<0.0002	<0.01	5	<0.01	<0.01	11	<0.01	<0.01	<0.01	<0.01
MW-221S	Apr-00	<0.075	<0.050	<0.002	0.102	<0.002	0.077	<0.0050	212	<0.010	<0.010	<0.017	0.068	26.5	0.04	<0.0002	<0.012	2.41	<0.002	<0.010	10.6	<0.001	<0.010	<0.020	<0.001
MW-221S	Jun-00							<0.0050	224				<0.040	31.5	0.128			3.12			15.3				0.002
MW-221S	Sept-00							<0.005	199				<0.040	31	1.3			3.52			15.8				<0.001
MW-221S	Dec-00							<0.005	224				<0.040	28.1	0.841			3.26			12.6				<0.001
MW-221S	Mar-01							<0.005	217				0.194	40.3	1.72			3.4			31				<0.001
MW-221S	Jun-01	<0.075	<0.050	<0.002	0.114	<0.002	<0.048	<0.005	194	<0.010	<0.010	<0.017	<0.040	28.3	0.095	<0.0002	<0.012	3.28	<0.002	<0.010	18.4	<0.001	<0.010	<0.020	<0.001
MW-221S	Sept-01							<0.005	195				0.056	28.8	1.04			3.26			19.8				0.003
MW-221S	Dec-01							<0.005	209				0.047	31.3	1.97			3.18			21.2				0.008
MW-221S	Mar-02							<0.005	198				1.49	34.5	1.77			3			30.9				<0.001
MW-221S	Jun-02							<0.005	209				0.082	30.2	1.33			2.81			8.09				<0.001
MW-221S	Sept-02	<0.075	<0.050	<0.001	0.075	<0.002	0.068	<0.005	203	<0.010	<0.0100	<0.017	0.09	31.2	1.83	<0.0002	0.014	3.03	0.001	<0.010	9.81	<0.001	<0.010	<0.020	<0.001
MW-221S	Dec-02							<0.001	205				0.154	27.7	1.23			3.43			11.2				<0.001
MW-221S	Apr-04	<0.1	<0.050	<0.001	0.115	<0.002	0.067	<0.001	178	0.016	<0.010	<0.017	0.092	19.7	0.032	<0.0002	<0.012	2.67	0.002	<0.010	9.27	<0.001	<0.010	<0.020	<0.001
MW-221S	Jun-05	<0.0104	<0.0025	0.004	0.221	<0.0040	0.0286	<0.0008	189	0.0012	<0.0019	<0.0012	0.0077	16.5	0.126	<0.00016	<0.0023	2.99	<0.0039	0.0022	10.9	0.0042	<0.002	0.0109	0.0043
MW-221S	Sept-06	<0.200	<0.060	<0.005	0.26	<0.005	<0.050	<0.005	160	<0.010	<0.050	<0.025	<0.100	12	0.047	<0.0002	<0.040	<5	<0.010	<0.010	8.9	<0.010	<0.050	<0.020	<0.005
MW-221S	Dec-07	0.11	<0.01	<0.01	0.22	<0.01		<0.01	190	<0.01	<0.01	<0.01	0.16	20	0.36	<0.0002	<0.01	3.6	0.001	<0.01	13	<0.01	<0.01	0.032	<0.01
MW-221S	Aug-09	<0.02	<0.02	<0.02	0.21	<0.02	<0.1	<0.02	184	<0.02	<0.02	<0.02	<0.02	17	<0.02	<0.001	<0.02	2.4	<0.02	<0.02	18	0.05	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-Au (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)	
Chas. EA CW Quab. S&S & G&L 74L		0.005	0.005	1	0.005	1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
MW-221D	March-97																									
MW-221D	June-97																									
MW-221D	Sept-97																									
MW-221D	Dec-97																									
MW-221D	Mar-98																									
MW-221D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	34	<0.01	<0.01	<0.02	<0.05	15	<0.01	<0.0002	<0.01	2.7	<0.05	<0.01	14	<0.03	<0.03	0.079	<0.01	
MW-221D	Sept-98																									
MW-221D	Dec-98																									
MW-221D	Apr-99																									
MW-221D	Jun-99																									
MW-221D	Sept-99																									
MW-221D	Dec-99	<0.1	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	40	<0.01	<0.01	<0.01	<0.05	17	<0.01	<0.0002	<0.01	3.1	<0.05	<0.01	13	<0.03	<0.01	0.022	<0.01	
MW-221D	Apr-00	<0.075	<0.050	<0.002	0.05	<0.002	<0.048	<0.0050	38.7	<0.010	<0.010	<0.017	0.042	16.6	<0.005	<0.0002	<0.012	2.27	<0.002	<0.010	14.3	<0.001	<0.010	<0.020	<0.001	
MW-221D	Jun-00																									
MW-221D	Sept-00																									
MW-221D	Dec-00																									
MW-221D	Mar-01																									
MW-221D	June-01	<0.075	<0.050	<0.002	0.048	<0.002	<0.048	<0.005	42.2	<0.010	<0.010	<0.017	<0.040	17.9	<0.005	<0.0002	<0.012	2.91	<0.002	<0.010	15.5	<0.001	<0.010	<0.020	<0.001	
MW-221D	Sept-01																									
MW-221D	Dec-01																									
MW-221D	Mar-02																									
MW-221D	June-02	<0.075	<0.050	<0.001	0.047	<0.002	<0.048	<0.005	45.5	<0.010	<0.010	<0.017	<0.040	17.6	0.01	<0.0002	<0.012	2.5	<0.001	<0.010	14.2	<0.001	<0.010	0.024	<0.001	
MW-221D	Sept-02																									
MW-221D	Dec-02																									
MW-221D	Apr-04	<0.1	<0.050	<0.001	0.042	<0.002	0.086	<0.001	37.2	<0.002	<0.010	<0.017	0.086	15.2	0.009	<0.0002	<0.012	2.34	<0.001	<0.010	13.3	<0.001	<0.010	<0.020	<0.001	
MW-221D	June-05	<0.0104	<0.0025	<0.0031	0.0555	<0.00040	0.033	<0.00080	42.9	0.0018	<0.0019	<0.0012	0.0345	18	<0.0021	<0.00016	<0.0023	2.9	<0.0039	<0.0011	13.7	<0.0029	<0.002	0.0053	<0.0019	
MW-221D	Sept-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	45	<0.010	<0.050	<0.025	0.16	18	0.043	<0.0002	<0.040	<5	<0.010	<0.010	14	<0.010	<0.050	<0.020	<0.005	
MW-221D	Dec-07																									
MW-221D	Aug-09	0.04	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	39	<0.02	<0.02	<0.02	<0.02	17	<0.02	<0.001	<0.02	4.7	<0.02	<0.02	15	<0.02	<0.02	<0.02	<0.02	

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chas GA GW Cont. S&S & G&S, Y&S		0.005	0.003	0.005	1	0.003	1	0.003	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.002	0.1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
MW-222	March-97																								
MW-222	June-97																								
MW-222	Sept-97																								
MW-222	Dec-97																								
MW-222	Mar-98																								
MW-222	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	180	<0.01	<0.01	<0.02	10	45	1.3	<0.0002	0.04	9.5	<0.05	<0.01	56	<0.03	<0.03	0.091	<0.01
MW-222	Sept-98								270				5.6	64	1.2			15			41				<0.01
MW-222	Dec-98								140				3	39	0.38			29			140				<0.01
MW-222	Apr-99								260				25	36	1.9			20			210				<0.01
MW-222	Jun-99								180				34	64	0.82			21			130				<0.01
MW-222	Sept-99								180				19	66	0.82			30			110				<0.01
MW-222	Dec-99	<0.1	<0.01	0.003	<0.2	<0.01	<0.5	<0.01	160	<0.01	<0.01	<0.01	16	54	0.39	<0.0002	<0.01	52	<0.01	<0.01	120	<0.01	<0.01	<0.01	<0.01
MW-222	Apr-00	<0.075	<0.050	0.025	0.373	<0.002	0.24	<0.0050	163	<0.010	<0.010	<0.017	22.4	61	0.40	<0.0002	0.016	22.7	<0.002	<0.010	58.3	<0.001	<0.010	<0.020	0.001
MW-222	Jun-00								190				33.3	64	1.06			10.6			25.6				0.002
MW-222	Sept-00								207				48.1	55.4	0.866			7.14			37.4				<0.001
MW-222	Dec-00								227				42.4	83.8	0.623			18.7			60.5				<0.001
MW-222	Mar-01								233				43.4	74.4	0.352			7.19			43.4				<0.001
MW-222	Jun-01	<0.075	<0.050	0.024	0.259	<0.002	0.061	<0.005	219	<0.010	<0.010	<0.017	31.6	53.6	0.502	<0.0002	0.021	6.72	<0.002	<0.010	51.2	<0.001	<0.010	0.023	<0.001
MW-222	Sept-01								233				42.7	64.4	0.372			5.36			40.2				<0.001
MW-222	Dec-01								207				17.7	86.5	0.258			26.3			145				0.002
MW-222	Mar-02								136				11.7	39.6	0.157			42.8			131				<0.001
MW-222	Jun-02								139				29	41.3	0.963			35.9			46.1				<0.001
MW-222	Sept-02	<0.075	<0.050	0.013	0.269	<0.002	0.213	<0.005	165	<0.010	<0.0100	<0.017	19.3	49.7	0.403	<0.0002	0.014	25.7	<0.001	<0.010	47.3	<0.001	<0.010	0.023	<0.001
MW-222	Dec-02								173				34.3	57.7	0.894			17.4			40				<0.001
MW-222	Apr-04	<0.1	<0.050	0.009	0.406	<0.002	0.104	<0.001	227	<0.002	<0.010	<0.017	41.4	59.8	0.358	<0.0002	<0.012	4.66	0.002	<0.010	27.4	<0.001	<0.010	<0.020	<0.001
MW-222	Jun-05	<0.0104	<0.0025	0.0011	0.845	<0.0004	0.282	<0.0008	245	<0.0009	<0.0019	<0.0012	33.7	81.7	0.38	<0.00016	0.0065	8.51	<0.0039	0.0023	77.4	0.004	<0.002	0.0027	0.0089
MW-222	Sept-06	<0.200	<0.060	0.012	0.52	<0.005	0.19	<0.005	240	<0.010	<0.020	<0.025	38	66	0.47	<0.0002	<0.040	8.7	<0.010	<0.010	62	<0.010	<0.050	<0.020	<0.005
MW-222	Dec-07																								
MW-222	Aug-09	<0.02	<0.02	<0.02	0.35	<0.02	<0.1	<0.02	208	<0.02	<0.02	<0.02	20	54	0.49	<0.001	<0.02	3.5	<0.02	<0.02	17	0.004	<0.02	0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chen GA GW Quab.		0.005	0.005	0.005	1	0.005	1	0.005		0.05		0.5	0.5	35	0.5	0.002	0.1		0.01	0.05	20	0.001		2	0.005
Ben's B. Quab. Vd.		0.005																							
MW-223S	March-97																								
MW-223S	June-97																								
MW-223S	Sept-97																								
MW-223S	Dec-97																								
MW-223S	Mar-98																								
MW-223S	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	210	<0.01	<0.01	<0.02	0.064	28	0.42			1.4	<0.05	<0.01	11	<0.03	<0.03	0.1	<0.01
MW-223S	Sept-98								220				0.07	46	1.8			2.3			11				<0.01
MW-223S	Dec-98								100				0.53	29	0.04			1.8			8.5				0.01
MW-223S	Apr-99								210				0.41	50	3.5			1.4			12				0.01
MW-223S	Jun-99								210				0.41	48	1.4			1.8			14				<0.01
MW-223S	Sept-99								240				0.2	30	3.8			1.7			16				<0.01
MW-223S	Dec-99	<0.01	<0.01		<0.2	<0.01	<0.5	<0.01	220	<0.01	<0.01	<0.01	0.17	48	3.6	<0.0002	<0.01	1.7	<0.01	<0.01	12	<0.01	<0.01	<0.01	<0.01
MW-223S	Apr-00	<0.075	<0.050	0.013	0.055	<0.002	<0.048	<0.0050	189	<0.010	<0.010	<0.017	0.04	45.7	1.05	<0.0002	<0.012	1.3	<0.002	<0.010	11.6	<0.001	<0.010	<0.020	<0.001
MW-223S	Jun-00							<0.0050	229				0.05	48.5	3.94			1.47			16.6				0.002
MW-223S	Sept-00							<0.005	224				0.05	45.3	3.8			1.61			16.7				<0.001
MW-223S	Dec-00							<0.005	234				0.05	48.8	4.08			1.57			19.1				<0.001
MW-223S	Mar-01							<0.005	210				0.1	45.2	3.56			1.32			12.6				0.002
MW-223S	Jun-01	<0.075	<0.050	0.022	0.056	<0.002	<0.048	<0.005	230	<0.010	<0.010	<0.017	0.05	48.9	3.77	<0.0002	<0.012	1.88	<0.002	<0.010	13.9	<0.001	<0.010	<0.020	<0.001
MW-223S	Sept-01							<0.005	216				0.05	45.7	3.6			1.41			18.8				0.005
MW-223S	Dec-01							<0.005	220				0.05	45.3	3.52			1.29			17.3				0.001
MW-223S	Mar-02							<0.005	236				0.05	48.9	3.8			1.43			12				<0.001
MW-223S	Jun-02							<0.005	204				0.05	44.3	3.39			1.36			13.4				<0.001
MW-223S	Sept-02	<0.075	<0.050	0.024	0.056	<0.002	<0.048	<0.005	215	<0.010	<0.0100	<0.017	0.05	46.5	3.48	<0.0002	0.012	1.38	0.001	<0.010	15.5	<0.001	<0.010	0.023	<0.001
MW-223S	Dec-02							<0.001	174				0.05	42.8	3.34			1.32			14.5				<0.001
MW-223S	Apr-04	<0.1	<0.050	0.002	0.063	<0.002	<0.048	<0.001	60.5	<0.002	<0.010	<0.017	0.123	1	<0.0050	<0.0002	0.012	1.82	<0.001	<0.010	10.9	<0.001	<0.010	<0.020	<0.001
MW-223S	Jun-05	<0.0104	<0.0025	0.0054	0.12	<0.0004	0.0194	<0.0008	99.3	0.0018	<0.0019	0.012	<0.0019	0.279	0.0021	<0.00016	0.0023	2.33	<0.0039	<0.0011	11.6	<0.0029	<0.002	<0.0025	<0.0019
MW-223S	Sept-06	<0.200	<0.060	0.025	<0.200	<0.005	<0.050	<0.005	170	<0.010	<0.050	<0.025	0.16	38	2.7	<0.0002	<0.040	<5	<0.010	<0.010	17	<0.010	<0.050	<0.020	<0.005
MW-223S	Dec-07	<0.1	<0.01	0.018	<0.2	<0.01		<0.01	150	<0.01	<0.01	<0.01	0.1	47	1.9	<0.0001	<0.01	1.8	<0.01	<0.01	17	<0.01	<0.01	0.034	<0.01
MW-223S	Aug-09	<0.02	<0.02	<0.02	0.11	<0.02	<0.1	<0.02	136	<0.02	<0.02	<0.02	0.3	39	2.1	<0.001	<0.02	1.3	<0.02	<0.02	16	<0.02	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Cs (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
MW-223D	March-97																								
MW-223D	June-97																								
MW-223D	Sept-97																								
MW-223D	Dec-97																								
MW-223D	Mar-98																								
MW-223D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<0.01	0.1	33	1.3			1.1			10			<0.01	<0.01
MW-223D	Sept-98																								
MW-223D	Dec-98																								
MW-223D	Apr-99																								
MW-223D	June-99																								
MW-223D	Sept-99																								
MW-223D	Dec-99	<.1	<0.01	0.01	<.2	<0.01	<0.5	<0.01	<0.01	<0.01	<0.01	<0.01	0.067	26	0.52			3.3			13			<0.01	<0.01
MW-223D	Apr-00	<0.075	<0.050	0.02	0.067	<0.002	0.053	<0.0050	<0.010	<0.010	<0.010	<0.017	21.8	46.7	3.81			1.46	<0.002	<0.010	11.9	<0.001	<0.010	<0.020	<0.001
MW-223D	June-00							<0.0050	206									1.36			12.3				0.003
MW-223D	Sept-00							<0.005	202									1.36			11.7				<0.001
MW-223D	Dec-00							<0.005	223									1.37			14.4				0.006
MW-223D	Mar-01							<0.005	214									1.36			12.4				<0.001
MW-223D	June-01	<0.075	<0.050	0.022	0.05	<0.002	<0.048	<0.005	203	<0.010	<0.010	<0.017	8.19	49.7	1.78			1.66	<0.002	<0.010	12.9	<0.001	<0.010	<0.020	<0.001
MW-223D	Sept-01							<0.005	196									1.3			12.6				0.007
MW-223D	Dec-01							<0.005	217									1.16			12.1				0.002
MW-223D	Mar-02							<0.005	226									1.24			12.4				0.001
MW-223D	June-02							<0.005	193									1.22			12.9				0.001
MW-223D	Sept-02	<0.075	<0.050	0.026	0.047	<0.002	<0.048	<0.005	208	<0.010	<0.0100	<0.017	8.85	49.1	1.85			1.34	0.001	<0.010	12.1	<0.001	<0.010	0.023	<0.001
MW-223D	Dec-02							<0.001	160									1.1			12				<0.001
MW-223D	Apr-04	<0.1	<0.050	0.022	0.048	<0.002	0.053	<0.001	148	<0.002	<0.010	<0.017	8.85	49.5	1.76			1.57	<0.001	<0.010	11.6	<0.001	<0.010	<0.020	<0.001
MW-223D	June-05	<0.0104	<0.0025	<0.0031	0.00802	<0.0004	0.0154	<0.0008	27.9	0.0012	<0.0019	<0.0012	0.0273	1.48	<0.0021	<0.00016	0.0038	3.36	<0.0039	<0.0011	14.5	<0.0039	<0.002	0.0045	<0.0019
MW-223D	Sept-06	<0.200	<0.060	0.022	<0.200	<0.005	<0.050	<0.005	170	<0.010	<0.050	<0.025	8.85	41	1.7			<5	<0.010	<0.010	13	<0.010	<0.050	<0.020	<0.005
MW-223D	Dec-07																								

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Bi (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
MW-303D	March-97																							
MW-303D	June-97																							
MW-303D	Sept-97																							
MW-303D	Dec-97																							
MW-303D	Mar-98																							
MW-303D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	38	<0.01	<0.02	0.077	15	0.014	<0.0002	<0.01	8.1	<0.05	<0.01		<0.03	<0.03	0.1	<0.01
MW-303D	Sept-98								49			0.07	20	0.018			8.6							0.016
MW-303D	Dec-98								40			0.19	17	0.033			7.7							<0.01
MW-303D	Apr-99								44			0.26	18	0.036			4.9							<0.01
MW-303D	Jun-99								54			0.862	22	0.041			5							<0.01
MW-303D	Sept-99								55			0.086	21	<0.01			6.8							<0.01
MW-303D	Dec-99	<.1	<0.01	<0.01	<.2	<0.01	<.5	<0.01	49	<0.01	<0.01	<.05	20	0.031	<.0002	<0.01	9.5	0.037	<0.01		0.03	<0.01	0.014	<0.01
MW-303D	Apr-00	<0.075	<0.050	0.004	0.032	<0.002	0.365	<0.0050	44.4	<0.010	<0.010	0.091	18.9	0.021	<0.0002	<0.012	5.64	<0.002	<0.010		<0.001	<0.010	<0.020	<0.001
MW-303D	Jun-00							<0.0050	45.1			0.079	19.4	0.047			6.69							0.002
MW-303D	Sept-00							<0.005	47.2			0.059	19.5	0.048			6.32							<0.001
MW-303D	Dec-00							<0.005	50.7			0.059	21.1	0.044			7.22							<0.001
MW-303D	Mar-01							<0.005	42.9			0.053	18.8	0.028			7.21							0.002
MW-303D	Jun-01	<0.075	<0.050	0.003	0.029	<0.002	0.375	<0.005	42.5	<0.010	<0.010	0.021	18.1	0.02	<0.0002	<0.012	8.34	<0.002	<0.010		<0.001	<0.010	0.067	0.003
MW-303D	Sept-01							<0.005	47.7			1	19.5	0.047			5.21							0.002
MW-303D	Dec-01							<0.005	47.8			0.028	19.4	0.036			6.55							0.001
MW-303D	Mar-02							<0.005	40			0.006	18.1	0.021			6.64							0.001
MW-303D	Jun-02							<0.005	45.1			0.034	18.5	0.025			5.5							0.002
MW-303D	Sept-02	<0.075	<0.050	0.006	0.036	<0.002	0.35	<0.005	50.5	<0.010	<0.0100	0.017	20.4	0.139	<0.0002	0.019	5.32	<0.001	<0.010		<0.001	<0.010	<0.020	<0.001
MW-303D	Dec-02							<0.001	48.8			0.034	23.2	0.042			5.26							<0.001
MW-303D	Apr-04	<0.1	<0.050	0.004	0.03	<0.002	0.343	<0.001	40.3	<0.002	<0.010	0.017	16.8	0.025	<0.0002	<0.012	5.71	0.001	<0.010		<0.001	<0.010	<0.020	0.002
MW-303D	Jun-05	<0.0104	<0.0025	0.0092	0.0315	<0.00040	0.37	<0.00080	48.6	<0.00090	<0.0019	0.0135	19.3	0.0028	<0.00016	0.0031	9.1	<0.0039	<0.0011		<0.0029	<0.002	0.0187	<0.0019
MW-303D	Sept-06	<0.200	<0.060	0.0058	<0.200	<0.005	0.38	<0.005	53	<0.010	<0.050	0.037	21	0.022	<0.0002	<0.040	<10	<0.010	<0.010		<0.010	<0.050	<0.020	<0.005
MW-303D	Dec-07																							
MW-303D	Aug-09	0.02	<0.02	<0.02	0.03	<0.02	0.37	<0.02	47	<0.02	<0.02	0.08	19	0.03	<0.001	<0.02	4.8	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Bi (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Cl (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Case CA DW Quad		0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Site & Grid Yr		0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
MW-304D	March-97																								
MW-304D	June-97																								
MW-304D	Sept-97																								
MW-304D	Dec-97																								
MW-304D	Mar-98																								
MW-304D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	130	<0.01	<0.01	<0.02	0.17	32	<0.0002	<0.01	5.1	<0.05	<0.01	41	<0.01	<0.01	<0.03	0.092	<0.01
MW-304D	Sept-98								120	<0.01	<0.01	<0.01	0.17	29	0.48		4.9			39	<0.01	<0.01			<0.01
MW-304D	Dec-98								48	<0.01	<0.01	0.074	0.1	13	0.1		<1			30	<0.01	<0.01			<0.01
MW-304D	Apr-99								130	<0.01	<0.01	3.2	31	0.77	4.1		4.1			44	<0.01	<0.01			<0.01
MW-304D	Jun-99								160	<0.01	<0.01	7.6	36	0.94	4.8		4.8			43	<0.01	<0.01			<0.01
MW-304D	Sept-99								150	<0.01	<0.01	8.4	35	0.83	5		5			44	<0.01	<0.01			<0.01
MW-304D	Dec-99	<.1	<0.01	<0.01	<.2	<0.01	<.5	<0.01	120	<0.01	<0.01	4.2	30	0.63	<0.0002	<0.01	4.4	0.025	<0.01	35	<0.01	<0.01	<0.01	<0.01	<0.01
MW-304D	Apr-00	<0.075	<0.050	0.004	0.207	<0.002	0.099	<0.0050	129	<0.010	<0.010	0.17	0.18	30.7	0.096	<0.0002	3.84	<0.002	<0.010	34.5	<0.001	<0.001	<0.010	<0.020	<0.001
MW-304D	Jun-00							<0.0050	71.4	<0.005	<0.005	3.19	23.5	0.836	3.96		3.96			39.1	<0.001	<0.001	<0.010	<0.020	0.005
MW-304D	Sept-00							<0.005	93.7	<0.005	<0.005	4.23	25.3	0.392	3.5		3.5			36.5	<0.001	<0.001	<0.010	<0.020	<0.001
MW-304D	Dec-00							<0.005	60.4	<0.005	<0.005	0.669	19	0.034	2.79		2.79			46.2	<0.001	<0.001	<0.010	<0.020	<0.001
MW-304D	Mar-01							<0.005	156	<0.005	<0.005	10.1	35.4	0.972	4.2		4.2			31.1	<0.001	<0.001	<0.010	<0.020	<0.001
MW-304D	Jun-01	<0.075	<0.050	0.003	0.097	<0.002	0.067	<0.005	76.3	<0.010	<0.010	<0.017	2.31	22.3	0.237	<0.0002	<0.012	3.58	<0.002	<0.010	27.7	<0.001	<0.010	0.037	<0.001
MW-304D	Sept-01							<0.005	77.9	<0.005	<0.005	7.2	22.9	0.173	3.26		3.26			43.4	<0.001	<0.001	<0.010	<0.020	0.002
MW-304D	Dec-01							<0.005	64.1	<0.005	<0.005	3.07	17.8	0.045	2.66		2.66			39.4	<0.001	<0.001	<0.010	<0.020	<0.001
MW-304D	Mar-02							<0.005	70.3	<0.005	<0.005	1.36	19.8	0.135	2.14		2.14			34.8	<0.001	<0.001	<0.010	<0.020	<0.001
MW-304D	Jun-02							<0.005	78.9	<0.005	<0.005	2.99	20.9	0.263	2.81		2.81			35.1	<0.001	<0.001	<0.010	<0.020	0.002
MW-304D	Sept-02	<0.075	<0.050	0.012	0.049	<0.002	0.056	<0.005	60.5	<0.010	<0.010	<0.017	0.637	17.8	0.024	<0.0002	<0.012	2.59	<0.001	<0.010	39.2	<0.001	<0.010	<0.020	<0.001
MW-304D	Dec-02							<0.001	57.4	<0.001	<0.001	0.444	18.3	0.048	1.79		1.79			35.6	<0.001	<0.001	<0.010	<0.020	<0.001
MW-304D	Apr-04	<.1	<0.050	0.01	0.06	<0.002	0.061	<0.001	54.9	<0.002	<0.010	<0.017	0.425	15.3	0.096	<0.0002	<0.012	1.99	<0.001	<0.010	34.5	<0.001	<0.010	<0.020	<0.001
MW-304D	Jun-05	<0.0104	<0.0025	0.0077	0.0455	<0.0004	0.0527	<0.0008	57.9	<0.0090	<0.0019	<0.0012	0.0146	16.4	0.0333	<0.00016	<0.0023	3.33	<0.0039	<0.0011	34.5	<0.0029	<0.002	0.0095	<0.0019
MW-304D	Sept-06	<0.000	<0.000	0.0065	0.21	<0.005	0.093	<0.005	130	<0.010	<0.050	<0.025	7.4	28	0.05	<0.0002	<0.040	7.4	<0.010	<0.010	30	<0.010	<0.050	<0.020	<0.005
MW-304D	Dec-07	<.1	<0.01	0.018	<0.2	<0.01		<0.01	120	<0.01	<0.01	<0.01	4	27	0.62	<0.0002	<0.01	4.7	0.025	<0.01	28	<0.01	<0.01	0.04	<0.01
MW-304D	Aug-09	<0.02	<0.02	<0.02	0.18	<0.02	<0.1	<0.02	102	<0.02	<0.02	<0.02	4.9	25	0.68	<0.001	<0.02	3.1	<0.02	<0.02	35	<0.02	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chlor-GA (NW Quad)	March-97	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	190	<0.01	36	3	0.002	0.1	3.4	0.01	23	0.005	0.005	2	0.005	
MW-304S	June-97	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	180	<0.01	33	2.9	<0.0002	0.013	2.9	<0.05	20	<0.01	<0.03	0.08	<0.01	
MW-304S	Sept-97	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	190	<0.01	35	4	<0.0002	0.013	3.3	<0.05	23	<0.01	<0.03	0.08	<0.01	
MW-304S	Dec-97	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	200	<0.01	40	3.2	<0.0002	0.013	4.1	<0.05	19	<0.01	<0.03	0.08	<0.01	
MW-304S	Mar-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	140	<0.01	28	2.5	<0.0002	0.013	1.4	<0.05	13	<0.01	<0.03	0.08	<0.01	
MW-304S	Apr-99	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	190	<0.01	38	3.7	<0.0002	0.013	3.1	<0.05	22	<0.01	<0.03	0.08	<0.01	
MW-304S	Jun-99	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	220	<0.01	44	4.1	<0.0002	0.013	3.5	<0.05	21	<0.01	<0.03	0.08	<0.01	
MW-304S	Sept-99	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	210	<0.01	40	3.8	<0.0002	0.013	3.8	<0.05	22	<0.01	<0.03	0.08	<0.01	
MW-304S	Dec-99	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	200	<0.01	40	3.7	0.00023	<0.01	3.8	<0.05	18	<0.01	<0.03	0.08	<0.01	
MW-304S	Apr-00	<0.075	<0.050	<0.002	0.316	<0.002	0.088	<0.0050	197	<0.01	38.8	3.71	<0.0002	0.018	2.94	<0.002	<0.010	18.1	<0.001	<0.010	<0.020	<0.001
MW-304S	Jun-00	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.0090	129	0.06	25.9	2.48	<0.0002	0.11	2.36	<0.002	<0.010	14	<0.001	<0.010	0.068	<0.001
MW-304S	Sept-00	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.005	182	14	32.2	3.42	<0.0002	0.11	3.42	<0.002	17.5	<0.001	<0.010	0.068	0.001	
MW-304S	Dec-00	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.005	196	16	39.4	3.7	<0.0002	0.11	3.41	<0.002	21.2	<0.001	<0.010	0.068	<0.001	
MW-304S	Mar-01	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.005	184	15	34.6	3.41	<0.0002	0.11	2.96	<0.002	17.6	<0.001	<0.010	0.068	<0.001	
MW-304S	Jun-01	0.893	<0.050	<0.002	0.463	<0.002	0.167	<0.005	198	16.9	39.4	3.78	<0.0002	0.11	3.44	<0.002	<0.010	18.4	<0.001	<0.010	0.068	<0.001
MW-304S	Sept-01	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.005	184	15.3	36.6	3.49	<0.0002	0.11	3.09	<0.002	17.3	<0.001	<0.010	0.068	0.002	
MW-304S	Dec-01	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.005	185	16.3	38.6	3.77	<0.0002	0.11	2.84	<0.002	17.4	<0.001	<0.010	0.068	0.004	
MW-304S	Mar-02	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.005	175	17	36.6	3.91	<0.0002	0.11	2.79	<0.002	16.9	<0.001	<0.010	0.068	0.004	
MW-304S	Jun-02	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.005	171	15	34.4	3.38	<0.0002	0.11	3.62	<0.002	18.7	<0.001	<0.010	0.068	0.002	
MW-304S	Sept-02	<0.075	<0.050	<0.001	0.455	<0.002	0.09	<0.010	184	16.3	36.1	3.66	<0.0002	0.023	2.9	0.001	<0.010	17.1	<0.001	<0.010	0.02	<0.001
MW-304S	Dec-02	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.001	173	17.4	39.2	3.72	<0.0002	0.11	2.99	<0.002	18.9	<0.001	<0.010	0.02	<0.001	
MW-304S	Apr-04	<0.1	<0.06	0.001	0.395	<0.002	0.082	<0.010	162	14.9	31.5	3.15	<0.0002	0.022	3.14	<0.001	<0.010	17.4	<0.001	<0.010	<0.020	<0.001
MW-304S	Jun-05	<0.0104	<0.0025	<0.0031	0.448	<0.004	0.045	<0.0008	167	18.4	32.4	3.33	<0.00016	<0.0023	4.03	<0.0039	0.0022	17.4	<0.001	<0.002	0.0032	0.0059
MW-304S	Sept-06	<0.200	<0.060	<0.005	0.37	<0.005	<0.050	<0.005	150	19	30	3	<0.0002	<0.040	<5	<0.010	<0.010	12	<0.010	<0.050	<0.020	<0.005
MW-304S	Dec-07	<0.1	<0.01	0.01	0.33	<0.01	<0.01	<0.01	160	4.1	31	3.3	<0.0002	<0.01	3.5	<0.01	<0.01	13	<0.01	<0.01	0.022	<0.01
MW-304S	Apr-09	<0.03	<0.02	<0.07	0.38	<0.02	<0.02	<0.02	170	8.7	23	2.4	<0.001	<0.02	2.2	<0.02	<0.02	15	<0.02	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Bb (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Ti (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chase GW Cont. Safe & Cont. Vol.		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
MW-304VS	March-97																								
MW-304VS	June-97																								
MW-304VS	Sept-97																								
MW-304VS	Dec-97																								
MW-304VS	Mar-98																								
MW-304VS	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	93	<0.01	0.011	<0.02	<0.05	21	0.03	<0.002	0.012	3.7	<0.05	<0.01	180	<0.03	<0.03	0.063	<0.01
MW-304VS	Sept-98																								
MW-304VS	Dec-98																								
MW-304VS	Apr-99																								
MW-304VS	June-99																								
MW-304VS	Sept-99																								
MW-304VS	Dec-99	<0.01	<0.01	<0.01	<2	<0.01	<5	<0.01	110	<0.01	<0.01	<0.01	<0.05	25	1.5	0.0002	<0.01	3.5	0.002	<0.01	170	<0.01	<0.01	<0.01	<0.01
MW-304VS	Apr-00	<0.075	<0.050	<0.002	0.124	<0.002	<0.048	<0.0050	236	<0.010	<0.010	<0.017	0.05	46.4	4.01	<0.0002	0.018	2.98	<0.002	<0.010	171	<0.001	<0.010	<0.020	<0.001
MW-304VS	June-00																								
MW-304VS	Sept-00																								
MW-304VS	Dec-00																								
MW-304VS	Mar-01																								
MW-304VS	June-01	<0.075	<0.050	<0.002	0.079	<0.002	<0.048	<0.005	138	<0.010	<0.010	<0.017	<0.040	24.8	0.182	<0.0002	<0.012	4.13	<0.002	<0.010	351	<0.001	<0.010	0.043	<0.001
MW-304VS	Sept-01																								
MW-304VS	Dec-01																								
MW-304VS	Mar-02																								
MW-304VS	June-02																								
MW-304VS	Sept-02	<0.075	<0.050	<0.001	0.067	<0.002	<0.048	<0.005	99.2	<0.010	<0.010	0.027	<0.040	15.2	0.016	<0.0002	<0.012	3.91	<0.001	<0.010	216	<0.001	<0.010	0.038	<0.001
MW-304VS	Dec-02																								
MW-304VS	Apr-04	<0.1	<0.050	<0.001	0.038	<0.002	0.058	<0.001	71.2	<0.002	<0.010	<0.017	0.15	10.7	0.011	<0.0002	<0.012	6	<0.001	<0.010	128	<0.001	<0.010	<0.020	<0.001
MW-304VS	June-05																								
MW-304VS	Sept-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	160	<0.010	<0.010	<0.025	0.17	22	2.2	<0.0002	<0.040	5.6	<0.010	<0.010	180	<0.010	<0.050	<0.020	<0.005
MW-304VS	Dec-07																								
MW-304VS	Aug-09	0.13	<0.02	<0.02	0.17	<0.02	<0.1	<0.02	187	<0.02	<0.02	<0.02	0.21	23	4	<0.001	<0.02	3.6	<0.02	<0.02	400	<0.03	<0.02	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Clean CA GWF Qual. SPS's & Qual. Val.																								
PZ-1A	March-97	0.76	<0.06	<0.01	<0.2	<0.01	<1	95	<0.01	<0.02	<0.02	1.7	<0.01	18	0.39	<0.0004	<0.01	2.3	<0.05	<0.01	11	<0.03		0.17
PZ-1A	June-97						<0.01	110				3.4	<0.01	21	0.52			2.4			13			
PZ-1A	Sept-97						<0.01	96				0.1	<0.01	21	0.26			2.1			18			
PZ-1A	Dec-97						<0.01	92				0.2	<0.01	20	0.16			2.4			18			
PZ-1A	Mar-98						<0.01	96				1.9	<0.01	22	0.19			2.6			18			
PZ-1A	June-98	0.93	<0.06	<0.01	<0.2	<0.01	<1	93	<0.01	<0.01	<0.02	1.7	<0.01	23	0.38	<0.0002	<0.01	2.5	<0.05	<0.01	18	<0.03	<0.03	0.13
Location Not Sampled																								
PZ-1A	Sept-98						<0.01	170					<0.01	24	0.54			2.9			20			
PZ-1A	Dec-98						<0.01	110				0.1	<0.01	24	0.48			2.1			18			
PZ-1A	Apr-99						<0.01	130				0.1	<0.01	29	0.76			2.5			20			
PZ-1A	Jun-99						<0.01	110				0.4	<0.01	24	0.53			2.8			19			
PZ-1A	Sept-99						<0.01	110				0.3	<0.01	26	0.63	<0.0002	<0.01	2.5	0.045	<0.01	17	<0.01	<0.01	0.02
PZ-1A	Dec-99	1.4	<0.01	<0.01	<0.2	<0.01	<0.5	109	<0.01	<0.01	<0.017	0.31	<0.01	24	0.229	<0.0002	<0.012	2.09	<0.002	<0.010	17	<0.001	<0.010	<0.020
PZ-1A	Apr-00	0.698	<0.050	0.002	0.051	<0.002	<0.048	<0.0050	105			0.187	0.004	22.9	0.454			1.69			16.9			
PZ-1A	Jun-00						<0.005	105				0.139	0.007	24.5	0.489			1.73			17			
PZ-1A	Sept-00						<0.005	114				0.176	0.002	23.4	0.483			1.71			16			
PZ-1A	Dec-00						<0.005	112				0.16	0.004	24.1	0.489			1.88			16.9			
PZ-1A	Mar-01						<0.005	110				0.112	0.005	23.8	0.458	<0.0002	<0.012	2.44	<0.002	<0.010	16.9	<0.001	<0.010	<0.020
PZ-1A	Jun-01	<0.075	<0.050	<0.002	0.047	<0.002	0.087	109	<0.010	<0.010	<0.017	0.1	0.002	24.3	0.457	<0.0002	<0.012	2.81	<0.001	<0.010	19	<0.001	<0.010	<0.020
PZ-1A	Sept-01						<0.005	112				0.122	0.003	24.6	0.485			2.1			18			
PZ-1A	Dec-01						<0.005	108				0.095	0.004	23.7	0.473			2.1			16.5			
PZ-1A	Mar-02						<0.005	110				0.093	<0.001	23.7	0.47			1.71			16.2			
PZ-1A	Jun-02						<0.005	109				0.084	<0.001	24.1	0.452			2.4			17.3			
PZ-1A	Sept-02	<0.075	<0.050	0.001	0.048	<0.002	0.058	112	<0.010	<0.0100	<0.017	0.1	0.002	24.3	0.457	<0.0002	<0.012	2.81	<0.001	<0.010	19	<0.001	<0.010	<0.020
PZ-1A	Dec-02						<0.001	111				0.103	<0.001	23.2	0.459			1.75			14.6			
PZ-1A	Apr-04	<0.1	<0.050	0.001	0.068	<0.002	0.064	109	<0.002	<0.010	<0.017	0.152	<0.001	21.4	0.449	<0.0002	<0.012	2.05	<0.001	<0.010	16	<0.001	<0.010	<0.020
PZ-1A	Jun-05	0.0638	<0.0044	0.0157	0.0088	<0.00030	0.0392	32	<0.00060	<0.002	0.0056	0.168	<0.0017	4.39	0.408	<0.00016	0.0043	10.4	<0.0039	<0.0011	4.78	<0.0023	<0.0031	0.0385
PZ-1A	Oct-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.030	110	<0.010	<0.050	<0.025	<0.100	<0.005	25	0.49	<0.0002	<0.040	<5	<0.010	<0.010	16	<0.010	<0.050	<0.020
PZ-1A	Dec-07	1.2	<0.01	0.016	<0.2	<0.01	<0.5	120	<0.01	<0.01	<0.01	0.4	<0.01	28	0.57	<0.0002	<0.01	2.9	0.27	<0.01	18	<0.01	<0.01	0.022
PZ-1A	Aug-09	0.23	<0.02	<0.02	0.04	<0.02	<0.1	110	<0.02	<0.02	<0.02	0.37	<0.02	26	0.41	<0.001	<0.02	2	<0.02	0.01	17	0.05	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Si (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Sr (mg/l)	Ag (mg/l)	Nb (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Case 12-1 GW Quad		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Site 12-1 GW Quad		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
PZ-4	March-97	9.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	200	0.016	0.032	0.032	22	0.021	28	1.4	<0.0004	0.026	4.5	<0.05	<0.01	11	<0.03		0.16
PZ-4	June-97							<0.01	200				22	0.022	46	1.8			4.9			12			
PZ-4	Sept-97							<0.01	180				14	0.015	40	1.2			3.9			17			
PZ-4	Dec-97							<0.01	170				11	0.015	38	1.2			5			17			
PZ-4	Mar-98							<0.01	750				204	0.025	100	1.4			26			20			
PZ-4	June-98	24	<0.06	0.005	<0.2	<0.01	<1	<0.01	250	0.045	0.039	0.1	61	0.05	69	3.5	<0.0002	0.067	9	<0.05	<0.01	17	<0.03	0.037	0.31
PZ-4	Sept-98							<0.01	170				63	<0.01	40	0.96			4			12			
PZ-4	Dec-98							<0.01	280				9	<0.01	45	1.3			3.9			18			
PZ-4	Apr-99							<0.01	550				50	0.18	100	12			16			17			
PZ-4	June-99							<0.01	570				60	0.2	150	12			14			19			
PZ-4	Sept-99							<0.01	170				19	<0.01	41	1.1			4.2			15			
PZ-4	Dec-99	4.4	<0.01	0.022	<0.2	<0.01	<0.5	<0.01	190	<0.01	<0.01	0.022	10	<0.01	46	3.5	<0.0002	0.019	3.7	0.014	<0.01	15	<0.01	<0.01	0.058
PZ-4	Apr-00	2.53	<0.050	0.007	0.044	<0.002	0.092	<0.0050	169	<0.010	<0.010	<0.017	5.33	0.004	36.3	2.75	<0.0002	<0.012	2.81	<0.002	<0.010	19.2	<0.001	<0.010	0.037
PZ-4	June-00							<0.0050	177				4.28	0.003	42.7	1.04			2.85			14.4			
PZ-4	Sept-00							<0.005	187				1.02	0.006	43.37	1.05			2.74			17.7			
PZ-4	Dec-00							<0.005	83.5				1.31	0.002	28.3	0.482			4.41			18.2			
PZ-4	Mar-01							<0.005	173				0.41	<0.001	41.4	0.886			2.33			14.9			
PZ-4	June-01	19.2	<0.050	0.005	0.109	<0.002	0.087	<0.005	298	0.03	0.025	0.086	44.2	0.028	63.1	3.7	<0.0002	0.062	6.36	<0.002	<0.010	15	<0.001	0.034	0.167
PZ-4	Sept-01							<0.005	279				21.8	0.025	58	3.17			4.77			17.4			
PZ-4	Dec-01							<0.005	244				39.3	0.018	28.4	2.48			4.91			18.1			
PZ-4	Mar-02							<0.005	260				11.7	0.009	54	2.5			3.56			18.6			
PZ-4	June-02							<0.005	203				29.1	0.013	49.7	1.93			5.33			16.2			
PZ-4	Sept-02	2.2	<0.050	0.013	0.039	<0.002	0.081	<0.005	193	0.014	<0.0100	0.029	5.73	0.007	42.3	1.45	<0.0002	0.013	3.31	0.001	<0.010	18	<0.001	<0.010	0.052
PZ-4	Dec-02							<0.001	218				6.33	0.011	44.3	1.91			2.94			15.4			
PZ-4	Apr-04	<0.1	<0.050	0.017	0.066	<0.002	0.093	<0.001	192	0.012	0.01	0.044	24	0.012	46.4	1.7	<0.0002	0.044	3.66	0.001	<0.010	18.4	<0.001	0.02	0.086
PZ-4	June-05	2.46	<0.044	0.007	0.104	0.003	0.175	<0.0050	62.7	0.0034	0.0028	0.0086	4.38	0.0035	15.5	0.771	<0.00016	0.0057	2.18	<0.0039	0.0012	22.5	0.004	0.0049	0.161
PZ-4	Oct-06	6.8	<0.040	0.02	<0.200	<0.005	0.097	<0.005	210	<0.010	<0.050	<0.025	12	0.0066	48	1.6	<0.0002	<0.040	6.5	<0.010	<0.010	22	<0.010	<0.050	0.046
PZ-4	Aug-09	0.22	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	179	<0.02	<0.02	0.02	0.05	<0.02	46	1.3	<0.001	<0.02	4.2	<0.02	0.01	22	<0.02	<0.02	0.04

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cu (mg/l)	Cr (mg/l)	Co (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Case CA GW Cont		0.025	0.005	0.025	1	0.005	0.005	0.2	0.05		0.5	0.025	35	0.2	0.002	0.1	2.5	0.01	0.05	20	0.0005	0.0005	0.0005
State & Fed. Val.		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
PZ-11	March-97	0.92	<0.06	<0.01	<0.2	<0.01	<0.01	<0.02	<0.01	150	2.5	<0.01	24	1.6	<0.0004	<0.01	2.5	<0.05	<0.01	6.6	<0.03		0.13
PZ-11	June-97					<0.01	<0.01			180	3.2	0.013	34	1.9			3.1			10			
PZ-11	Sept-97					<0.01	<0.01			140	3.3	<0.01	31	1.7			2.7			9.6			
PZ-11	Dec-97					<0.01	<0.01			110	2.4	<0.01	25	1.3			2.7			11			
PZ-11	Mar-98					<0.01	<0.01			150	2.9	<0.01	29	1.4			3.3			13			
PZ-11	June-98	0.6	<0.06	<0.01	<0.2	<0.01	<0.01	<0.02	<0.01	160	3.4	<0.01	38	1.8	<0.0002	<0.01	3.2	<0.05	<0.01	12	<0.03	<0.03	0.23
PZ-11	Sept-98					<0.01	<0.01			190	6	<0.01	40	2.6			4.2			9.3			
PZ-11	Dec-98					<0.01	<0.01			260	6.2	<0.01	35	2.6			3.6			12			
PZ-11	Apr-99					<0.01	<0.01			170	5.9	<0.01	37	2.5			2.8			10			
PZ-11	June-99					<0.01	<0.01			180	4.0	<0.01	33	2			2.6			13			
PZ-11	Sept-99					<0.01	<0.01			160	4.5	<0.01	29	1.8			3			12			
PZ-11	Dec-99	1.1	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.01	140	3.4	<0.01	27	1.5	<0.0002	0.016	2.7	0.034	<0.01	12	<0.01	<0.01	0.066
PZ-11	Apr-00	<0.075	<0.050	0.006	0.061	<0.002	<0.048	<0.010	<0.010	156	1.38	0.001	30.3	1.74	<0.0002	<0.012	2.3	<0.002	<0.010	10.5	<0.001	<0.010	0.049
PZ-11	June-00					<0.00050	<0.00050			190	1.36	0.003	15	2.09			2.38			10.6			
PZ-11	Sept-00					<0.005	<0.005			170	2.7	0.012	29.7	1.61			2.08			9.73			
PZ-11	Dec-00					<0.005	<0.005			162	2.44	0.002	27.4	1.33			2.12			10.2			
PZ-11	Mar-01					<0.005	<0.005			142	1.91	0.005	25.2	1.08			2.28			9.45			
PZ-11	June-01	0.375	<0.050	0.006	0.052	<0.002	0.049	<0.010	<0.010	147	1.4	0.01	26.5	0.672	<0.0002	<0.012	2.79	<0.002	<0.010	10.1	<0.001	<0.010	0.098
PZ-11	Sept-01					<0.005	<0.005			169	1.49	0.005	31.4	1.92			2.37			11.4			
PZ-11	Dec-01					<0.005	<0.005			156	1.03	0.004	28.1	1.56			2.24			10.7			
PZ-11	Mar-02					<0.005	<0.005			135	4.04	0.004	23.2	1.38			2.15			9.19			
PZ-11	June-02					<0.005	<0.005			94.6	6.05	0.008	16.3	1.02			2.16			10.8			
PZ-11	Sept-02	0.763	<0.050	0.01	0.052	<0.002	<0.048	<0.010	<0.010	118	2.31	0.007	20.7	1.05	<0.0002	<0.012	2.34	<0.001	<0.010	11.9	<0.001	<0.010	0.041
PZ-11	Dec-02					<0.001	<0.001			109	0.344	0.002	17.5	0.535			2.09			10.9			
PZ-11	Apr-04	<0.1	<0.050	0.009	0.04	<0.002	0.066	<0.010	<0.010	116	2.39	0.007	19.3	0.653	<0.0002	<0.012	2.37	<0.001	<0.010	12.5	<0.001	<0.010	0.098
PZ-11	June-05																						
PZ-11	Oct-06	<0.200	<0.060	0.021	<0.200	<0.005	<0.050	<0.025	<0.010	190	9.3	<0.005	30	3.3	<0.0002	<0.040	<5	<0.010	<0.010	14	<0.010	<0.050	0.023
PZ-11	Dec-07	0.2	<0.01	0.019	<0.2	<0.01	<0.5	<0.01	<0.01	240	10	<0.01	40	3.6	<0.0002	<0.01	5.3	0.034	<0.01	15	<0.01	<0.01	0.048
PZ-11	Aug-09	0.24	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	<0.02	164	9.3	<0.02	31	2.8	<0.001	<0.02	3.7	<0.02	<0.01	14	0.04	<0.02	0.03

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Chase CA GW Qual.		0.003	0.003	0.003	1	0.003	1	0.005		0.05		0.2	0.3	0.025	30	0.3	0.002	0.1		0.01	0.05	20	0.0005		2
State & Code, Vol.		0.003	0.003	0.003	1	0.003	1	0.005		0.05		0.2	0.3	0.025	30	0.3	0.002	0.1		0.01	0.05	20	0.0005		2
MW-3B	March-97	1.2	<0.06	0.016	<0.2	<0.01	<1	<0.01	100	<0.01		<0.02	2.4	0.014	16	0.61	<0.0004	<0.01	1.7	<0.05	<0.01	14	<0.03		0.13
MW-3B	June-97							<0.01	110				3	<0.01	19	1.1			2			17			
MW-3B	Sept-97							<0.01	110				1.3	<0.01	18	0.3			1.3			20			
MW-3B	Dec-97							<0.01	110				1.1	<0.01	19	0.37			1.6			23			
MW-3B	Mar-98							<0.01	130				2	<0.01	27	0.76			2.3			33			
MW-3B	June-98							Sample Location Unrecoverable																	
MW-3B	Sept-98							Location Not Sampled																	
MW-3B	Dec-98							<0.01	190				2.6	<0.01	22	1.1			1.9			20			
MW-3B	Apr-99							<0.01	130				1.8	<0.01	24	0.99			1.5			30			
MW-3B	Jun-99							Location Not Sampled																	
MW-3B	Sept-99							Location Not Sampled																	
MW-3B	Dec-99	0.85	<0.01	0.0036	<0.2	<0.01	<0.5	<0.01	160	<0.01	<0.01	0.024	2.3	<0.01	30	1	<0.0002	0.019	2	0.03	<0.01	35	<0.01	<0.01	0.023
MW-3B	Apr-00							<0.0050	181				1.05	0.002	35.7	1.02			1.71			39.9			
MW-3B	Jun-00							<0.005	181				1.05	0.002	35.4	1.02			1.67			35			
MW-3B	Sept-00							<0.005	186				1.14	0.001	35.9	1.04			1.77			31.7			
MW-3B	Dec-00							<0.005	179				1.23	0.002	36.1	1.03			2.07			30.3			
MW-3B	Mar-01	<0.075	<0.050	0.0099	0.103	<0.002	0.238	<0.005	181	<0.010	<0.010	<0.017	1.5	0.006	36.3	1.06	0.0003	0.028	2.55	<0.002	<0.010	70.3	<0.001	<0.010	<0.020
MW-3B	Jun-01							<0.005	181				1.26	0.003	37.1	1.05			1.98			71.3			
MW-3B	Sept-01							<0.005	175				1.36	0.004	37.2	1.04			2.02			70.3			
MW-3B	Dec-01							<0.005	183				1.21	0.001	35.5	1.03			1.73			63.6			
MW-3B	Mar-02							<0.005	165				1.11	0.002	33.4	0.951			1.82			62			
MW-3B	Jun-02							<0.005	171	<0.010	<0.010	<0.017	1.32	0.002	35.4	0.955	<0.0002	0.02	2.11	0.001	<0.010	72.2	<0.001	<0.010	0.021
MW-3B	Sept-02	<0.075	<0.050	0.0038	0.117	<0.002	0.238	<0.005	177				1.27	<0.001	35	1.01			2.13			64.1			
MW-3B	Dec-02							<0.001	174	<0.002	<0.010	<0.017	1.52	0.003	36.1	1.03	<0.0002	0.015	2.53	0.001	<0.010	70.7	<0.001	<0.010	<0.020
MW-3B	Apr-04	<0.1	<0.050	0.045	0.132	<0.002	0.257	<0.001	370	0.0441	0.0282	0.0602	1.9	0.038	99	7.36	<0.00016	0.0567	12.1	<0.0019	0.0053	19.3	0.011	0.0499	0.221
MW-3B	Jun-05	30.3	<0.0025	0.0607	0.174	0.0013	0.0646	<0.0008	180	<0.010	<0.050	<0.025	1.9	<0.005	40	1.3	<0.0002	<0.040	<5	<0.010	<0.010	74	<0.010	<0.050	<0.020
MW-3B	Sept-06	<0.200	<0.060	0.041	<0.200	<0.005	0.27	<0.005	160	<0.01	<0.01	<0.01	1.5	<0.01	34	0.99	<0.0002	<0.01	4.3	0.36	<0.01	58	<0.01	<0.01	0.022
MW-3B	Dec-07	0.18	<0.01	0.001	0.2	<0.01	<0.5	<0.01	117	<0.02	<0.02	<0.02	1	<0.02	26	0.73	<0.001	<0.02	2.5	<0.02	<0.01	39	0.02	<0.02	0.02
MW-3B	Aug-09	0.31	<0.02	<0.02	0.2	<0.02	0.13	<0.02	117	<0.02	<0.02	<0.02	1	<0.02	26	0.73	<0.001	<0.02	2.5	<0.02	<0.01	39	0.02	<0.02	0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sh (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Chen GA GW Quab		1.00	0.002	0.002	1	0.000	1	0.000		0.05		0.2	0.2	0.002	25	0.2	0.000	0.1	0.05	0.01	0.05	20	0.000		2
Stor's & Gidd's Wd.																									
MTW-207S	March-97	73	<0.01	<0.01	1.3	<0.01	<1	<0.01	320	0.1		0.42	170	0.14	33	6.9	<0.0004	0.16	16	<0.05	<0.01	12	<0.03		0.73
MTW-207S	June-97							<0.01	290				128	0.098	67	2.5			10			9.6			
MTW-207S	Sept-97							<0.01	290				120	0.11	74	8.7			14			14			
MTW-207S	Dec-97							<0.01	270				130	0.13	70	5.7			15			14			
MTW-207S	Mar-98							<0.01	270				140	0.19	80	4.8			21			15			
MTW-207S	June-98	52	<0.06	0.13	0.64	<0.01	<1	<0.01	230	0.003	0.061	0.27	139	0.098	66	4.5	0.00021	0.12	15	<0.05	<0.01	14	<0.03	0.082	0.49
MTW-207S	Sept-98							<0.01	330				210	0.099	87	6.1			23			12			
MTW-207S	Dec-98							<0.01	360				300	0.14	90	8.2			4.8			12			
MTW-207S	Apr-99							<0.01	310				300	0.11	91	9.7			12			11			
MTW-207S	Jun-99							<0.01	410				310	0.11	95	7.3			9.3			14			
MTW-207S	Sept-99							<0.01	380				330	0.11	90	7.3			12			11			
MTW-207S	Dec-99	63	<0.01	0.29	1.4	<0.01	<1	0.012	400	0.002	0.091	0.45	300	0.12	92	7.3	0.00063	0.17	8.9	<0.01	<0.01	11	<0.01	0.096	0.55
MTW-207S	Apr-00	48.5	<0.050	0.06	0.699	0.000	0.073	0.007	219	0.003	0.048	0.340	130	0.034	59	3.63	0.0004	0.109	10.9	0.002	<0.010	10.9	<0.001	0.082	0.387
MTW-207S	Jun-00							<0.0050	209				34.1	0.017	39.3	2.34			3.47			10.5			
MTW-207SA	Sept-00							<0.005	196				30.3	0.007	38.7	1.84			2.87			10.6			
MTW-207SA	Dec-00							<0.005	180				25.8	0.002	34	1.77			2.67			9.53			
MTW-207SA	Mar-01							<0.005	181				21.5	0.001	33.3	1.37			2.95			10.3			
MTW-207SA	Jun-01	1.02	<0.050	0.037	0.167	<0.002	<0.048	<0.005	182	<0.010	<0.010	<0.017	27.6	0.006	36	1.46	0.0002	<0.012	3.35	<0.002	<0.010	10.5	<0.001	<0.010	<0.020
MTW-207SA	Sept-01							<0.005	199				34.8	0.009	39.8	1.77			3.52			11			
MTW-207SA	Dec-01							<0.005	202				33.4	0.004	40.8	1.61			3.12			11.2			
MTW-207SA	Mar-02							<0.005	189				20.3	0.003	36.8	1.4			2.83			10.2			
MTW-207SA	Jun-02							<0.005	182				21.6	0.002	36	1.34			2.43			10.9			
MTW-207SA	Sept-02	<0.075	<0.050	0.045	0.195	<0.002	0.056	<0.005	187	<0.010	<0.0100	<0.017	26.8	0.002	36.2	1.42	<0.0002	<0.012	2.48	0.001	<0.010	11.1	<0.001	<0.010	<0.020
MTW-207SA	Dec-02							<0.001	181				30.5	<0.001	34.1	1.18			2.58			8.98			
MTW-207SA	Apr-04	<0.1	<0.050	0.044	0.224	<0.002	0.118	<0.001	171	<0.002	<0.010	<0.017	21.4	<0.001	33.6	1.37	<0.0002	0.013	2.79	<0.001	<0.010	10	<0.001	<0.010	<0.020
MTW-207SA	Jun-05	9.19	<0.0025	0.0603	0.322	<0.0004	0.0422	<0.0008	163	0.044	0.0106	0.0514	30.9	0.0195	36.4	1.39	<0.00016	0.0147	6.16	<0.0039	0.0019	9.99	<0.0029	0.0176	0.109
MTW-207SA	Sept-06	<0.200	<0.060	0.191	0.3	<0.005	<0.050	<0.005	150	<0.010	<0.050	<0.025	19	<0.005	31	1	<0.0002	<0.040	<1	<0.010	<0.010	10	<0.010	<0.050	<0.020
MTW-207SA	Dec-07	15	<0.01	0.041	0.51	<0.01	<0.5	<0.01	170	0.021	0.022	0.16	45	0.042	49	1.3	<0.0002	0.052	6.8	0.48	<0.01	9.5	<0.01	0.012	0.23
MTW-207SA	Aug-09	9.7	<0.02	<0.02	0.45	<0.02	<0.1	<0.02	162	<0.02	<0.02	0.07	35	0.02	37	1.3	<0.001	0.02	5.4	0.02	<0.01	11	0.09	<0.02	0.08

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Si (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Chas. G. W. Quail		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
San Joaquin		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
MW-207D	March-97	0.73	<0.06	<0.01	<0.2	<0.01	<1	<0.01	120	<0.01	<0.01	<0.02	12	0.012	22	1.1	<0.0004	<0.01	4.6	<0.05	<0.01	4.2	<0.03		0.17
MW-207D	June-97							<0.01	130				12	0.014	28	1.7			3.9			5.1			
MW-207D	Sept-97							<0.01	140				12	<0.01	30	0.94			7.1			9.4			
MW-207D	Dec-97							<0.01	160				12	<0.01	30	2			3			14			
MW-207D	Mar-98							<0.01	190				12	0.021	30	2.8			5.8			13			
MW-207D	June-98	2.2	<0.06	0.007	<0.2	<0.01	<1	<0.01	150	<0.01	<0.01	<0.02	12	<0.01	31	1.3	<0.0002	<0.01	3.2	<0.05	<0.01	9.4	<0.03	<0.03	0.15
MW-207D	Sept-98							<0.01	200				12	0.01	40	2.2			2.8			13			
MW-207D	Dec-98							<0.01	210				12	<0.01	30	1.4			<1			12			
MW-207D	Apr-99							<0.01	170				12	<0.01	35	2.4			2.4			12			
MW-207D	June-99							<0.01	220				12	<0.01	41	3.4			2.9			17			
MW-207D	Sept-99							<0.01	180				12	<0.01	34	2.1			2.7			13			
MW-207D	Dec-99	2.4	<0.01	0.008	<2	<0.01	<5	<0.01	190	<0.01	<0.01	0.014	12	<0.01	40	2.1	<0.002	<0.01	3	0.017	<0.01	16	<0.01	<0.01	0.051
MW-207D	Apr-00	0.785	<0.050	0.011	0.04	<0.002	<0.048	<0.0050	133	<0.010	<0.010	<0.017	12	0.003	29.1	0.884	<0.0002	<0.012	5.8	<0.002	<0.010	17.4	<0.001	<0.010	0.052
MW-207D	June-00							<0.0050	174				12	0.001	34.5	1.82			1.31			12.5			
MW-207D	Sept-00							<0.005	188				12	0.01	36.7	1.96			1.4			12.7			
MW-207D	Dec-00							<0.005	186				12	0.001	35.6	1.98			1.4			11.7			
MW-207D	Mar-01							<0.005	185				12	0.001	37	2.02			1.48			11.5			
MW-207D	June-01	0.098	<0.050	0.002	0.147	<0.002	<0.048	<0.005	179	<0.010	<0.010	<0.017	12	0.007	35.4	2.06	<0.0002	<0.012	1.79	<0.002	<0.010	11.3	<0.001	<0.010	<0.020
MW-207D	Sept-01							<0.005	182				12	0.018	36.9	2.16			1.41			11.4			
MW-207D	Dec-01							<0.005	180				12	0.002	36.7	2.18			1.23			10.8			
MW-207D	Mar-02							<0.005	171				12	<0.001	34.2	2.12			1.14			10.2			
MW-207D	June-02							<0.005	158				12	0.005	32.3	2.09			1.23			10.3			
MW-207D	Sept-02	<0.075	<0.050	0.005	0.131	<0.002	<0.048	<0.005	160	<0.010	<0.0100	<0.017	12	<0.001	32.4	2.03	<0.0002	0.021	1.16	<0.001	<0.010	10.5	<0.001	<0.010	<0.020
MW-207D	Dec-02							<0.001	162				12	<0.001	31.2	2.04			1.25			8.82			
MW-207D	Apr-04	<0.1	<0.050	0.003	0.111	<0.002	<0.048	<0.001	141	<0.002	<0.010	<0.017	12	<0.001	29	1.86	<0.0002	0.016	1.37	<0.001	<0.010	9.63	<0.001	<0.010	<0.020
MW-207D	June-05	0.204	<0.0025	0.0063	0.043	<0.0004	0.0238	<0.0008	94.4	0.0054	<0.0019	0.0036	10.9	0.0091	27	2.24	<0.0016	0.0027	8.42	<0.0039	0.0021	19.8	<0.0029	<0.002	0.0934
MW-207D	Sept-06	<0.200	<0.060	0.001	<0.200	<0.005	<0.050	<0.005	130	<0.010	<0.050	<0.025	12	<0.005	28	2.3	<0.0002	<0.040	<5	<0.010	<0.010	10	<0.010	<0.050	<0.020
MW-207D	Dec-07	3.3	<0.01	0.009	<0.2	<0.01	<0.5	<0.01	140	<0.01	<0.01	0.014	11	<0.01	30	2.2	<0.0002	<0.01	3.7	0.03	<0.01	13	<0.01	<0.01	0.081
MW-207D	Aug-09	3.2	<0.02	<0.02	0.1	<0.02	<0.1	<0.02	116	<0.02	<0.02	0.02	6.7	<0.02	26	2	<0.001	<0.02	1.9	<0.02	<0.01	9.6	<0.02	<0.02	0.04

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Class C1W Quin. Sigs & Code, Val.		0.005	0.005	0.005	0.005	0.005	1	0.005		0.05		0.2	0.5	0.005	30	0.5	0.002	0.1	0.01	0.01	0.05	0.05	0.0005	0.0005	0.13
MW-220	March-97	6.2	0.002	<0.01	<0.2	<0.01	<1	<0.01	220	<0.01	<0.01	0.021	15	0.016	32	1.5	<0.0004	0.013	5.4	<0.05	<0.01	9.4	<0.03		0.13
MW-220	June-97							<0.01	220				19	0.016	39	1.7			4.9			13			
MW-220	Sept-97							<0.01	220				33	0.007	62	2.6			7			22			
MW-220	Dec-97							<0.01	220				41	0.04	63	2.3			7.3			21			
MW-220	Mar-98							<0.01	230				44	0.056	70	2.4			7.9			19			
MW-220	June-98	7.9	<0.06	0.017	<0.2	<0.01	<1	<0.01	270	0.017	<0.01	<0.02	33	0.014	92	2.1	0.00035	0.022	10	<0.05	<0.01	16	<0.03	<0.03	0.11
MW-220	Sept-98							<0.01	340				40	0.76	110	3.6			26			16			
MW-220	Dec-98							<0.01	410				180	0.005	110	6.3			14			22			
MW-220	Apr-99							<0.01	330				41	0.027	89	2.1			6.2			19			
MW-220	June-99							<0.01	300				42	0.018	17	2.2			5.4			18			
MW-220	Sept-99							<0.01	400				26	<0.01	110	2.5			8.1			17			
MW-220	Dec-99	16	<0.01	0.011	<0.2	<0.01	<0.5	<0.01	250	0.024	0.016	0.056	25	0.059	69	3.5	<0.0002	0.042	6	<0.01	<0.01	17	<0.01	0.02	0.078
MW-220	Apr-00	0.378	<0.050	<0.002	0.056	<0.002	0.079	<0.0050	228	<0.010	<0.010	<0.017	11	0.001	313	1.5	<0.0002	<0.012	4.82	<0.002	<0.010	18.2	<0.001	<0.010	<0.020
MW-220	June-00							<0.0050	364				258	0.004	109	2.63			3.37			13			
MW-220	Sept-00							0.005	225				16.1	0.013	58.5	1.9			4.18			12.1			
MW-220	Dec-00							<0.005	250				199	0.005	72.7	1.39			3.38			12.4			
MW-220	Mar-01							<0.005	184				9.85	0.004	47.4	1.17			2.54			16.6			
MW-220	June-01	0.461	<0.050	0.006	0.047	<0.002	0.059	<0.005	187	<0.010	<0.010	<0.017	3.64	0.008	87.3	1.60	<0.0002	0.012	2.85	<0.002	<0.010	12	<0.001	<0.010	<0.020
MW-220	Sept-01							<0.005	193				11.3	0.016	50.5	1.79			3.6			14			
MW-220	Dec-01							<0.005	199				8.01	0.007	52.9	1.52			3.24			14.1			
MW-220	Mar-02							<0.005	213				8.53	0.006	53.5	1.68			3.34			15.1			
MW-220	June-02							<0.005	247				32.2	0.008	61.1	2.15			4.82			20.3			
MW-220	Sept-02	1.43	<0.050	0.005	0.058	<0.002	0.082	<0.005	210	<0.010	<0.0100	0.024	5.24	0.006	50.7	1.55	<0.0002	0.015	3.09	0.001	<0.010	13.2	<0.001	<0.010	0.026
MW-220	Dec-02							<0.001	328				3.17	0.003	84.6	1.84			3.75			13.6			
MW-220	Apr-04	4.09	<0.050	0.01	0.061	<0.002	0.147	<0.001	177	0.004	<0.010	0.018	7	0.005	44.8	1.41	<0.002	0.016	2.95	<0.001	<0.010	14.6	<0.001	<0.010	0.024
MW-220	June-05	1.03	<0.0025	0.0242	0.0589	<0.0004	0.0508	<0.00080	192	0.0032	0.0026	0.0042	3.59	0.0102	41.7	2.5	<0.00016	<0.0023	5.51	<0.0039	0.0045	13	0.0056	<0.002	0.0794
MW-220	Sept-06	<0.200	<0.060	0.0051	<0.200	<0.005	0.054	<0.005	230	<0.010	<0.050	<0.025	0.86	<0.005	60	1.3	<0.0002	<0.040	<5	<0.010	<0.010	14	<0.010	<0.050	<0.020
MW-220	Dec-07	2.6	<0.01	0.003	<0.2	<0.01	<0.5	<0.01	210	<0.01	<0.01	0.011	10	0.015	49	3.9	<0.0002	<0.01	8.7	0.49	<0.01	19	<0.01	<0.01	0.052
MW-220	Aug-09	3.6	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	174	<0.02	<0.02	0.02	11	0.02	47	1.7	<0.001	<0.02	3.1	<0.02	<0.01	10	0.02	<0.02	0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	Au (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Chen-GA GW Qual.		0.003	0.003	0.003	1	0.001	1	0.005		0.01		0.2	0.3	0.005	35	0.3	0.002	0.1		0.01	0.01	30	0.0005		3
Surf & Gnd. Yd.		0.003	0.003	0.003	1	0.001	1	0.005		0.01		0.2	0.3	0.005	35	0.3	0.002	0.1		0.01	0.01	30	0.0005		3
MW-221S	March-97	59	0.3	<0.01	0.4	<0.01	<1	<0.01	250	0.073		0.2	91	0.11	33	10	<0.0004	0.13	15	<0.05	<0.01	50	<0.03		0.55
MW-221S	June-97							<0.01	240				40	0.041	33	7.9			7.9			50			
MW-221S	Sept-97							<0.01	260				110	0.11	75	10			20			50			
MW-221S	Dec-97							<0.01	290				220	0.15	10	9.6			18			50			
MW-221S	Mar-98							<0.01	290				85	0.11	60	4.3			13			17			
MW-221S	June-98	30	<0.06	0.001	0.23	<0.01	<1	<0.01	220	0.048	0.026	0.092	50	0.064	32	3.9	<0.0002	0.08	11	<0.05	<0.01	20	<0.03	0.04	0.34
MW-221S	Sept-98							<0.01	320				130	0.005	80	12			26			50			
MW-221S	Dec-98							<0.01	380				120	0.006	87	30			15			50			
MW-221S	Apr-99							<0.01	320				57	0.048	35	2.8			7.5			16			
MW-221S	June-99							<0.01	380				130	0.074	78	6.3			7.9			20			
MW-221S	Sept-99							<0.01	300				16	<0.01	37	1.8			7.9			16			
MW-221S	Dec-99	16	<0.01	0.002	0.23	<0.01	<0.5	<0.01	220	0.022	0.02	0.078	39	0.044	67	3.6	<0.0002	0.05	7.3	<0.01	<0.01	20	<0.01	0.02	0.14
MW-221S	Apr-00	10.1	<0.050	0.009	0.174	<0.002	<0.048	<0.0050	235	0.021	<0.010	0.048	10.4	0.024	33	1.45	<0.0002	0.15	4.6	<0.002	<0.010	11.2	<0.001	0.021	0.096
MW-221S	June-00							<0.0050	229				0.028	0.009	33.2	0.664			3.18			15.2			
MW-221S	Sept-00							<0.005	205				175	0.009	32.5	1.3			3.88			15.5			
MW-221S	Dec-00							<0.005	214				4.99	0.006	26.8	0.893			3.42			9.8			
MW-221S	Mar-01							<0.005	214				5.34	0.005	40.8	2.01			4.6			30.4			
MW-221S	June-01	0.206	<0.050	0.002	0.121	<0.002	0.084	<0.005	192	<0.010	<0.010	0.018	0.014	0.008	27.8	0.425	<0.0002	<0.012	3.27	<0.002	<0.010	18	<0.001	<0.010	<0.020
MW-221S	Sept-01							<0.005	196				12.8	0.02	32.7	1.60			4.66			19.9			
MW-221S	Dec-01							<0.005	209				9.22	0.007	30.4	3.4			4.53			23.9			
MW-221S	Mar-02							<0.005	198				16.9	0.009	40.3	2.68			5.04			21.8			
MW-221S	June-02							<0.005	228				11.8	0.01	35.8	2.31			3.89			8.51			
MW-221S	Sept-02	2.84	<0.050	0.015	0.097	<0.002	0.092	<0.005	198	<0.010	<0.0100	0.022	7.37	0.006	33.4	2.1	<0.0002	0.016	3.74	0.001	<0.010	18.2	<0.001	<0.010	0.042
MW-221S	Dec-02							<0.001	231				4.26	0.008	30.5	1.72			3.32			8.98			
MW-221S	Apr-04	0.141	<0.050	0.002	0.134	<0.002	0.112	<0.001	193	0.002	<0.010	<0.017	2.71	0.003	21.7	0.27	<0.0002	<0.012	2.98	0.002	<0.010	10	<0.001	<0.010	<0.020
MW-221S	June-05	1.72	<0.0025	0.0062	0.285	<0.0004	0.0397	<0.0008	205	0.003	0.0021	0.0068	2.9	0.0088	19.5	0.451	<0.00016	0.0027	3.94	<0.0039	0.0027	14.4	<0.0029	0.0031	0.0279
MW-221S	Sept-06	<0.200	<0.060	<0.005	0.29	<0.005	<0.050	<0.005	160	<0.010	<0.030	<0.025	0.11	<0.005	12	0.032	<0.0002	<0.040	<5	<0.010	<0.010	9.7	<0.010	<0.050	<0.020
MW-221S	Dec-07	13	<0.01	0.002	0.33	<0.01	<0.5	<0.01	200	0.018	0.12	0.05	0.7	0.004	26	1.8	<0.0002	0.029	6.3	0.002	<0.01	12	<0.01	0.014	0.13
MW-221S	Aug-09	5.8	<0.02	<0.02	0.27	<0.02	<0.1	<0.02	183	<0.02	<0.02	0.02	8.3	0.02	19	0.75	<0.001	<0.02	4	<0.02	<0.01	18	0.03	<0.02	0.03

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Case GA GW Quab.		0.005	0.005	0.005	1	0.005	1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
Suff & Gales, Va.		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
MW-221D	March-97	<0.01	<0.06	<0.01	<0.2	<0.01	<1	<0.01	37	<0.01	<0.01	<0.02	0.19	<0.01	14	<0.01	<0.0004	0.012	2.1	<0.05	<0.01	9.8	<0.03		0.056
MW-221D	June-97							<0.01	40				0.64	<0.01	16	0.024			2.5			13			
MW-221D	Sept-97							<0.01	36				0.31	<0.01	14	<0.01			2			14			
MW-221D	Dec-97							<0.01	37				0.16	<0.01	16	<0.01			3.3			15			
MW-221D	Mar-98							<0.01	41				0.65	0.01	16	0.025			3			15			
MW-221D	June-98	0.11	<0.06	<0.01	<0.2	<0.01	<1	<0.01	38	<0.01	<0.01	<0.02	0.23	<0.01	18	<0.01	<0.0002	0.014	4.1	<0.05	<0.01	16	<0.03	<0.03	0.11
MW-221D	Sept-98							<0.01	39				0.13	<0.01	17	<0.01			4.2			12			
MW-221D	Dec-98							<0.01	67				0.31	<0.01	17	0.016			3.2			16			
MW-221D	Apr-99							<0.01	40				0.29	0.01	17	0.014			2.6			15			
MW-221D	June-99							<0.01	51				0.31	<0.01	21	0.01			3			20			
MW-221D	Sept-99							<0.01	44				0.19	<0.01	18	<0.01			3.5			16			
MW-221D	Dec-99	<0.1	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	43	<0.01	<0.01	<0.01	0.19	<0.01	18	<0.01	<0.0002	<0.01	2.9	0.05	<0.01	15	0.023	<0.01	0.028
MW-221D	Apr-00	<0.075	<0.050	<0.002	0.05	<0.002	0.073	<0.0050	39.2	<0.010	<0.010	<0.017	0.041	0.002	16.7	<0.005	<0.0002	<0.012	2.24	<0.002	<0.010	14.5	<0.001	<0.010	<0.020
MW-221D	June-00							<0.0050	41.7				0.276	0.002	17.7	0.006			2.13			15.4			
MW-221D	Sept-00							<0.005	44				0.054	0.006	18.2	<0.005			2.12			15.3			
MW-221D	Dec-00							<0.005	42.9				0.049	0.002	17.3	<0.005			2.39			14.3			
MW-221D	Mar-01							<0.005	42				0.063	0.007	17.6	<0.005			2.49			15			
MW-221D	June-01	<0.075	<0.050	<0.002	0.048	<0.002	0.066	<0.005	40.3	<0.010	<0.010	<0.017	0.057	0.007	16.9	<0.005	<0.0002	<0.012	2.85	<0.002	<0.010	14.8	<0.001	<0.010	<0.020
MW-221D	Sept-01							<0.005	41.8				0.041	0.01	17.6	0.013			2.44			15.1			
MW-221D	Dec-01							<0.005	41.5				0.206	0.003	17.4	0.008			2.21			14.6			
MW-221D	Mar-02							<0.005	43.1				0.151	0.002	17.4	0.007			2.21			14.4			
MW-221D	June-02	<0.075	<0.050	<0.001	0.047	<0.002	0.059	<0.005	38.7	<0.010	<0.010	<0.017	0.111	0.003	16.1	0.007	<0.0002	<0.012	2.01	<0.001	<0.010	14.4	<0.001	<0.010	<0.020
MW-221D	Sept-02							0.001	44.1				0.114	0.003	17.4	0.007			2.43			14.1			
MW-221D	Dec-02	<0.1	<0.050	<0.001	0.049	<0.002	0.052	<0.001	41.4	<0.002	<0.010	<0.017	0.14	<0.001	17	0.005	<0.0002	<0.012	2.5	<0.001	<0.010	14.9	<0.001	<0.010	<0.020
MW-221D	Apr-04	0.177	<0.0025	<0.0031	0.0413	<0.0004	0.0381	<0.0008	46.4	0.0017	<0.0019	0.0025	0.077	0.004	18.7	0.0185	<0.00016	<0.0023	3.03	<0.0039	0.0018	14.5	<0.0029	<0.002	0.0126
MW-221D	Sept-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	45	<0.010	<0.030	<0.025	0.26	<0.005	19	0.04	<0.0002	<0.040	<5	<0.010	<0.010	15	<0.010	<0.050	<0.020
MW-221D	Dec-07	0.12	<0.01	0.015	<0.2	<0.01	<0.5	<0.01	45	<0.01	<0.01	<0.01	0.25	<0.01	19	<0.01	<0.0002	<0.01	3.4	0.05	<0.01	15	<0.01	<0.01	0.025
MW-221D	Aug-09	0.41	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	46	<0.02	<0.02	<0.02	0.12	<0.02	19	<0.02	<0.001	<0.02	4.2	<0.02	0.01	15	0.02	<0.02	0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Cham-GA GW Qual.		0.005	0.005	0.005	1	0.001	1	0.005		0.05	0.3	0.3	0.005	35	0.3	0.002	0.1	6.4	0.03	0.03	29	0.000	1	1
Sed's & Conc. Yr.		0.005	0.005	0.005																				
MW-222	March-97	11	<0.06	<0.01	0.28	<0.01	<1	<0.01	270	0.015	0.054	54	0.038	26	2.4	<0.0004	0.031	6.4	<0.05	<0.01	25	<0.03		0.19
MW-222	June-97							<0.01	290			44	0.022	41	1.8			6.5			60			
MW-222	Sept-97							<0.01	290			64	0.044	64	1.9			11			200			
MW-222	Dec-97							<0.01	220			45	0.03	66	1			28			270			
MW-222	Mar-98							<0.01	190			33	0.015	56	1.1			17			130			
MW-222	June-98	4.7	<0.06	0.005	0.27	<0.01	<1	<0.01	190	0.011	<0.01	34	0.018	53	1.4	<0.0002	0.021	12	<0.05	<0.01	37	<0.03	<0.03	0.092
MW-222	Sept-98							<0.01	290			23	0.03	75	2			16			35			
MW-222	Dec-98							<0.01	340			94	0.019	99	1.3			40			170			
MW-222	Apr-99							<0.01	270			82	0.017	97	1.9			22			300			
MW-222	June-99							<0.01	200			70	0.02	84	1.2			22			160			
MW-222	Sept-99							<0.01	180			54	<0.01	68	0.9			49			110			
MW-222	Dec-99	3.8	<0.01	0.001	0.82	<0.01	<0.5	<0.01	160	<0.01	0.012	39	0.018	55	0.82	<0.0002	0.042	48	<0.01	<0.01	120	<0.01	<0.01	0.072
MW-222	Apr-00	2.17	<0.050	0.025	0.423	<0.002	0.25	<0.0050	169	<0.010	<0.010	22.2	0.006	83.9	0.303	<0.0002	<0.012	24.2	<0.002	<0.010	39.3	<0.001	0.011	0.034
MW-222	June-00							<0.0050	202			33.7	0.001	66.4	1.26			9.94			25.5			
MW-222	Sept-00							<0.005	218			57	0.007	81.8	0.877			7.54			40.3			
MW-222	Dec-00							<0.005	228			50.2	0.002	70.4	0.65			15.9			47.2			
MW-222	Mar-01							<0.005	230			44.4	0.005	73	0.92			7.42			41.7			
MW-222	June-01	0.392	<0.050	0.021	0.251	<0.002	0.072	<0.005	205	<0.010	<0.010	38.6	0.007	49.3	0.469	<0.0002	0.017	6.77	<0.002	<0.010	50.9	<0.001	<0.010	0.024
MW-222	Sept-01							<0.005	235			44	0.005	87.5	0.39			7.42			61.8			
MW-222	Dec-01							<0.005	194			32.6	0.002	64.5	0.266			30.7			161			
MW-222	Mar-02							<0.005	128			37.7	0.002	36.7	0.163			43.6			143			
MW-222	June-02							<0.005	137			30.5	0.004	41.1	0.817			37.7			91.9			
MW-222	Sept-02	0.14	<0.050	0.017	0.325	<0.002	0.265	<0.005	153	<0.010	<0.010	30.2	0.002	46.3	0.555	<0.0002	<0.012	27.6	<0.001	<0.010	57	<0.001	<0.010	0.02
MW-222	Dec-02							<0.001	179			35	0.002	59.6	0.358			18.6			37.3			
MW-222	Apr-04	0.114	<0.050	0.025	0.433	<0.002	0.105	<0.001	223	<0.002	<0.010	64.2	0.003	58.8	0.372	<0.0002	0.012	4.39	0.001	<0.010	74	<0.001	<0.010	0.032
MW-222	June-05	0.0111	<0.0025	0.0205	0.79	<0.0004	0.254	<0.0008	24.4	<0.0009	<0.00019	32.1	0.0086	27.6	0.379	<0.00016	0.0085	7.8	<0.0039	0.0048	75.1	<0.0029	0.0025	0.107
MW-222	Sept-06	<0.200	<0.060	0.005	0.54	<0.005	0.18	<0.005	230	<0.010	<0.050	41	<0.005	58	0.5	<0.0002	<0.040	9.5	<0.010	<0.010	57	<0.010	<0.050	0.058
MW-222	Dec-07	0.3	<0.01	0.01	0.41	<0.01	0.58	<0.01	240	<0.01	<0.01	24	<0.01	53	0.73	<0.0002	0.012	16	0.002	<0.01	83	<0.01	<0.01	0.068
MW-222	Aug-09	0.06	<0.02	<0.02	0.47	<0.02	<0.1	<0.02	220	<0.02	<0.02	28	<0.02	61	0.66	<0.001	<0.02	5.7	<0.02	<0.01	21	0.03	<0.02	<0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	Au (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Cu (mg/l)	Cr (mg/l)	Co (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Case 04 GW Quik		0.005	0.005	0.005	1	0.005	1	0.005	0.2	0.05	0.05	0.3	0.002	20	0.3	0.005	0.1	1.9	0.01	0.01	20	0.0005	0.0005	0.0005
State's Code, Val.		0.005	0.005	0.005	1	0.005	1	0.005	0.2	0.05	0.05	0.3	0.002	20	0.3	0.005	0.1	1.9	0.01	0.01	20	0.0005	0.0005	0.0005
MW-223S	March-97	0.34	<0.06	<0.01	<0.2	<0.01	<1	<0.01	<0.02	<0.01		17	<0.01	29	0.4	<0.0004	<0.01	1.9	<0.05	<0.01	6.9	<0.3		0.07
MW-223S	June-97											38	<0.01	45	2.9			2.7			6.6			
MW-223S	Sept-97											3.3	<0.01	30	0.36			2			10			
MW-223S	Dec-97											19	<0.01	46	2.9			2.1			9.6			
MW-223S	Mar-98											3.3	<0.01	32	0.33			5			15			
MW-223S	June-98	3.5	<0.06	0.02	<0.2	<0.01	<1	<0.01	<0.02	<0.01		22	0.011	60	3.6	<0.0002	<0.01	3.4	<0.05	<0.01	12	<0.03	<0.03	0.18
MW-223S	Sept-98											6.3	<0.01	44	1.7			2.9			10			
MW-223S	Dec-98											3.3	<0.01	41	1.4			2.3			15			
MW-223S	Apr-99											3.5	<0.01	52	3.6			2			11			
MW-223S	Jun-99											0.3	0.012	32	2			2.1			15			
MW-223S	Sept-99											12	<0.01	52	3.3			2.6			16			
MW-223S	Dec-99	1.8	<0.01	0.004	<0.2	<0.01	<0.5	<0.01	<0.01	<0.01		36	<0.01	51	3.9	<0.0002	<0.01	2.3	<0.01	<0.01	14	<0.01	<0.01	<0.01
MW-223S	Apr-00	1.38	<0.050	0.021	0.101	<0.002	0.064	<0.0050	<0.017	<0.010		34	0.002	50.5	3.93	<0.0002	<0.012	1.84	<0.002	<0.010	12.1	<0.001	<0.010	0.029
MW-223S	Jun-00							<0.0050	233			26.3	0.002	46	1.03			1.4			16.5			
MW-223S	Sept-00							<0.005	243			34.2	0.008	50.3	1.06			1.35			18			
MW-223S	Dec-00							<0.005	235			34.6	<0.001	47.6	3.85			1.24			15.7			
MW-223S	Mar-01							<0.005	213			31.4	0.001	45.3	2.46			1.49			12.6			
MW-223S	Jun-01	<0.075	<0.050	0.024	0.056	<0.002	<0.048	<0.005	<0.017	<0.010		23.9	0.004	46.2	3.1	<0.0002	0.018	1.91	<0.002	<0.010	13.2	<0.001	<0.010	<0.020
MW-223S	Sept-01							<0.005	211			22.8	0.002	43.8	3.53			1.4			18.5			
MW-223S	Dec-01							<0.005	207			31.5	<0.001	43.5	3.36			1.34			17.3			
MW-223S	Mar-02							<0.005	213			31.5	0.003	44.1	3.51			1.37			12.4			
MW-223S	Jun-02							<0.005	205			20.9	<0.001	44.2	3.39			1.29			13.4			
MW-223S	Sept-02	<0.075	<0.050	0.022	0.057	<0.002	<0.048	<0.005	<0.017	<0.010		20.3	0.002	42.9	3.21	<0.0002	0.014	1.3	0.001	<0.010	15.8	<0.001	<0.010	<0.020
MW-223S	Dec-02							<0.001	224			31.9	<0.001	45.3	3.52			1.54			14.4			
MW-223S	Apr-04	<0.1	<0.050	0.024	0.072	<0.002	0.053	<0.001	<0.017	<0.002		18.8	<0.001	34	2.89	<0.0002	0.02	1.5	<0.001	<0.010	13.3	<0.001	<0.010	<0.020
MW-223S	Jun-05	0.0696	<0.0025	<0.0031	0.134	<0.0004	0.0255	<0.0008	0.0027	0.0029	<0.0019	1.49	0.0024	3.27	0.9928	<0.00016	<0.0023	2.44	<0.0039	0.0024	12.5	<0.0029	<0.002	0.0186
MW-223S	Sept-06	<0.200	<0.060	0.001	<0.200	<0.005	<0.050	<0.005	<0.025	<0.010	<0.025	17	<0.005	36	2.8	<0.0002	<0.040	<5	<0.010	<0.010	19	<0.010	<0.050	<0.020
MW-223S	Dec-07	2.5	<0.01	0.024	<0.2	<0.01	<0.5	<0.01	0.012	<0.01		11	<0.01	51	2.3	<0.0002	<0.01	2.8	0.48	<0.01	19	<0.01	<0.01	0.063
MW-223S	Aug-09	0.28	<0.02	<0.02	0.12	<0.02	<0.1	<0.02	0.03	0.02		8.3	<0.02	41	2	<0.001	0.05	1.7	<0.02	0.15	16	0.06	<0.02	0.05

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)	
Class 1A GW Qual		0.005	0.005	0.005	1	0.005	1	0.005	0.05	0.05	0.5	0.5	0.005	30	0.5	0.005	0.1	0.01	0.01	0.01	20	0.0005	0.005	0.005	
State & Code Val		0.005	0.005	0.005	1	0.005	1	0.005	0.05	0.05	0.5	0.5	0.005	30	0.5	0.005	0.1	0.01	0.01	0.01	20	0.0005	0.005	0.005	
MW-223D	March-97	0.39	<0.06	0.02	<0.2	0.005	<1	110	0.025		0.028	2.2	0.005	22	0.65	<0.0004	0.023	2.6	<0.05	<0.01	7.9	<0.03		0.12	
MW-223D	June-97					<0.01	<0.01	190				2.7	<0.01	38	1.5			1.5			6.7				
MW-223D	Sept-97					<0.01	<0.01	160				3.1	<0.01	34	1			2.1			12				
MW-223D	Dec-97					<0.01	<0.01	180				3.6	<0.01	40	1.4			1.9			11				
MW-223D	Mar-98					<0.01	<0.01	120				5.8	<0.01	30	0.65			4.5			14				
MW-223D	June-98	2.5	<0.06	<0.01	<0.2	<0.01	<1	180	<0.01	<0.01	<0.02	7.3	<0.01	48	1.7	<0.0002	<0.01	2.6	<0.05	<0.01	12	<0.03	<0.03	0.07	
MW-223D	Sept-98					<0.01	<0.01	170				7.1	<0.01	39	1.1			3.8			9.8				
MW-223D	Dec-98					<0.01	<0.01	280				6.6	<0.01	42	1.3			2.4			14				
MW-223D	Apr-99					<0.01	<0.01	210				3.6	<0.01	49	1.7			1.5			12				
MW-223D	Jun-99					<0.01	<0.01	210				3.9	0.012	44	1.3			2.1			18				
MW-223D	Sept-99					<0.01	<0.01	200				0.8	<0.01	47	1.7			2.4			12				
MW-223D	Dec-99	1.4	<0.01	0.024	<2	<0.01	<5	160	<0.01	<0.01	0.012	7.5	<0.01	38	1.1	<0.0002	<0.01	1.7	<0.01	<0.01	13	<0.01	<0.01	<0.01	
MW-223D	Apr-00	0.486	<0.050	0.011	0.058	<0.002	0.064	<0.0050	189	<0.010	<0.010	3.92	<0.001	45.8	1.63	<0.0002	<0.012	1.5	<0.002	<0.010	11.6	<0.001	<0.010	0.029	
MW-223D	Jun-00					<0.0050	201					6.19	0.003	42.2	1.72			1.3			11.9				
MW-223D	Sept-00					<0.005	215					4.64	0.003	49.3	1.83			1.14			11.8				
MW-223D	Dec-00					<0.005	228					6.4	0.001	51.4	1.89			1.11			11.9				
MW-223D	Mar-01					<0.005	210					4.38	0.024	49.1	1.81			1.43			12.2				
MW-223D	Jun-01	0.291	<0.050	0.023	0.051	<0.002	<0.048	<0.005	196	<0.010	<0.010	4.07	0.005	45.9	1.79	0.0003	<0.012	1.81	<0.002	<0.010	12.5	<0.001	<0.010	<0.020	
MW-223D	Sept-01					<0.005	200					5.45	0.003	47.6	1.79			1.32			12.7				
MW-223D	Dec-01					<0.005	205					3.91	<0.001	48.9	1.84			1.26			12.7				
MW-223D	Mar-02					<0.005	212					4.9	0.001	46	1.89			1.22			12.9				
MW-223D	June-02					<0.005	195					4.77	<0.001	46.5	1.77			1.2			13				
MW-223D	Sept-02	<0.075	<0.050	0.024	0.047	<0.002	<0.048	<0.005	190	<0.010	0.012	<0.017	4.67	0.002	44.9	1.7	<0.0002	0.013	1.13	0.001	<0.010	12.6	<0.001	<0.010	<0.020
MW-223D	Dec-02					<0.001	183					4.19	<0.001	41.5	1.6			1.36			11.2				
MW-223D	Apr-04	0.111	<0.050	0.023	0.038	<0.002	<0.048	<0.001	150	<0.002	<0.010	<0.017	3.99	<0.001	34.4	1.35	<0.0002	<0.012	0.86	<0.001	<0.010	11.4	<0.001	<0.010	<0.020
MW-223D	Jun-05	0.0793	<0.0025	0.0031	0.0933	<0.0004	0.0203	<0.0008	38.5	0.0015	<0.019	0.0038	0.864	0.0025	3.2	0.0611	<0.00016	0.0046	3.42	<0.0019	0.0023	14.6	<0.0029	<0.002	0.0233
MW-223D	Sept-06	<0.010	<0.060	0.022	<0.200	<0.005	<0.050	<0.005	170	<0.010	<0.050	<0.025	3.6	<0.005	41	1.7	<0.0002	<0.040	<5	<0.010	<0.010	14	<0.010	<0.050	<0.020
MW-223D	Dec-07	0.57	<0.01	0.028	<0.2	<0.01	<0.5	<0.01	170	<0.01	<0.01	2.4	<0.01	44	1.4	<0.0002	<0.01	1.9	0.4	<0.01	15	<0.01	<0.01	0.051	
MW-223D	Aug-09	0.06	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	46	<0.02	<0.02	0.21	<0.02	6	0.35	<0.001	<0.02	2.1	<0.02	0.01	15	0.02	<0.02	<0.02	

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Chloride GW Quench		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Site's 8 Col. Vol.		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
MW-303D	March-97	0.19	<0.06	<0.01	<0.2	<0.01	<1	<0.01	43	<0.01	<0.02	6.55	<0.01	15	0.026	<0.0004	<0.01	9	<0.05	<0.01	50	<0.03		0.088
MW-303D	June-97								34			6.55		16	0.024			5.9			60			
MW-303D	Sept-97								42			6.55		16	0.021			5.6			140			
MW-303D	Dec-97								42			6.55		16	0.019			6.7			140			
MW-303D	Mar-98								45			6.55		18	0.024			5			140			
MW-303D	June-98	0.28	<0.06	<0.01	<0.2	<0.01	<1	<0.01	44	<0.01	<0.02	6.55		18	0.044	<0.0002	<0.01	8	<0.05	<0.01	140	<0.03		0.066
MW-303D	Sept-98								50			6.55		20	0.025			8.9			140			
MW-303D	Dec-98								58			6.55		21	0.042			<1			140			
MW-303D	Apr-99								44			6.55		18	0.03			4.4			170			
MW-303D	Jun-99								62			6.55		24	0.05			5.4			270			
MW-303D	Sept-99								69			6.55		24	<0.01			7.1			200			
MW-303D	Dec-99	0.22	<0.01	<0.01	<2	<0.01	<5	<0.01	54	<0.01	<0.01	6.55		23	0.044	<0.0002	0.05	9.8	<0.05	<0.01	100	<0.01		0.037
MW-303D	Apr-00	0.155	<0.050	0.004	0.037	<0.002	0.384	<0.010	47.8	<0.010	<0.017	6.55		20.2	0.034	<0.0002	<0.012	6.02	<0.002	<0.010	107	<0.001		0.025
MW-303D	Jun-00							<0.0050	46.9			6.55		19.6	0.092			6.45			106			
MW-303D	Sept-00							<0.005	49.8			6.55		20	0.055			6.42			156			
MW-303D	Dec-00							<0.005	53.9			6.55		21	0.056			6.51			145			
MW-303D	Mar-01							<0.005	44.2			6.55		18.5	0.026			5.83			146			
MW-303D	Jun-01	0.215	<0.050	0.006	0.388	<0.002	0.362	<0.005	42.1	<0.010	<0.017	6.55		17.4	0.043	<0.0002	<0.012	7.8	<0.002	<0.010	103	<0.001		<0.020
MW-303D	Sept-01							<0.005	49.5			6.55		19.5	0.05			4.98			157			
MW-303D	Dec-01							<0.005	44.6			6.55		18.9	0.036			6.37			147			
MW-303D	Mar-02							<0.005	46.8			6.55		18.9	0.026			6.82			143			
MW-303D	Jun-02							<0.005	46.3			6.55		18.7	0.077			6.09			140			
MW-303D	Sept-02	<0.075	<0.050	0.007	0.015	<0.002	0.382	<0.005	48.1	<0.010	<0.010	6.55		19.2	0.139	<0.0002	<0.012	4.91	0.001	<0.010	146	<0.001		<0.020
MW-303D	Dec-02							<0.001	51.1			6.55		21.2	0.03			4.88			133			
MW-303D	Apr-04	0.128	<0.050	0.006	0.037	<0.002	0.375	<0.001	46.3	<0.002	<0.010	6.55		18.2	0.024	<0.0002	<0.012	5.36	0.002	<0.010	140	<0.001		0.02
MW-303D	Jun-05	0.0881	<0.0025	0.0055	0.0316	<0.0004	0.367	<0.00080	47.5	0.0011	<0.0019	6.55		19.2	0.0309	<0.00016	0.0044	8.59	<0.0039	0.0014	109	<0.0029		0.0479
MW-303D	Sept-06	<0.200	<0.060	<0.005	<0.200	<0.005	0.33	<0.005	44	<0.010	<0.050	6.55		18	0.031	<0.0002	<0.040	12	<0.010	<0.010	170	<0.010		0.051
MW-303D	Dec-07	0.32	<0.01	0.023	<0.2	<0.01	<0.5	<0.01	57	<0.01	<0.01	6.55		23	0.06	<0.002	<0.01	7.4	<0.01	<0.01	173	<0.01		0.032
MW-303D	Aug-09	4.6	<0.02	<0.02	0.06	<0.02	0.36	<0.02	43	<0.02	<0.02	6.55		20	0.03	<0.001	<0.02	5.6	<0.02	<0.01	160	<0.03		0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Well	Monitoring	Sample	Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Case GA GW Qual				0.025	0.005	0.005	1	0.005	1	0.005		0.05		0.1	0.3	0.025	30	0.3	0.002	0.1	10	0.01	0.005	20	0.005		1
See's & Gold Val.				0.005																							
MW-303S		March-97		14	<0.06	<0.01	<0.2	<0.01	<1	<0.01	210	0.026		0.05	43	0.034	31	3.4	<0.0004	0.037	10	<0.05	<0.01	18	<0.03		0.16
MW-303S		June-97								<0.01	250				83	0.07	56	4.5			13			17			
MW-303S		Sept-97								<0.01	230				96	0.079	59	4.5			14			20			
MW-303S		Dec-97								<0.01	250				120	0.15	72	5.8			21			20			
MW-303S		Mar-98								<0.01	230				100	0.088	63	5.1			13			17			
MW-303S		June-98		25	<0.06	0.005	0.26	<0.01	<1	<0.01	180	0.061	0.037	0.046	68	0.052	49	3.7	<0.0002	0.064	12	<0.05	<0.01	19	<0.03	0.037	0.2
MW-303S		Sept-98								<0.01	270				160	0.12	75	5.2			15			18			
MW-303S		Dec-98								<0.01	390				390	0.2	119	10			6.8			21			
MW-303S		Apr-99								<0.01	260				170	0.094	65	5.2			11			23			
MW-303S		Jun-99								<0.01	320				210	0.085	78	9.4			11			20			
MW-303S		Sept-99								0.01	350				200	0.1	91	6.7			16			24			
MW-303S		Dec-99		40	<0.01	0.019	0.69	<0.01	<5	0.017	320	0.091	0.06	0.25	120	0.11	74	5.5	0.00017	0.11	13	<0.01	<0.01	22	<0.01	0.062	0.34
MW-303S		Apr-00		6.97	<0.050	0.007	0.135	<0.002	0.048	<0.0050	200	0.011	0.013	0.047	17.6	0.008	37.4	3.79	<0.0002	0.029	5.89	<0.002	<0.010	15.6	<0.001	0.015	0.1
MW-303S		Jun-00								<0.0050	188				12.8	0.008	34.4	3.02			5.8			16.2			
MW-303S		Sept-00								<0.005	161				15.1	0.001	29.7	3.18			5.76			14.3			
MW-303S		Dec-00								<0.005	192				24	0.008	35.4	2.94			5.58			14.2			
MW-303S		Mar-01								<0.005	180				17.7	0.002	33	3.96			4.83			15.3			
MW-303S		Jun-01		0.504	<0.050	0.013	0.146	<0.002	0.055	<0.005	169	<0.010	<0.010	<0.017	20.4	0.002	33.3	2.98	0.0002	0.018	5.81	<0.002	<0.010	14.5	<0.001	<0.010	<0.020
MW-303S		Sept-01								<0.005	160				24.3	0.004	31.1	2.91			5.27			14.3			
MW-303S		Dec-01								<0.005	177				27.1	0.005	33.3	2.93			5.56			15.6			
MW-303S		Mar-02								<0.005	182				20.3	0.005	34.5	2.96			5.21			14.6			
MW-303S		Jun-02								<0.005	177				12.3	<0.001	38.2	2.93			6.05			17.8			
MW-303S		Sept-02		<0.075	<0.050	0.012	0.289	<0.002	0.092	<0.005	174	<0.010	<0.0100	<0.017	24.6	0.001	35.4	2.86	<0.0002	0.013	5.41	<0.001	<0.010	18.4	<0.001	<0.010	0.021
MW-303S		Dec-02								<0.001	169				31.8	<0.001	34.6	2.74			5.61			14.8			
MW-303S		Apr-04		<0.1	<0.050	0.01	0.125	<0.002	<0.048	<0.001	142	<0.002	<0.010	<0.017	21.5	<0.001	22.4	2.7	<0.0002	0.015	3.32	<0.001	<0.010	9.29	<0.001	<0.010	<0.020
MW-303S		Jun-05		0.713	<0.0025	0.013	0.149	<0.00040	0.0375	<0.0008	140	0.0025	0.0051	0.0032	25.9	0.005	21.6	2.75	<0.00016	0.0058	3.4	<0.0039	0.002	8.71	<0.0029	0.0021	0.058
MW-303S		Sept-06		<0.200	<0.060	0.0096	<0.200	<0.005	<0.050	<0.005	140	<0.010	<0.050	<0.025	21	<0.005	22	1.6	<0.0002	<0.040	<5	<0.010	<0.010	9.7	<0.010	<0.050	0.071
MW-303S		Dec-07		1.7	<0.01	0.007	<0.2	<0.01	<0.5	<0.01	180	<0.01	0.011	0.02	15	<0.01	26	1.6	<0.0002	0.017	4	<0.01	<0.01	8	<0.01	<0.01	0.27
MW-303S		Aug-08		1.3	<0.02	<0.02	0.11	<0.02	<0.1	<0.02	127	<0.02	<0.02	0.02	15	<0.02	20	1.5	<0.001	<0.02	2.5	<0.02	<0.01	19	0.03	<0.02	0.05

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Class 1 GW Qual. SPS 2 Class 1a		0.05	0.005	0.005	1	0.003	1	0.005	4.00	4.00	0.2	0.2	0.3	0.005	30	0.2	0.002	0.1	4.8	0.01	0.00	20	0.000		
MW-304D	March-97	0.2	<0.06	<0.01	<0.2	<0.01	<1	<0.01	140	<0.01	<0.01	<0.02	6.1	<0.01	25	0.69	<0.0004	<0.01	4.8	<0.05	<0.01	20	<0.03		0.22
MW-304D	June-97							<0.01	140				6.2	<0.01	31	0.77			4.4			30			
MW-304D	Sept-97							<0.01	130				6	0.022	30	0.68			3.8			30			
MW-304D	Dec-97							<0.01	140				6.3	<0.01	32	0.73			4.3			44			
MW-304D	Mar-98							<0.01	120				5.8	<0.01	29	0.68			3.9			62			
MW-304D	June-98	0.15	<0.06	<0.01	0.21	<0.01	<1	<0.01	130	<0.01	<0.01	<0.02	7	<0.01	33	0.83	<0.0002	<0.01	5.2	<0.05	<0.01	42	<0.03	<0.03	0.054
MW-304D	Sept-98							<0.01	120				6.8	<0.01	31	0.64			5			30			
MW-304D	Dec-98							<0.01	82				3.1	<0.01	22	0.19			<1			44			
MW-304D	Apr-99							<0.01	110				6.3	<0.01	27	0.61			3.3			28			
MW-304D	June-99							<0.01	170				10	<0.01	40	1			4.9			16			
MW-304D	Sept-99							<0.01	150				1.8	<0.01	36	0.34			5.3			42			
MW-304D	Dec-99	0.22	<0.01	<0.01	<2	<0.01	<5	<0.01	130	<0.01	<0.01	<0.01	7.2	<0.01	34	0.68	<0.002	<0.01	4.6	<0.01	<0.01	40	<0.01	<0.01	0.018
MW-304D	Apr-00	<0.075	<0.050	0.022	0.213	<0.002	0.101	<0.0050	130	<0.010	<0.010	<0.017	7.39	<0.001	31.4	0.7	<0.0002	<0.012	3.89	<0.002	<0.010	37.2	<0.001	<0.010	0.038
MW-304D	June-00							<0.0050	81.3				8.1	0.003	25.6	0.42			4.04			37.7			
MW-304D	Sept-00							<0.005	103				6.11	0.002	26.1	0.506			3.61			35.7			
MW-304D	Dec-00							<0.005	64.3				0.922	<0.001	19.6	0.041			2.51			40.3			
MW-304D	Mar-01							<0.005	143				0.35	<0.001	32.5	0.099			4.02			30.1			
MW-304D	June-01	0.082	<0.050	0.015	0.2	<0.002	0.075	<0.005	119	<0.010	<0.010	<0.017	7.6	0.01	29.7	0.046	0.0002	<0.012	4.32	<0.002	<0.010	37.4	<0.001	<0.010	<0.020
MW-304D	Sept-01							<0.005	94.8				3.01	0.002	25.4	0.368			3.53			38.9			
MW-304D	Dec-01							<0.005	70.6				2.09	0.001	19.6	0.129			3.11			39.8			
MW-304D	Mar-02							<0.005	67.9				3.3	0.002	17.8	0.138			2.72			36.1			
MW-304D	June-02							<0.005	88.2				4.27	0.003	23.2	0.314			2.97			34.5			
MW-304D	Sept-02	<0.075	<0.050	0.011	0.057	<0.002	0.068	<0.005	60.6	<0.010	<0.010	<0.017	3.66	0.002	18	0.065	<0.0002	0.013	3.02	<0.001	<0.010	37.5	<0.001	<0.010	<0.020
MW-304D	Dec-02							<0.001	58.9				0.60	<0.001	18.6	0.051			2.15			31.1			
MW-304D	Apr-04	<0.1	<0.050	0.008	0.055	<0.002	0.1	0.002	55.3	<0.002	<0.010	<0.017	0.711	<0.001	15.5	0.072	<0.0002	<0.012	2.99	<0.001	<0.010	55	<0.001	<0.010	0.024
MW-304D	June-05	0.14	<0.0025	0.0099	0.0517	<0.00040	0.0521	0.00087	58.3	0.0013	<0.0019	0.0047	1.07	0.0021	17.1	0.0279	<0.00016	<0.0023	3.35	<0.0039	0.003	56.9	<0.0029	<0.002	0.9999
MW-304D	Sept-06	0.41	<0.060	<0.005	<0.200	<0.005	0.063	<0.005	99	<0.010	<0.050	<0.025	4.5	<0.005	24	0.35	<0.0002	<0.040	7.1	<0.010	<0.010	57	<0.010	<0.050	0.031
MW-304D	Dec-07	4	<0.01	0.001	0.21	<0.01	<0.5	<0.01	130	<0.01	<0.01	0.018	1.1	0.012	33	0.34	<0.0002	<0.01	6	0.33	<0.01	26	<0.01	<0.01	0.18
MW-304D	Aug-09	0.12	<0.02	<0.02	0.2	<0.02	<0.1	<0.02	110	<0.02	<0.02	0.02	6.5	<0.02	26	0.78	<0.001	<0.02	3.4	<0.02	0.01	23	<0.02	<0.02	0.02

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sh (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Client GW Qual. SPS & Cold. Val.			0.05	0.05	1	0.005	1	0.005	0.05		0.5	0.5	0.005	30	0.5	0.005	0.1	0.01	0.01	0.01	30	0.005		
MW-304S	March-97	21	<0.06	<0.01	0.32	<0.01	<1	<0.01	0.11		0.099	58	0.052	31	5	<0.0004	0.09	9.1	<0.05	<0.01	16	<0.03		0.33
MW-304S	June-97							310				130	0.11	78	7.6			13			19			
MW-304S	Sept-97							280				110	0.087	65	6.8			12			28			
MW-304S	Dec-97							240				130	0.11	78	7.7			15			16			
MW-304S	Mar-98							260				100	0.077	65	6.3			12			24			
MW-304S	June-98	20	<0.06	0.028	0.34	<0.01	<1	220	0.11	0.1	0.11	99	0.045	25	5.1	<0.0002	0.068	8.1	<0.05	<0.01	22	<0.03	0.032	0.18
MW-304S	Sept-98							360				130	0.14	110	9.7			23			21			
MW-304S	Dec-98							350				220	0.12	100	11			3.9			21			
MW-304S	Apr-99							370				240	0.16	100	11			14			21			
MW-304S	Jun-99							370				180	<0.01	82	8.4			8.5			29			
MW-304S	Sept-99							330				200	0.069	79	8.1			12			21			
MW-304S	Dec-99	51	<0.01	0.018	0.79	<0.01	<5	400	0.5	0.3	0.28	150	0.12	60	10	0.0031	0.2	9.6	<0.01	<0.01	42	<0.01	0.083	0.59
MW-304S	Apr-00	33.7	<0.050	0.008	0.519	<0.002	0.113	237	0.13	0.105	0.143	80.9	0.019	57.8	5.83	<0.0002	0.11	9.3	<0.002	<0.010	18.2	<0.001	0.055	0.333
MW-304S	Jun-00							204				15.1	0.007	40.3	3.99			3.2			18.9			
MW-304S	Sept-00							209				83.2	0.009	46.3	4.39			6.74			18.3			
MW-304S	Dec-00							198				18.7	0.003	38.5	3.59			3.23			17.3			
MW-304S	Mar-01							176				14.6	<0.001	34.9	3.28			2.94			17.1			
MW-304S	Jun-01							187	0.012	<0.010	<0.017	17.3	0.003	57.3	3.8	<0.0002	0.015	3.37	<0.002	<0.010	17.3	<0.001	<0.010	<0.020
MW-304S	Sept-01							188				17.2	0.004	37.5	3.6			3.38			17.6			
MW-304S	Dec-01							195				17.1	<0.001	37.4	3.8			3.01			18.3			
MW-304S	Mar-02							193				19.5	<0.001	35.8	3.73			2.68			16.9			
MW-304S	Jun-02							178				15.5	0.001	35.8	3.5			3.14			18.7			
MW-304S	Sept-02	<0.075	<0.050	0.001	0.478	<0.002	0.076	180	<0.010	<0.0100	<0.017	15.5	0.002	35.2	3.5	<0.0002	0.018	2.83	<0.001	<0.010	16.7	<0.001	<0.010	<0.020
MW-304S	Dec-02							181				17.3	0.001	30	3.83			3.29			17.6			
MW-304S	Apr-04	<0.1	<0.050	0.001	0.372	<0.002	0.092	153	<0.002	<0.010	<0.017	14.1	<0.001	29.7	2.86	<0.0002	0.015	3.21	<0.001	<0.010	16.5	<0.001	<0.010	<0.020
MW-304S	Jun-05	0.262	<0.0025	0.0043	0.439	<0.00040	0.0499	172	0.0032	0.0024	0.006	14.6	0.0046	33.9	3.7	<0.00016	<0.0023	4.28	<0.0019	0.0048	21.8	<0.0029	<0.002	0.109
MW-304S	Sept-06	<0.200	<0.060	<0.005	0.39	<0.005	<0.050	150	<0.010	<0.050	<0.024	17	<0.005	30	3.1	<0.0002	<0.040	<5	<0.010	<0.010	13	<0.010	<0.050	<0.020
MW-304S	Dec-07	6.4	<0.01	0.02	0.44	<0.01	<0.5	160	0.029	0.031	0.05	29	0.016	33	3.6	<0.0002	0.038	5	<0.01	<0.01	15	<0.01	<0.01	0.084
MW-304S	Aug-09	13	<0.02	<0.02	0.4	<0.02	<0.1	141	0.04	0.02	0.06	35	0.02	31	3.3	<0.001	0.04	5.8	<0.02	<0.01	16	0.04	<0.02	0.08

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Si (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Chas. G. W. (Q-1)	Sept-8	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
MW-304VS	March-97	24	0.112	<0.01	0.24	<0.01	<0.01	220	0.036		0.074	97	0.052	32	2.9	<0.0004	0.054	11	<0.05	<0.01	100	<0.03		0.24
MW-304VS	June-97						<0.01	370				100	0.15	100	6.4			22			140			
MW-304VS	Sept-97						<0.01	310				100	0.15	90	6.8			27			210			
MW-304VS	Dec-97						0.011	280				100	0.16	94	7			20			200			
MW-304VS	Mar-98						<0.01	170				110	0.091	58	4.2			16			190			
MW-304VS	June-98	51	<0.06	0.007	0.32	<0.01	<0.01	150	0.053	0.059	0.2	80	0.069	51	3.6	<0.0002	0.12	17	<0.05	<0.01	190	<0.03	0.087	0.44
MW-304VS	Sept-98						Location Not Sampled																	
MW-304VS	Dec-98						0.013	210				100	0.11	77	6.6			5.2			140			
MW-304VS	Apr-99						<0.01	140				13	0.057	46	4.1			7.5			190			
MW-304VS	June-99						0.011	180				130	0.094	55	4.3			8.4			220			
MW-304VS	Sept-99						<0.01	140				76	0.021	42	5.3			11			200			
MW-304VS	Dec-99	36	<0.01	0.006	<0.01	<0.01	<0.01	210	0.051	0.057	0.035	77	0.076	99	5.7	0.00037	0.11	9.4	<0.01	<0.01	220	<0.01	0.051	0.25
MW-304VS	Apr-00	6.68	<0.050	<0.002	0.179	<0.002	<0.048	267	<0.010	0.015		10.5	0.007	54.3	5.9	<0.0002	0.041	4.75	<0.002	<0.010	187	<0.001	<0.010	0.053
MW-304VS	June-00						<0.0050	297				0.015	0.008	55.4	4.8			4.34			224			
MW-304VS	Sept-00						<0.005	197				3.44	0.007	33.5	3.21			4.28			207			
MW-304VS	Dec-00						<0.005	166				8.31	0.004	29.3	3.1			2.9			176			
MW-304VS	Mar-01						<0.005	128				4.5	0.11	26.1	3.16			4.26			170			
MW-304VS	June-01	15.8	<0.050	0.006	0.168	<0.002	<0.048	152	0.011	0.02	0.053	38.7	0.016	31.6	3.01	<0.0002	0.059	5.86	<0.002	<0.010	219	<0.001	0.025	0.092
MW-304VS	Sept-01						<0.005	196				11.3	0.085	30.9	4.35			8.63			229			
MW-304VS	Dec-01						<0.005	152				3.1	0.007	33.6	3.3			7.57			216			
MW-304VS	Mar-02						<0.005	141				10.6	0.007	27.5	3.58			3.19			179			
MW-304VS	June-02						<0.005	101				5.18	0.005	18.4	1.48			3.28			190			
MW-304VS	Sept-02	7.82	<0.050	0.003	0.125	<0.002	0.07	113	0.016	0.01	0.043	11.9	0.072	21.5	1.58	<0.0002	0.037	4.29	<0.001	<0.010	187	<0.001	0.013	0.06
MW-304VS	Dec-02						0.001	133				20.8	0.013	32.7	4.03			5.93			170			
MW-304VS	Apr-04	<0.1	<0.050	<0.001	0.047	<0.002	<0.048	78.1	<0.002	<0.010	<0.017	0.086	<0.001	10.6	0.147	<0.0002	<0.012	2.42	<0.001	<0.010	150	<0.001	<0.010	<0.020
MW-304VS	June-05																							
MW-304VS	Sept-06	10	<0.060	0.0076	<0.200	<0.005	<0.050	160	0.015	<0.050	0.065	15	0.01	24	3	<0.0002	<0.040	9.6	<0.010	<0.010	160	<0.010	<0.050	0.11
MW-304VS	Dec-07	3.9	<0.01	<0.01	<0.2	<0.01	<0.5	200	<0.01	<0.01	0.026	6.9	<0.01	27	6.9	<0.0002	0.016	5.5	<0.01	<0.01	200	<0.01	<0.01	0.04
MW-304VS	Aug-09	9.6	<0.02	<0.02	0.23	<0.02	<0.1	225	<0.02	<0.02	0.05	11	0.02	26	4.5	<0.001	0.03	5.8	<0.02	0.01	357	<0.02	<0.02	0.04

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 umho/cm	Hard (mg/l)	TOC (mg/l)	pH (field) (S.U.)	Phos (mg/l)	Et (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br- (mg/l)
Chas Gw Qual. S&S & Qual. Yr.					250				6.5-8.5	0.001		250		300	3	10						2
MW-2305	Nov-89	13	141	10.6	33.6	385	209	2.96	8.07	0.001	47.5	90	288	0.13	<0.10	10	<5	<0.005	<0.01			
MW-2305	Feb-90		146		36.4		210	8.48	8.07	0.001	49.3	232	281	0.06		2	<5				100	
MW-2305	Apr-90	10.6	159		35.2	387	200	9.34	8.07	0.001	58.2	57	306	<0.01		11	10				0.33	
MW-2305	Nov-90		161	56	32.3	310	215	9.3	7.3	<0.010	124.2	54	690	286	0.14	<0.1	4.5		<0.004	0.024	0.5	
MW-2305	Feb-91	10	144	8.6	31.8	400	245	15	8.32	<0.010	124.7	51	210	353	0.22	<0.04						
MW-2305	May-91	11	142	24.4	30.8	340	216	<3	7.74	<0.010	312.1	53	340	329	0.07	<0.04						
MW-2305	Aug-91	10	144	7.7	30.2	490	210	10.4	8.07	0.001	51.8	120	318	<0.03	<0.04							
MW-2305	Nov-91	10	176	<1	31	480	204	<1.0	7.68	<0.010	239.3	111	250	284	0.06	<0.04						
MW-2305	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-2305	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-2305	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-2305	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-2305	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-2305	May-93	13	168	16.3	28	332	197	6	7.53	<0.010	204.6	73.8	120	276	<0.02	<0.02						
MW-2305	Aug-93	13.5	176	25.5	30	383	195	<1.0	6.91	<0.010	135	71.3	310	320	<0.02	<0.02						
MW-2305	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-2305	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						
MW-2305	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	0.83
MW-2305	Aug-94	12	140	9.5	29	423	187	<1	7.69	<0.010	39.5	57	34	280	0.06	0.12	<2.0				<0.5	0.73
MW-2305	Nov-94	11.5	145	9.5	30	365	159	4	8.12	<0.010	55.2	52.9	61	152	<0.02	0.25	<2.0				<0.5	2.16
MW-2305	March-95	11	165	20	32	356	215	8	7.28	<0.010	52	49	108	272	0.18	0.42	<2				<0.5	1.35
MW-2305	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-2305	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-2305	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-2305	April-96	8.9	140	17	28	520	520	<1	8	<0.002	240	110	>900	310	0.071	0.036	<4				0.6	3
MW-2305	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-2305	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-2305	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-2305	March-97	10	42	13	24	409	130	1.9	8	<0.002	95	48	>999	140	0.4	0.077	<4				0.95	<2
MW-2305	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-2305	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-2305	Dec-97	10.6	130	<1	17	256	160	1.8	8.44	<0.002	110	41	687	200	0.41	0.2	11				0.75	<2
MW-2305	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-2305	June-98	12.7	75	<3	30	288	190	1.4	8.3	<0.002	10	37	804	210	<0.03	0.53	<4				0.21	<1
MW-2305	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-2305	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-2305	Dec-99	11.1	150	4.7	33	455	280	<1	8.05	<0.002	135	37	>999	240	<0.03	0.089	<4				<0.01	<1
MW-2305	Apr-00	9.7	109	<10	28.6	400	195	1.1	8.05	<0.002	-94	45	550	222	0.104	0.393	<3				<0.01	<1
MW-2305	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				<0.01	<1
MW-2305	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				<0.01	<1
MW-2305	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				<0.01	<1
MW-2305	Jun-05	15.8	96.6	<10.0	31	675	163	1.48	7.47	<0.001	109	39.3	21	226	<1.00	0.91	<4.00				<0.01	<1.00
MW-2305	Sept-06	20.3	180	<10	19	113	230	<1.0	8.09	<0.010	225	52	100	310	<1.0	<0.25	<4.0				<0.01	<1.0
MW-2305	Dec-07	10.4	160	7.4	50	436	710	<1	7.28	<0.003	340	18	>999	350	<0.03	<0.1	<4.0				<0.01	<0.1
MW-2305	Aug-09	16.42	152	4	53	452	244	<1	7.55	<0.010	40	36	88.3	308	0.06	<0.05	<2				<0.005	<0.5

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 (mg/l)	Hard (mg/l)	TOC (mg/l)	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)
Chase GWA Quid																						
1000 ft. Quid, Yrs																						
MW-230D	Nov-89	13.5	113	<10.0	<3.0	136	79.6	9.22	7.44	0.011	<10.0	13.5	34	135	0.12	<0.10	17	<5	<0.005	<0.01	<0.5	0.5
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			0.25	
MW-230D	Nov-90	11	130	18	4.9	190	130	9.1	7.4	<0.010	109.1	16	37	156	0.08	<0.1	5.8		<0.004	0.034	<0.5	
MW-230D	Feb-91	11	126	<0.5	5	250	98	8.6	8.38	<0.010	91	11.2	13	184	0.13	<0.04						
MW-230D	May-91	11	124	<1.0	1.1	180	94	<3	8	<0.010	293.8	13	3	155	0.07	<0.04						
MW-230D	Aug-91	10	122	3.2	2.1	300	96	4.4	8.46	<0.010	195.5	13.9	7.1	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	238.3	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	1.2					
MW-230D	Aug-92	12	124	<1.0	4.5	258	76.5	<1	7.95	<0.010	281.2	55.1	6.7	176	<0.04	<0.02	1.2					
MW-230D	Dec-92	10.5	118	1	1.5	290	72.1	<1	7.9	<0.010	244.2	43.8	1.5	160	<0.02	0.07	1.2					
MW-230D	Feb-93	9.5	132	<1.0	2.5	315	65.3	7	7.89	<0.010	125.2	14.5	13.5	180	0.18	0.02	0.6	<5	<0.004	<0.004	<0.5	
MW-230D	May-93	14	126	<1.0	1.5	226	78.2	4	7.86	<0.010	227.5	48	12.5	152	0.11	<0.02						
MW-230D	Aug-93	14	128	<1.0	3	247	74.9	<1	7.73	<0.010	133.7	72.5	6	148	0.06	<0.02						
MW-230D	Dec-93	10	120	4.9	2	262	86.2	2	7.24	<0.010	99.2	47.6	16	140	0.12	0.05	<2.0					
MW-230D	Feb-94	10	126	<1.0	2	282	82.1	<1	7.86	<0.010	91.1	38.9	15	156	<0.02	<0.05	<2.0					
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	180	0.07	0.06	<2.0					
MW-230D	Aug-94	12	124	9.5	2.5	239	82.6	<1	7.53	<0.010	30.2	16.8	3.8	188	0.07	<0.05	<2	15	<0.004	0.006	<0.5	0.89
MW-230D	Nov-94	11.5	153	<5.0	3	254	70.2	2	8.22	<0.010	58.1	30.6	5.3	160	<0.02	0.11	<2.0					0.73
MW-230D	March-95	11	129	<5.0	2	248	80.8	5	7.48	<0.010	58.1	16.7	5.2	164	0.24	0.26	<2					1.86
MW-230D	June-95	12	125	<5.0	3	252	86	18	7.56	<0.010	35.6	21	4.9	176	0.27	0.27	125					0.3
MW-230D	Sept-95	11.5	125	<5.0	1.5	239	82.6	<1	7.53	<0.010	30.2	16.8	3.8	188	0.07	<0.05	<2					0.2
MW-230D	Nov-95	10	128	8.2	<1	239	67.3	<1	7.92	<0.010	10.9	21.7	7.6	176	0.04	<0.05	<2	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	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	57	170	0.035	<0.02	<4				2.1	<2
MW-230D	Sept-96	12.9	130	2.8	<1	270	89	<1	8	0.004	160	11	50	150	<0.03	0.054	<4				0.32	<2
MW-230D	Nov-96	11.2	130	48	1.9	232	89	<1	7.86	<0.002	175	39	98	180	0.064	<0.02	<4				0.38	<2
MW-230D	March-97	10	130	19	2.7	276	92	1	8.1	<0.002	90	37	432	230	0.037	<0.02	<4	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	140	<0.03	<0.02	<4				0.37	<2
MW-230D	Sept-97	12	140	<1	4.6	260	86	1	8.4	<0.002	130	11	15	180	<0.03	0.035	<4				0.24	<2
MW-230D	Dec-97	10.5	170	<1	2.7	281	88	<1	8.36	<0.002	130	6.3	42	220	<0.03	0.049	14				0.32	<2
MW-230D	Mar-98	9.3	170	1	2.8	272	82	<1	8.32	<0.002	210	27	32	190	<0.03	0.042	<4				0.16	<2
MW-230D	June-98	13.5	110	<3	1.6	260	110	11	7.73	<0.002	15	12	154	180	0.04	0.028	4.5	10	<0.01	<0.01	0.26	<1
MW-230D	Sept-98	12.7	150	47	3.2	269	110	11	8.01	<0.003	525	14	353	210	<0.03	<0.02	<4				0.37	<1
MW-230D	Dec-98	10.1	130	<1	<1	263	91	<1	7.45	<0.002	5	12	260	140	<0.03	<0.02	<4				0.13	<1
MW-230D	Dec-99	11.2	130	7.8	3.8	278	100	<1	8.1	<0.002	210	13	125	190	<0.03	0.054	<4	3	<.01	<.03	0.23	<.01
MW-230D	Apr-00	9.1	133	<10	2.83	275	89.9	<1	8.11	<0.002	-91	19	19	156	0.114	<0.05	<3	10	<0.01	<0.01	<1	<1
MW-230D	Jun-01	12.9	122	<10	2.6	284	88.9	<1	8.16	<0.004	42	14.4	11	136	<0.1	<0.1	<3	5	<0.01	<0.01	<1	<1
MW-230D	Sept-02	11.8	125	<10	2.53	277	86.9	<1	7.81	<0.004	165.3	13.6	2.3	187	<0.1	<0.1	<3	<5	<0.005	<0.01	<1	<1
MW-230D	Apr-04	11.6	124	<10	2.39	230	82.4	<1	8.12	<0.004	104	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	8.02	<0.010	82	11.5	14	164	1	<0.25	<4.00	15	<0.0100	<0.010	<1.00	<1.00
MW-230D	Sept-06	15.4	110	26	590	1064	450	2	7.7	<0.005	230	130	15	1300	1	<0.25	<4.0	150	<0.010	<0.010	1.3	<1.00
MW-230D	Dec-07	10.3	120	11	6.8	1064	85	1.7	7.41	<0.003	295	5.5	0	190	<0.01	0.36	<4.0	10	<0.01	<0.01	0.23	<0.1
MW-230D	Aug-09	16.31	135	4	2	244	93	<1	7.66	<0.010	39	13.4	27.2	162	0.08	<0.05	<2	2	<0.005	<0.004	<0.5	<0.1

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (mg/l)	Eh (mV)	SO ₄ = (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ - (mg/l)	BOD ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br ⁻ (mg/l)
Class 6A GW Qual. Surfs & Grnd. Wt.					250				6.5-8.5	0.001		250		500	2	10						
MW-232S	Nov-89	15.3	120	<10.0	24.3	297	184	1.29	7.41	<0.001		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		31.6	5.34	217	0.1		6	5			99	
MW-232S	Apr-90	11.1	113		<3	256	100	2.98		<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	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	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	7.61	<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	8.04	<0.010	207.1	74	145	360	<0.01	<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	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	136.6	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	234	<0.02	0.04						
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	1.6	<5	<0.004	<0.004	<0.5	
MW-232S	Aug-93	14.5	480	13.3	4	792	595	<1.0	6.67	<0.010	169.9	99	94	633	<0.02	0.06						
MW-232S	Dec-93	11	436	52.9	2	803	513	22	7.02	<0.010	132.6	103	105	540	0.06		<2.0				<0.5	0.92
MW-232S	Feb-94	10	345	<1.0	2.5	783	411	52	7.04	<0.010	236.7	89.5	60	460	<0.02	0.03					<0.5	0.87
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				<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	577	<0.02	0.08	<2.0				<0.5	0.87
MW-232S	Nov-94	12	517	<5.0	3	722	464	19	6.98	<0.010	119.3	64.5	32	644	<0.02	0.11	<2.0				<0.5	0.87
MW-232S	March-95	11	352	<5.0	4	520	428	29	7.08	<0.010	-38.8	81.3	32	544	0.21	0.34					<0.5	0.87
MW-232S	June-95	11	504	<5.0	5	542	521	<1	6.91	<0.010	26.1	67.5	33	633	0.24	0.25					<0.5	0.87
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					<0.5	0.87
MW-232S	Nov-95	11	380	8.2	<1	464	404	1	6.86	<0.010	2.3	107	71	575	<0.02	<0.05					<0.5	0.87
MW-232S	April-96	10.6	630	1	6.7	1220	670	40	6.5	<0.002	180	64	59	700	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	<0.002	140	70	190	600	<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	300	<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	640	<0.03	<0.02	12	15	<0.01	<0.01	0.56	<2
MW-232S	June-97	11.5	680	8.2	10	813	570	2.5	6.72	<0.002	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	630	<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	500	<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	38	942	500	0.041	0.022	7.5	1	<0.01	<0.01	0.34	<1
MW-232S	Sept-98	12.8	570	6.2	6.7	990	620	4.1	6.71	<0.002	500	51	842	840	<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	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	515	<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	529	<0.1	<0.1	<3				<1	<1
MW-232S	Dec-01	11.7	400	<10	6.18	851	473	2.4	7.15	<0.004	9	63	54.5	500	<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	533	<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	620	<0.1	<0.1	<3				<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	Jun-05	15.8	181	44.2	<5.0	1206	200	15.3	7.36	<0.010	133	5.18	36	324	<1.00	0.75	<4.00	150	<0.0100	<0.010	<1.00	<1.00
MW-232S	Dec-07	10.1	260	6.6	6.7	515	320	2.7	6.88	<0.003	195	16	312	220	<0.03	<0.03	<4.0	400	<0.01	<0.01	0.25	<0.1
MW-232S	Aug-09	14.87	242	4	6	446	257	2.5	8.12	<0.010	-85	31.6	48.2	292	0.03	<0.05	<4.0	2	<0.005	<0.004	<0.5	<0.1

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond umhos/cm	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (mg/l)	En (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)
Chloride, GWF Cont.									6.5-8.5	0.001												
Chloride, GWF Cont.									6.5-8.5	0.001												
MW-232D	Nov-89	13	37.2	<10.0	210	747.5	100	1.77	8.00	<0.005	172.9	89	16	522	0.12	<0.01	4	<5	<0.005	<0.01	<0.5	<1
MW-232D	Feb-90		52.3		250		126	0.86	8.41	<0.005	214.2	87.4	14.5	629	0.08		21	5			40	
MW-232D	Apr-90	12.2	41.2		202	836	82	3.28	8.48	<0.005	126.1	88.2	1.9	1450	<0.04		10	5	<0.004	0.024	0.21	
MW-232D	Nov-90	11	56	17	225	630	130	4.9	8.41	<0.010	243.8	79	22	611	0.13	<0.1	6.3	<5			<0.5	
MW-232D	Feb-91								8.41	<0.010												
MW-232D	May-91	11	54	11.7	202.1	480	124	5.1	8.41	<0.010	172.9	70	11.4	505	0.38	0.09						
MW-232D	Aug-91	12	52	<0.5	218.8	1500	136	4	8.41	<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	585	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	544	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	8.41	<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	583	<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	576	0.06	0.02	1.6	<5	<0.004	<0.004	<0.5	
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						
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	655	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	<0.010	-53.3	44.2	6.8	352	3.39	0.4	8				3.37	<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				0.71	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				<0.5	2.4
MW-232D	Nov-95	10.5	120	16.3	252	584	158	<1	7.15	0.025	4	84.2	9.2	628	0.22	<0.05	<2				<0.5	2.1
MW-232D	June-97	13.4	190	42	23	362	150	19	7.65	0.008	120	16	<1	210	<0.03	0.24	<4				1.8	<2
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				2.1	<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				1.1	<1
MW-232D	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				<1	<1

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field) (mg/l)	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)
State & Fed. Std.																						
6.5-8.5 9.0-11																						
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	578	<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	318	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						
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	3.4	703	<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	753	<0.02	<0.02						
MW-233S	Aug-93	13	968	<1.0	1	1174	918	<1.0	6.48	<0.010	-6.9	108	3	1060	<0.02	<0.02						
MW-233S	Dec-93	11	728	51	2	1294	900	44	6.69	<0.010	140.1	183	36	865	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						
MW-233S	May-94	11	544	<1.0	<1.0	736	550	62	6.68	<0.010	-15.8	71.6	24	672	<0.02	0.12						
MW-233S	Aug-94	13	456	5	2	922	516	4	6.85	<0.010	84	99.4	9.6	348	0.06	0.08						
MW-233S	Nov-94	12.5	460	<5.0	<1.0	651	399	13	7.08	<0.010	123.8	62.8	11.4	542	<0.02	0.05						
MW-233S	Mar-95	10	711	35	2	694	895	<1	6.78	<0.010	31.9	243	23.2	1128	0.42	2.4						
MW-233S	Jun-95	11	650	9.3	8	645	761	6	6.89	<0.010	48.2	189	27	1052	0.58	1.29						
MW-233S	Sep-95	12.5	629	<5.0	<1	545	702	5	7.06	<0.010	29.9	140	24	340	0.56	0.1						
MW-233S	Nov-95	10	452	8.2	9	525	475	<1	6.79	<0.010	84.7	130	17	718	<0.02	3.06						
MW-233S	Apr-96	6.6	150	1	12	510	320	2.8	7	<0.002	-55	21	88	340	<0.03	<0.02						
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						
MW-233S	Sep-96	14.7	520	20	<1	950	450	15	6.6	<0.002	35	<5	10	680	<0.03	<0.02						
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						
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						
MW-233S	Jun-97	10.4	650	13	2	1110	580	4.3	6.69	<0.002	60	52	<1	700	<0.03	<0.02						
MW-233S	Sep-97	13.2	840	9	4.6	1100	590	4	6.7	<0.002	-10	28	14	350	0.03	0.27						
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						
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						
MW-233S	Jun-98	13	410	53	2.5	1360	790	14	6.96	<0.002	-85	210	60	990	0.072	<0.02						
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						
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						
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						
MW-233S	Jun-01	11.9	432	<10	1.47	1203	676	6.1	7.06	<0.004	122	271	2.2	709	<0.1	8.87						
MW-233S	Sep-01	12.5	697	<10	2.12	1449	827	3.6	7.11	<0.004	107	483	2.89	1000	<0.1	3.71						
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						
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						
MW-233S	Jun-02	11.4	445	<10	1.59	1570	977	4.4	7.26	<0.004	62	562	1.4	1240	<0.1	<0.1						
MW-233S	Sep-02	12.7	433	13.9	1.86	1397	830	3.5	7.17	<0.004	119.8	404	15	1200	<0.1	<0.1						
MW-233S	Dec-02	10.8	424	<10	2.43	1428	847	2.8	7.07	<0.004	17	505	0.91	1110	<0.1	<0.1						
MW-233S	Apr-04	9.1	373	14	1.7	897	468	3.6	8.41	<0.004	221	<5.0	6.9	370	0.41	13.3						
MW-233S	Jun-05	20.3	281	<10.0	<5.0	502	353	3	8.12	<0.010	142	33.7	8.7	872	<0.1	5.68						
MW-233S	Sep-06	15.6	330	26	14	242	520	4.1	8.01	<0.010	580	140	55	660	<1.0	12						
MW-233S	Dec-07	9.8	360	13	3.6	980	550	4.7	6.71	<0.003	235	82	17.1	390	<0.03	10.4						
MW-233S	Aug-09	14.9	314	4	2	662	372	3.9	7.85	<0.010	73	59.4	17.1	450	0.03	10.4						

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 umho/cm	Hard (mg/l)	TOC (mg/l)	pH (field)	Pseudo (mg/l)	Ek (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br- (mg/l)
MW-234S	Nov-89	11.6	152	13.7	10.7	322	228	7.19	7.19	8.005	-50.4	81.1	188	264	0.09	<0.10	19	<5	<0.005	0.02		
MW-234S	Feb-90		162		4.4	423	243	1.93		<0.005	-38.3	77.7	94	321	0.09		13	30			0.96	
MW-234S	Apr-90	10.2	174		<3	423	243	1.93		<0.005	-38.3	77.7	94	321	0.09		13	30			0.96	
MW-234S	Nov-90	10	176	<1	4.9	340	260	5.1	7.3	<0.010	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	7.97	<0.010	147.1	78	26	347	<0.04	<0.04						
MW-234S	May-91	11	164	1	1.1	340	248	3.1	7.36	<0.010	227	60.5	23	337	<0.03	0.13						
MW-234S	Aug-91	13	152	<0.5	<1.0	570	230	<3.0	7.68	<0.010	293.9	77.6	58	363	<0.03	<0.04						
MW-234S	Nov-91	11	222	3.8	<1	676	228	<1	7.41	<0.010	323.6	85.1	40	328	<0.02	<0.04						
MW-234S	Feb-92	11	172	13.8	5	517	312	<1.0	7.29	<0.010	78.5	83	42	396	0.07	<0.02	0.6	<5	<0.010	<0.004	<0.5	
MW-234S	May-92	12	178	6	<1.0	486	248	<1.0	7.74	<0.010	354.9	113	59	320	<0.04	0.02						
MW-234S	Aug-92	12	196	<1.0	5.5	487	215	<1	7.51	<0.010	329.9	110	39	384	<0.04	0.14						
MW-234S	Dec-92	10	196	<1.0	<1.0	516	221	<1	7.83	<0.010	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	<0.010	250.3	84	130	364	<0.02	0.02						
MW-234S	May-93	12	184	<1.0	1.5	424	218	4	7.5	<0.010	207.1	88.1	84	324	<0.02	0.06	<0.5	<5	<0.004	<0.004	<0.5	
MW-234S	Aug-93	13	184	<1.0	1.5	451	241	<1.0	7.32	<0.010	165.3	130	90	332	<0.02	0.02						
MW-234S	Dec-93	9.5	188	5.9	2	469	259	6	7.09	<0.010	259.9	79.5	135	328	<0.02	0.09						
MW-234S	Feb-94	10	188	2.9	1	528	287	<1.0	7.88	<0.010	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	<0.010	210.8	95.7	67	360	0.02	0.14	<2.0	5	<0.004	<0.004	<0.5	0.84
MW-234S	Aug-94	12	308	<5.0	2	524	325	<1	7.26	<0.010	39.7	105	10.4	352	0.1	0.22	<2.0				<0.5	2.22
MW-234S	Nov-94	11.5	224	10	1	439	301	6	7.24	<0.010	36.8	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	<0.010	36.8	81.8	53	328	0.03	0.25	<2.0				<0.5	3.28
MW-234S	June-95	11.5	222	<5.0	7	404	259	15	7.45	<0.010	1.8	84.2	62	424	0.31	0.2	<2				<0.5	0.6
MW-234S	Sept-95	11	179	<5.0	1	349	260	6	7.46	<0.010	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	<0.010	50	174	76	488	<0.02	<0.05	<2	10	<0.004	<0.004	<0.5	0.6
MW-234S	Apr-96	10.4	210	7.8	18	1290	350	<1	6.7	<0.02	92	120	16	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	165	760	21	330	<0.02	<0.02	<4				1.8	<2
MW-234S	Sept-96	10.9	250	25	<1	980	440	<1	7.5	<0.002	175	210	20	330	<0.03	<0.02	<4				<0.5	2.22
MW-234S	Nov-96	10.4	260	<1	2.8	587	370	1	7.5	<0.002	175	210	20	330	<0.03	<0.02	<4				0.53	<2
MW-234S	March-97	10.2	280	6.4	4.5	1100	450	<1	6.9	<0.002	135	190	197	370	<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	600	<0.03	<0.02	<4				0.33	<2
MW-234S	Sept-97	12	240	49	4.6	710	380	1.1	7.7	<0.002	160	200	140	600	<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	450	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	410	0.042	<0.02	<4				0.47	<2
MW-234S	June-98	12.2	310	<3	1.9	822	470	1.2	7.69	<0.002	45	200	337	550	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	520	<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	380	<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	130	>999	490	<0.03	<0.02	<4				0.86	<0.1
MW-234S	June-99	11.4	230	40	4.6	690	550	1.4	7.12	<0.002	215	140	>999	450	<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	430	<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	410	<0.03	<0.02	<4	1	<0.01	<0.01	0.3	<1
MW-234S	Apr-00	9.4	245	<10	3.75	650	352	1.1	7.82	<0.004	-85	120	7.8	456	0.108	<0.05	<3	<10	<0.01	<0.01	<1	<1
MW-234S	June-00	14.1	234	<10	3.34	525	378	1.1	7.59	<0.004	-178	150	27.1	350	<0.01	<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	<0.01	<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	<0.01	<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	<0.01	<0.05	<3				<1	<1
MW-234S	Jun-01	13.8	230	<10	3.79	1819	340	2.6	7.49	<0.004	2	131	2.6	417	<0.01	<0.01	<3				<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	<0.01	<0.01	<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	<0.01	<0.01	<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	<0.01	<0.01	<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	<0.01	<0.01	<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	<0.01	<0.01	<3	5	<0.005	<0.01	<1	<1
MW-234S	Dec-02	8.7	228	<10	3.64	685	346	<1	7.68	<0.004	21	125	1.3	450	<0.01	<0.01	<3				<1	<1
MW-234S	Apr-03	11.8	233	<10	2.98	698	342	1.1	8.07	<0.004	225	124	6.6	474	<0.10	<0.1	<3	<5	<0.005	<0.01	<1	<1
MW-234S	Jun-03	18.1	229	<10	<5.0	544	338	2.07	8.04	<0.010	98	125	7.4	454	<0.10	0.28	<4.00	15	<0.0100	<0.010	<1.00	<1.00
MW-234S	Sept-06	13.2	240	10	10	181	330	1.7	7.87	<0.010	558	120	19.2	450	<1.0	<0.25	<4.0	20	<0.010	<0.010	0.31	<1.0
MW-234S	Dec-07	9.7	240	<5	3.8	580	350	1.6	6.51	<0.003	240	58	10	390	<0.03	<0.1	<4.0	20	<0.01	<0.01	0.34	<0.1
MW-234S	Aug-09																					

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 (field)	Phenols (S.U.)	Eh (mV)	SC4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOB5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br- (mg/l)
Chase GW Quad					240				6.4-6.5	0.001		250	800		2	10						2
NW-234D	Nov-89	11.6	78.9	<10.0	16.1	281.5	62.4	2.51	7.22	<0.001	-95.6	51.9	27	174	0.11	0.3	10	<5	<0.005	<0.01		
Feb-90			162		40.7		276	2.36	<0.005				22	246	0.07		2	10			0.3	
NW-234D	Apr-90	10.7	272		30.8	371	344	8.63	<0.005	<0.005	-93.7	88.5	30	361	<0.04		17	10			0.11	
NW-234D	Nov-90	10	188	<1	30.3	420	290	5	7.2	<0.010	130.6	120	35	401	0.08	<0.1	7.4	10	<0.004	0.032	<0.5	
NW-234D	Feb-91	10	184	<0.5	34.7	620	300	3.4	7.83	<0.010	115.4	98	17	448	0.04	<0.04						
NW-234D	May-91	11	178	5	32.9	450	286	3.2	7.36	<0.010	222.9	78.5	12.5	437	0.03	0.13						
NW-234D	Aug-91	10	176	1.6	26	670	270	<3.0	7.56	<0.010	280.3	75.2	10	437	0.03	<0.04						
NW-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	<0.5		<0.010	<0.004	<0.5	
NW-234D	Feb-92	11	186	18	25.7	641	284	<1.0	7.22	<0.010	79	90	19	364	0.06	<0.02						
NW-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						
NW-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						
NW-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						
NW-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						
NW-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						
NW-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						
NW-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	<2.0					
NW-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					
NW-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					
NW-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					
NW-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					
NW-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					
NW-234D	June-95	12.5	250	<5.0	39	475	307	11	7.24	<0.010	16	79	7.2	500	0.22	0.15	<2					
NW-234D	Sept-95	12	270	12.5	37	435	333	<1	7.29	<0.010	31.7	99.4	7.8	456	0.07	<0.05	<2					
NW-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					
NW-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					
NW-234D	June-96	11.2	260	1	28	718	350	<1	7.2	<0.002	78	84	24	500	<0.03	0.02	<4					
NW-234D	Sept-96	10.8	230	1	31	740	300	1	7.4	<0.003	60	84	7.4	490	<0.03	0.02	<4					
NW-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					
NW-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					
NW-234D	June-97	11.1	180		27	504	210	1.7	7.68	<0.002	185	61	<1	340	<0.03	0.088	<4					
NW-234D	Sept-97	12	150	<1	29	490	220	1.8	7.7	<0.002	155	63	25	350	<0.03	0.13	<4					
NW-234D	Dec-97	9.9	170	4.8	26	541	170	1.2	7.88	<0.002	160	60	33	290	<0.03	0.052	<4					
NW-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					
NW-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					
NW-234D	Sept-98	11.5	350	21	34	797	460	2.2	7.05	<0.002	65	66	144	350	<0.03	0.069	4.2					
NW-234D	Dec-98	9.3	390	12	45	859	480	3.1	7.07	<0.002	30	45	115	450	<0.03	0.02	12					
NW-234D	Apr-99	11.1	200	5.4	33	641	310	1.5	7.31	<0.002	130	85	220	400	<0.03	0.05	<4					
NW-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					
NW-234D	Sept-99	12.2	320	23	34	782	440	1.7	7.91	<0.004	240	86	288	470	<0.03	0.02	9.8					
NW-234D	Dec-99	10.2	260	12	31	745	400	1.4	8.24	<0.002	245	92	191	470	<0.03	<0.02	<4					
NW-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					
NW-234D	Jun-00	14	255	<10	30	550	338	1.2	7.85	<0.004	-160	88	749	421	<0.1	<0.05	<3					
NW-234D	Sept-00	11.2	256	<10	29.6	714	334	1	7.44	<0.004	-21	88	7.6	421	<0.1	<0.05	<3					
NW-234D	Dec-00	9.2	279	<10	26.2	624	310	<1	7.66	<0.004	48	70	5.3	425	<0.1	0.115	<3					
NW-234D	Mar-01	10.7	225	<10	26.2	618	284	2.2	7.54	<0.006	-23	78	1.8	358	<0.1	0.099	<3					
NW-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					
NW-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					
NW-234D	Dec-01	10.6	254	<10	32.8	759	357	<1	7.29	<0.004	-13	91.7	6.38	451	<0.1	<0.1	<3					
NW-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					
NW-234D	Jun-02	11.9	253	<10	30.4	674	321	<1	7.59	<0.007	-15	77.9	3	419	<0.1	<0.1	<3					
NW-234D	Sept-02	12.4	255	<10	33.4	702	312	<1	7.44	<0.007	57.3	88.1	1.6	458	<0.1	<0.1	<3					
NW-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					
NW-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					
NW-234D	Jun-05	15.3	143	<10.0	28	493	204	2.69	7.97	<0.010	161	71.7	6.3	340	<0.10	0.39	<4.00					
NW-234D	Sept-06	12.5	170	<10	38	233	360	1.4	8.06	<0.010	416	120	0	330	<0.25	<0.25	<4.0					
NW-234D	Dec-07	10	240	5.7	36	628	340	1.4	6.75	<0.003	225	52	3	420	<0.03	<0.1	<4.0					
NW-234D	Aug-09	15.6	168	4	36	540	266	1.1	7.72	<0.010	71	77.2	13.1	358	0.06	<0.05	<2					

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (mg/l)	En (mV)	SO4 ⁼ (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3 ⁻ (mg/l)	BOB5 (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br ⁻ (mg/l)	
Cham-GA GW Qual. Sub & Gold, Inc.									6.4-6.5	0.001		250	250	250	2	10						2	
MW-235S	Dec-00	8.4	578	19.2	25.5	1142	637	<1	7.39	<0.004	-39	61	11	719	<0.1	<0.05	<3					<1	<1
MW-235S	Mar-01	10.9	570	<10	<1	1144	571	7.1	7.31	<0.004	-94	54	1.6	668	<0.1	0.09	<3	250	<0.01			1.23	<1
MW-235S	Jun-01	13.9	555	<10	31.2	1158	600	11	7.14	<0.004	-116	68	4.2	685	<0.1	<0.1	<3					<1	<1
MW-235S	Sep-01	13.1	553	13.8	27.3	1181	621	5.9	7.2	<0.004	-117	59.1	3.46	702	0.114	<0.1	<3					<1	<1
MW-235S	Dec-01	10.8	619	25.6	21.7	1200	629	5.6	7.07	<0.004	-109	48.9	33.8	696	<0.1	<0.1	<3					1.46	<1
MW-235S	Mar-02	10.5	646	14.2	17.9	1213	699	6.7	7.11	<0.004	-60	40.2	1.82	735	<0.1	<0.1	<3					<1	<1
MW-235S	Jun-02	12.3	679	<10	16.6	1264	358	7.1	7.26	<0.004	-89	38.1	2.7	719	0.11	<0.1	<3					<1	<1
MW-235S	Sep-02	12.1	678	12.9	17.6	1233	674	4.4	7.25	<0.004	28.5	40.2	13	776	0.242	<0.1	<3	25	<0.005	<0.01		<1	<1
MW-235S	Dec-02	8.5	671	<10	16.6	1357	693	4.7	7.25	<0.004	-11	32.5	2.4	775	<0.1	<0.1	<3					<1	<1
MW-235S	Apr-04	11.7	627	16	20.2	1228	628	6.8	7.72	<0.004	98	25.7	9.4	748	0.433	<0.1	<3	15	<0.005	<0.01		<1	<1
MW-235D	Dec-00	8.6	183	<10	17.1	539	201	<1	7.72	<0.004	8	79	4.1	326	0.134	<0.05	<3					<1	<1
MW-235D	Mar-01	10.6	188	<10	18	539	187	2.5	7.62	<0.004	-90	75	2.9	286	<0.01	0.121	3					<1	<1
MW-235D	Jun-01	14.9	185	<10	19.8	567	197	4.2	7.71	<0.004	-77	72.2	3.1	320	<0.1	<0.1	<3	5	<0.01			<1	<1
MW-235D	Sep-01	14.7	214	11	17	574	201	2.1	7.79	<0.004	99	75.2	2.71	328	<0.1	0.187	<3					<1	<1
MW-235D	Dec-01	11	197	<10	17.3	562	216	1.3	7.45	<0.004	-82	68.3	8.1	316	0.242	<0.1	<3					<1	<1
MW-235D	Mar-02	10.5	197	<10	16.8	474	210	1.6	7.64	<0.004	37	70.4	4.94	323	<0.1	0.262	<3					<1	<1
MW-235D	Jun-02	12.6	217	<10	18.4	1292	195	2.2	6.86	<0.004	-98	58.3	4.5	341	2.35	<0.1	<3					2.05	<1
MW-235D	Sep-02	12.5	237	<10	19.9	546	187	2.2	7.9	<0.004	-3.3	38.6	8.9	334	5.56	<0.1	4	15	<0.005	<0.01		5.76	<1
MW-235D	Dec-02	9.5	205	<10	20.1	541	193	1.3	7.85	<0.004	-88.5	60.2	6.4	335	2.51	<0.1	3					2.31	<1
MW-235D	Apr-04	11.4	320	128	9.27	616	248	42	7.58	0.215	-76	<5.0	6.8	373	18.3	<0.1	>20E	<5	<0.005	<0.01		18.9	<1
MW-236S	Nov-89	10.9	156	<10.0	13.8	355	212	2.22	7.18	<0.016	-53.3	48.2	35	287	0.11	<0.10	10	<5	<0.005	0.03		78	<1
MW-236S	Feb-90	16.9	169	16.4	14.3	487	234	1.12	<0.005	<0.005	63.4	3.08	198	232	0.19	<0.04	5	10				0.19	<1
MW-236S	Apr-90	12.4	168	16.8	14.3	487	200	11.5	<0.005	-32.4	65.9	19	334	334	0.05	<0.1	9.2	5	<0.004	0.033		<0.5	<1
MW-236S	Nov-90	10	180	49	17.1	360	255	15	7.1	<0.010	105.2	68	625	314	0.05	<0.04						<0.5	<1
MW-236S	Feb-91	9	172	4.3	15.9	520	240	14	7.45	<0.010	64.5	65	145	353	0.12	<0.04						<0.5	<1
MW-236S	May-91	11	168	2.2	12.8	360	236	<3	7.27	<0.010	229.8	60	109	313	0.03	<0.04						<0.5	<1
MW-236S	Aug-91	11	170	6.7	14.6	530	232	12	6.98	<0.010	169.7	64.8	74	347	0.05	<0.04						<0.5	<1
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						<0.5	<1
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	<1
MW-236S	May-92	12	200	6.4	14	469	213	<1	7.54	<0.010	331.3	63	84	336	<0.04	0.1						<0.5	<1
MW-236S	Aug-92	12	168	1	16.5	448	190	<1	7.49	<0.010	339.5	72.8	60	372	<0.04	<0.02						<0.5	<1
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						<0.5	<1
MW-236S	Feb-93	10	202	7	16	481	166	13	7.35	<0.010	258.2	54	355	384	<0.02	<0.02						<0.5	<1
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						<0.5	<1
MW-236S	Aug-93	14.5	174	2.92	19	356	205	<1	6.86	<0.010	154.2	61.6	110	312	<0.02	<0.02						<0.5	<1
MW-236S	Dec-93	10	210	3.9	17	498	222	1	7.04	<0.010	170.4	117	410	368	0.06	0.07						<0.5	<1
MW-236S	Feb-94	10.5	222	8.9	17	670	256	<1.0	7.18	<0.010	260.6	76.1	425	316	<0.02	<0.05	<2.0					<0.5	<1
MW-236S	May-94	11.5	212	12.9	30	473	252	17	7.16	<0.010	130.2	77.6	70	400	<0.02	0.08	3	<5	<0.004	<0.004		<0.5	<1
MW-236S	Aug-94	12.5	176	9.5	20.5	499	242	<1	7.12	<0.010	61.1	71.2	34.5	348	0.03	0.13	<2.0					<0.5	<1
MW-236S	Nov-94	11.5	242	14.3	32	465	288	4	7.08	<0.010	108.4	83.2	45	472	0.02	0.26	<2					<0.5	<1
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	<1
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	<1
MW-236S	Sep-95	11	135	12.5	21	330	191	<1	6.87	<0.010	100.1	48.5	240	328	0.11	0.13	<2					<0.5	<1
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					<0.5	<1
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	<1
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	Sep-96	13.4	240	28	19	560	260	1.1	7.7	<0.002	310	300	28	360	0.08	0.059	<4					0.35	<2
MW-236S	Nov-96	10.1	230	<1	32	712	260	1.8	6.61	<0.002	125	83	54	370	<0.03	0.04	<4					0.39	<2
MW-236S	March-97	9.8	170	17	36	910	370	1.8	6.7	<0.002	135	66	637	380	<0.03	0.053	<4	10	<0.01	<0.01		0.81	<2
MW-236S	June-97	12.1	250	30	32	577	440	1.5	6.78	<0.002	285	73	979	430	0.073	0.075	<4					0.37	<2
MW-236S	Sep-97	12	250	2.8	34	630	330	2.8	7.7	<0.002	195	72	130	450	<0.03	0.14	<4					0.17	<2
MW-236S	Dec-97	11.1	230	31	27	820	350	3.1	6.73	<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	45	66	356	420	0.047	0.06	<4	15	<0.01	<0.01		0.51	<1
MW-236S	Sep-98	11.8	200	72	23	484	280	1.8															

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond umhos/cm	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (mg/l)	En (mV)	SO ₄ (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ (mg/l)	BOD ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br ⁻ (mg/l)
MW-236D	Nov-89	11.8	121	<0.01	77.5	363	167	0.84	6.54	0.001	-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			10.6	12	281	<0.04		92	15			35	
MW-236D	Apr-90	11.9	106		81	419	172	19.2	<0.005			10.6	12	281	<0.04						0.04	
MW-236D	Nov-90	10	119	8.8	76.8	340	185	7.2	7.35	<0.005	-66.8	13	55	298	<0.1	<0.04						
MW-236D	Feb-91	10	116	<0.5	81.4	1000	190	9	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	7.33	<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	7.28	<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					
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							
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						
MW-236D	Aug-93	14	114	1.94	74	365	159	<1.0	7.24	<0.010	7	44.3	1.1	284	<0.02	<0.02						
MW-236D	Dec-93	11	116	3.9	77	447	166	<1.0	7.2	<0.010	142.8	78	1.3	292	0.06	<0.05						
MW-236D	Feb-94	10	112	<1.0	75	502	109	<1.0	7.45	<0.010	232.5	38.2	3	256	<0.02	<0.05	<2.0				<0.5	0.94
MW-236D	May-94	11	120	4.3	75	376	144	14	7.75	<0.010	156.9	31	1.9	288	0.07	0.04	2.2				<0.5	0.93
MW-236D	Aug-94	12.5	112	14.3	73	475	164	<1.0	7.34	<0.010	128	17.9	3	260	0.04	0.16	<2.0				<0.5	2.34
MW-236D	Nov-94	11	145	19	75	411	134	<1	7.52	<0.010	154.7	14.4	3.7	316	<0.02	0.13	<2.0				<0.5	2.35
MW-236D	March-95	11	131	<5.0	76	371	154	4	6.79	<0.008	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				<0.5	1.2
MW-236D	April-96	11.3	120	<1	69	450	230	<1	7.2	<0.002	30	14	250	260	<0.03	0.023	<4				<0.01	0.41
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	537	140	<1	6.93	<0.002	135	30	280	270	<0.03	<0.02	<4				0.48	<2
MW-236D	June-97	13.1	140	6.6	66	443	160	<1	6.93	<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	6.5	<0.002	250	30	5	300	0.01	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	<0.01	<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	0.033	0.043	7.8				0.24	<1
MW-236D	Sept-98	11.9	140	6.4	58	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 (field)	Phenols (mg/l)	EA (mV)	SCM (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BO55 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br- (mg/l)
SW-245S	Nov-89	10.7	297	35.9	35.5	851	648	2.93	6.54	0.001	-16.4	319	280	781	0.29	<0.10	32	<5	<0.005	<0.01		
MW-245S	Feb-90	13.6	316		47.9	750	670	3.57		<0.005		337	2150	545	0.14		8	70			2.34	
MW-245S	Apr-90	11.4	382		57.3	969	670			<0.005		331	50	970	0.11		8	15			0.75	
MW-245S	Nov-90	12	314	31	27.4	1200	610	19	7.01	<0.005	134.5	780	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	7.35	<0.010	4	154	125	884	0.1	<0.04						
MW-245S	May-91	12	356	7.5	55.6	890	640	9	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	7.25	<0.010	105.6	277	250	876	0.07	<0.04						
MW-245S	Nov-91	12	330	35	26	1244	614	<1	7.05	<0.010	175.9	286	280	990	0.17	<0.04						
MW-245S	Feb-92	10	318	21.1	25.7	1221	707	10	6.76	<0.010	172.9	380	37	844	0.16	<0.02						
MW-245S	May-92	13	422	8.6	90	1268	658	<1.0	7.01	<0.010	217.4	344	80	1053	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	955	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						
MW-245S	Mar-94	13.5	314	4.86	40	683	568	<1.0	6.75	<0.010	96.1	315	190	868	<0.02	<0.02						
MW-245S	Dec-93	11	256	7.4	31	904	568	10	7.08	<0.010	139.2	353	240	872	<0.02	0.02						
MW-245S	Mar-94	11	416	10.6	37	1275	628	60	6.96	<0.010	248.4	403	260	1000	0.04	<0.05	<2.0				<0.5	0.82
MW-245S	Jun-94	13.5	472	6.5	35	1035	633	3	6.86	<0.010	109.1	339	230	1033	0.02	0.02					<0.50	1
MW-245S	Aug-94	11.5	236	<5.0	22.5	852	447	2	6.99	<0.010	69.4	235	28	666	0.07	<0.05	<2.0				<0.5	2
MW-245S	Nov-94	11	396	9.5	42	822	498	7	7.05	<0.010	126.8	288	41	309	0.1	<0.05	<2.0				0.64	3.92
MW-245S	Mar-95	11.5	509	5	46	686	844	13	7.12	<0.010	106.4	229	15	1096	0.042	<0.02	<4				<0.5	0.3
MW-245S	Jun-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	0.3
MW-245S	Sept-95	11.5	378	20.8	45	525	562	32	7.12	<0.010	11.7	313	110	990	0.21	<1	<2				<0.5	0.3
MW-245S	Dec-95	10.5	532	<5.0	45	512	646	<1	7.01	<0.010	16.3	219	15	1096	0.1	<0.05	<2				<0.5	0.3
MW-245S	Apr-96	11.2	480	79	45	1390	770	2.3	7.1	<0.002	150	287	160	1300	0.086	<0.02	<4				11	<0.2
MW-245S	June-96	12.3	350	88	21	1180	550	2.3	6.6	<0.002	120	340	160	1300	0.086	<0.02	<4				11	<0.2
MW-245S	Sept-96	10.8	410	43	28	1200	620	2.2	7.5	<0.002	70	460	82	850	0.06	<0.03	<4				0.87	<2
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				0.87	<2
MW-245S	March-97	9.9	380	23	25	1210	600	3.2	7.1	<0.002	110	240	>999	700	<0.03	<0.02	<4				0.29	<2
MW-245S	June-97	11.6	410	68	32	1150	630	2.7	6.79	<0.002	305	440	357	650	0.16	<0.02	<4				1.2	<2
MW-245S	Sept-97	13	530	15	33	1100	540	2.4	7.4	<0.002	165	240	150	750	0.088	<0.02	<4				0.33	<2
MW-245S	Dec-97	9.3	340	14	23	1100	570	2.4	7.58	<0.002	155	280	135	650	0.15	<0.02	<4				0.4	<2
MW-245S	Mar-98	9.7	400	13	25	1230	600	2	7.47	<0.002	240	280	135	650	0.081	<0.02	<4				0.38	<2
MW-245S	June-98	12.4	240	<3	3.3	453	460	3	7.55	<0.002	115	41	238	270	<0.03	0.084	<4				0.95	<1
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	<1
MW-245S	Dec-98	9.8	360	14	53	893	790	2	7.59	<0.002	115	180	>999	990	<0.03	0.041	7.6				0.4	<1
MW-245S	Apr-99	10.7	320	8.4	25	1110	690	2.1	6.5	<0.002	75	240	315	620	0.061	<0.02	<4				1.1	<0.1
MW-245S	Jun-99	11.5	360	31	30	1170	730	1.9	6.45	<0.002	280	210	104	740	0.045	<0.02	<4				0.64	<0.1
MW-245S	Sept-99	12.5	340	8.5	40	1020	630	2	6.79	<0.002	300	200	55	710	0.099	<0.02	<4				0.45	<0.1
MW-245S	Dec-99	9.7	360	49	31	1130	610	1.8	6.47	<0.002	520	200	403	680	0.099	<0.02	<4				0.45	<0.1
MW-245S	Apr-00	9.8	380	<10	28.3	1150	582	1.8	7.11	<0.004	-75	200	9.4	1213	0.167	<0.05	<3				<1	<1
MW-245S	Jun-00	14.4	463	<10	32.8	950	667	3.1	7.53	<0.004	-78	250	4.31	793	0.124	<0.05	<3				<1	<1
MW-245S	Sept-00	11.3	419	<10	34.9	1096	614	2.5	7.07	<0.004	84	200	6.6	711	0.125	<0.05	<3				<1	<1
MW-245S	Dec-00	9	366	<10	27.6	995	519	<1	7.46	<0.004	84	210	16	831	0.11	<0.05	<3				<1	<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				<1	<1
MW-245S	Jun-01	13.3	337	<10	45.5	971	411	4.5	7.15	<0.004	98	148	6.1	623	<0.1	<0.1	<3				<1	<1
MW-245S	Sept-01	12.7	297	<10	34	939	453	2	7.24	<0.004	43	170	12.9	772	0.111	<0.1	<3				<1	<1
MW-245S	Dec-01	10.3	333	<10	27.7	963	499	1.2	7.54	<0.004	69	171	11.5	668	0.109	<0.1	<3				<1	<1
MW-245S	Mar-02	9.2	374	10.4	25.1	954	545	1.4	6.79	<0.004	108	201	11.5	668	0.109	<0.1	<3				<1	<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	<1
MW-245S	Sept-02	12.3	402	<10	24.7	892	537	2.3	6.88	<0.004	132.3	190	9.91	779	0.109	<0.1	<3				<1	<1
MW-245S	Dec-02	9.1	460	<10	29.5	1386	641	2.5	7.09	<0.004	18	221	13	803	0.128	<0.1	<3				<1	<1
MW-245S	Apr-04	11.7	293	<10	19.5	901	412	2.5	7.82	<0.004	62	156	5.2	576	<1.00	<0.10	<4.00				<1.00	<1.00
MW-245S	Jun-05	16.7	260	11.6	42	708	415	2.97	8.99	<0.010	81	126	190	542	<1.00	<0.20	<4.00				<1.00	<1.00
MW-245S	Sept-06	16.6	250	37	29	261	850	1.6	8.14	<0.010	531	170	1000	600	<1.0	<0.25	<4				<1.0	<1.0
MW-245S	Dec-07	9.1	340	90	4.4	970	590	2.3	6.95	<0.003	170	7.5	259	600	<0.03	<0.1	<4				0.28	<0.1
MW-245S	Aug-09	15.9	410	4	86	1540	590	2.4	7.31	<0.010	87	152	103	832	0.12	<0.05	<4				0.67	<0.1

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (mg/l)	Eh (mV)	SO4 ⁼ (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3 ⁻ (mg/l)	BOD5 (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br ⁻ (mg/l)
Client QA, GW Qual. Std's & Qual. Val.									6.5-8.5	0.001		250		500	7	10			<0.005	0.01		2
MW-245D	Feb-90	167	39.6		16	536	153	25		<0.006	-16.75	149	13	411	<0.04	<0.01		22	10	<0.005	0.01	0.98
MW-245D	Apr-90	11.3	197		17.2	536	250	3.72		<0.005	-16.75	163	18	482	0.8			23				8.1
MW-245D	Nov-90	9	366	116	14.7	890	210	26	7.45	0.003	1.7	110	42	553	2.8	<0.04			0.004	0.004		
MW-245D	Feb-91	11	338	18.1	18.9	930	260	<3.0	7.63	<0.010	-48.3	138	180	496	4.4	<0.04						
MW-245D	May-91	12	288	9.4	15.7	600	290	6.1	7.01	<0.010	171.5	122	80	590	2.63	0.35						
MW-245D	Aug-91	11	276	11.7	18.3	915	330	7.3	7.58	<0.010	104.9	154	40	540	1.91	<0.04						
MW-245D	Nov-91	13	306	7.8	17	898	288	<1	7.18	<0.010	53	112	21	540	5.91	<0.04						
MW-245D	Feb-92	10	340	28.5	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-245D	May-92	13	288	10.6	11	842	320	<1.0	7.24	<0.010	199.2	164	23	624	2.59	<0.02						
MW-245D	Aug-92	10	314	9.14	14.5	1046	293	<1	7.24	<0.010	203.8	158	77	573	3.34	0.12						
MW-245D	Dec-92	10	288	16.2	14.5	804	262	27	6.79	<0.010	142.7	184	3.6	536	2.89	<0.02						
MW-245D	Feb-93	13.5	300	1.7	16	441	325	7	7.31	<0.010	202.2	175	5	500	3.99	0.09	2.2	<5	<0.004	<0.004	5	
MW-245D	Sep-93	10.5	244	<1.0	18	814	398	10	7.09	<0.010	-0.1	212	0.5	564	2.87	0.03						
MW-245D	Dec-93	10.5	244	<1.0	18	814	398	10	7.09	<0.010	-0.1	212	0.5	564	2.87	0.03						
MW-245D	Mar-94	11	244	<1.0	19	904	338	34	6.88	<0.010	240.6	181	2	448	2.87	<0.05	<2.0				3.54	0.19
MW-245D	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-245D	Aug-94	11.5	248	13.3	19	885	412	12	7.08	<0.010	64.8	195	2.1	548	2.89	1.18		10	<0.004	<0.004	<0.5	1.12
MW-245D	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-245D	March-95	11.5	148	<5.0	18	535	459	6	7.22	<0.010	107.2	157	0.6	544	3.55	0.22	<2				1.38	<0.2
MW-245D	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-245D	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-245D	Dec-95	10	250	<5.0	20	426	362	<1	7.07	<0.010	27.4	206	1	640	3.46	<0.05	<2				0.73	<0.2
MW-245D	April-96	11.2	270	5.5	21	95	610	2.6	7.5	<0.002	175	210	10	650	1	0.02	<4	30	<0.01	<0.01	2.1	0.12
MW-245D	June-96	12.4	290	14	16	1000	520	1.4	7.2	<0.002	-5	330	10	1300	1	<0.02	5.2				10	<2
MW-245D	Sept-96	11	330	<1	16	980	400	5.4	7.3	<0.002	-30	330	45	700	2.2	<0.02	8.5				2.3	<2
MW-245D	Nov-96	9.9	340	10	20	1000	300	1.4	7.17	<0.002	105	380	26	600	6	0.1	<0.02	10	<0.01	<0.01	6	<2
MW-245D	March-97	9.6	480	38	18	1010	420	2.1	7	<0.002	125	190	110	640	6	0.1	<0.02	10	<0.01	<0.01	6	<2
MW-245D	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-245D	Sept-97	13.8	340	13	63	950	330	1.4	7.7	<0.002	190	180	9	640	5.2	<0.02	5				6.8	<2
MW-245D	Dec-97	9.4	350	7	17	990	390	1.9	7.49	<0.002	40	250	23	590	3.1	<0.02	8				4.7	<2
MW-245D	Mar-98	9.6	430	28	19	1020	390	2.9	7.69	<0.002	240	190	29	600	8.4	<0.02	9.5				9.1	<2
MW-245D	June-98	12.1	400	<3	20	957	400	1.9	6.85	<0.002	-85	210	33	670	12	0.055	<4	20	<0.01	<0.01	13	<1
MW-245D	Sept-98	12.1	360	15	26	960	410	3.1	6.65	<0.002	-15	180	46	590	6	<0.02	9				6.9	<1
MW-245D	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-245D	Jun-99	11.3	350	40	20	1020	410	1.8	6.87	<0.002	160	184	118	630	8.3	0.027	7.7				9.7	<0.1
MW-245D	Apr-00	9.6	222	54.8	23.9	990	384	1.8	7.14	<0.004	-67	140	24	622	8.43	0.094		150	<0.01		11.8	<1
MW-245D	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-245D	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-245D	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-245D	Mar-01	9.9	351	<10	23	948	271	5.3	7.2	<0.004	-117	190	12	546	6.83	<0.05	<3				5.52	<1
MW-245D	Jun-01	13.1	297	<10	26.2	1012	292	2.9	7.54	<0.004	-111	206	20	584	7.08	0.152	5	70	<0.01		9.08	<1
MW-245D	Sept-01	13.1	283	27.8	24.2	970	290	1.8	7.53	0.003	-112	198	15.1	559	7.12	<0.1	<3				8.74	<1
MW-245D	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-245D	Mar-02	9.7	294	<10	21.8	901	315	<1	7.53	<0.004	-80	188	34.9	563	8.22	<0.1	<3				3.43	<1
MW-245D	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-245D	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-245D	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-245D	Apr-04	11.3	558	24	23.7	843	361	2	7.78	<0.004	42	176	6.2	544	6.59	0.89	13	15	<0.005	<0.01	5	<1
MW-245D	Jun-05	15.7	314	17.5	25	874	327	2.45	7.98	<0.010	109	165	37	590	<1.00	<0.25	<4	150	<0.010	0.01	<1.00	<1.00
MW-245D	Sept-06	13.5	120	43	11	263	150	3.8	8.97	<0.010	262	5.7	13	470	13	<0.1	<4	20	<0.01	<0.01	13	<0.1
MW-245D	Dec-07	9.3	340	<5	23	785	350	2.2	7.12	<0.003	115	58	13	500	11.2	<0.05	<4	2	<0.005	<0.004	11.2	<0.1
MW-245D	Aug-09	17.9	350	13	24	813	323	1.8	7.2	<0.010	89	93.2	9	500	11.2	<0.05	<4	2	<0.005	<0.004	11.2	<0.1

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Date	Chloride (mg/l)	Al (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Br (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Mn (mg/l)	Ni (mg/l)	Pb (mg/l)	S (mg/l)	Se (mg/l)	Si (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)	P (mg/l)
14-10-01	Nov-97																						
MW-2305	Feb-90																						
MW-2305	Apr-90																						
MW-2305	Nov-90																						
MW-2305	Feb-91																						
MW-2305	May-91																						
MW-2305	Aug-91																						
MW-2305	Nov-91																						
MW-2305	Feb-92																						
MW-2305	May-92																						
MW-2305	Aug-92																						
MW-2305	Dec-92																						
MW-2305	Feb-93																						
MW-2305	May-93																						
MW-2305	Aug-93																						
MW-2305	Dec-93																						
MW-2305	Feb-94																						
MW-2305	May-94																						
MW-2305	Aug-94																						
MW-2305	Nov-94																						
MW-2305	March-95																						
MW-2305	June-95																						
MW-2305	Sept-95																						
MW-2305	Nov-95																						
MW-2305	April-96																						
MW-2305	June-96																						
MW-2305	Sept-96																						
MW-2305	Nov-96																						
MW-2305	Mar-97																						
MW-2305	June-97																						
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MW-2305	Mar-98																						
MW-2305	June-98																						
MW-2305	Sept-98																						
MW-2305	Dec-98																						
MW-2305	Mar-99																						
MW-2305	Apr-00																						
MW-2305	Jan-01																						
MW-2305	Sept-02																						
MW-2305	Apr-04																						
MW-2305	Jan-05																						
MW-2305	Sept-06																						
MW-2305	Dec-07																						
MW-2305	Aug-09																						

TABLE 14 • HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Ba (mg/l)	d-Bi (mg/l)	d-Bk (mg/l)	d-Ca (mg/l)	d-Cl (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Ni (mg/l)	d-Pb (mg/l)	d-Sb (mg/l)	d-Se (mg/l)	d-Ti (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
MW-2335	Nov-90																			
MW-2335	Feb-91																			
MW-2335	May-91																			
MW-2335	Aug-91																			
MW-2335	Nov-91																			
MW-2335	Feb-92																			
MW-2335	May-92																			
MW-2335	Aug-92																			
MW-2335	Dec-92																			
MW-2335	Feb-93																			
MW-2335	May-93																			
MW-2335	Aug-93																			
MW-2335	Dec-93																			
MW-2335	Feb-94																			
MW-2335	May-94																			
MW-2335	Aug-94																			
MW-2335	Nov-94																			
MW-2335	March-95																			
MW-2335	June-95																			
MW-2335	Sept-95																			
MW-2335	Nov-95																			
MW-2335	April-96																			
MW-2335	June-96																			
MW-2335	Sept-96																			
MW-2335	Nov-96																			
MW-2335	Mar-97																			
MW-2335	June-97																			
MW-2335	Sept-97																			
MW-2335	Dec-97																			
MW-2335	Mar-98																			
MW-2335	June-98																			
MW-2335	Sept-98																			
MW-2335	Dec-98																			
MW-2335	June-00																			
MW-2335	Sept-00																			
MW-2335	Dec-00																			
MW-2335	Mar-01																			
MW-2335	June-01																			
MW-2335	Sept-01																			
MW-2335	Dec-01																			
MW-2335	Mar-02																			
MW-2335	June-02																			
MW-2335	Sept-02																			
MW-2335	Dec-02																			
MW-2335	Apr-04																			
MW-2335	Aug-05																			
MW-2335	Sept-06																			
MW-2335	Dec-07																			
MW-2335	Aug-09																			

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 14 • HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Br (mg/l)	Ca (mg/l)	Co (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Mn (mg/l)	Ni (mg/l)	Pb (mg/l)	Sb (mg/l)	Se (mg/l)	Si (mg/l)	Th (mg/l)	V (mg/l)	Zn (mg/l)	Pb (mg/l)
MW-2365	Nov-89																					
MW-2365	Feb-90																					
MW-2365	Apr-90																					
MW-2365	Nov-90																					
MW-2365	Feb-91																					
MW-2365	Mar-91																					
MW-2365	Aug-91																					
MW-2365	Nov-91																					
MW-2365	Feb-92																					
MW-2365	Mar-92																					
MW-2365	Aug-92																					
MW-2365	Dec-92																					
MW-2365	Feb-93																					
MW-2365	Mar-93																					
MW-2365	Aug-93																					
MW-2365	Dec-93																					
MW-2365	Feb-94																					
MW-2365	May-94																					
MW-2365	Aug-94																					
MW-2365	Nov-94																					
MW-2365	March-95																					
MW-2365	June-95																					
MW-2365	Sept-95																					
MW-2365	Nov-95																					
MW-2365	April-96																					
MW-2365	June-96																					
MW-2365	Sept-96																					
MW-2365	Nov-96																					
MW-2365	Mar-97																					
MW-2365	June-97																					
MW-2365	Sept-97																					
MW-2365	Dec-97																					
MW-2365	Mar-98																					
MW-2365	June-98																					
MW-2365	Sept-98																					
MW-2365	Dec-98																					

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	δ-Al (mg/l)	δ-B (mg/l)	δ-Cd (mg/l)	δ-Cr (mg/l)	δ-Cu (mg/l)	δ-Fe (mg/l)	δ-Mg (mg/l)	δ-Mn (mg/l)	δ-Ni (mg/l)	δ-V (mg/l)	δ-Zn (mg/l)	δ-Pb (mg/l)
MW-2455	Nov-89												
MW-2455	Feb-90												
MW-2455	Apr-90												
MW-2455	Nov-90												
MW-2455	Feb-91												
MW-2455	May-91												
MW-2455	Aug-91												
MW-2455	Nov-91												
MW-2455	Feb-92												
MW-2455	May-92												
MW-2455	Aug-92												
MW-2455	Dec-92												
MW-2455	Feb-93												
MW-2455	Jun-93												
MW-2455	Sep-93												
MW-2455	Dec-93												
MW-2455	Feb-94												
MW-2455	May-94												
MW-2455	Aug-94												
MW-2455	Nov-94												
MW-2455	March-95												
MW-2455	June-95												
MW-2455	Sep-95												
MW-2455	Dec-95												
MW-2455	Apr-96												
MW-2455	June-96												
MW-2455	Sep-96												
MW-2455	Nov-96												
MW-2455	Mar-97												
MW-2455	June-97												
MW-2455	Sep-97												
MW-2455	Dec-97												
MW-2455	Mar-98												
MW-2455	June-98												
MW-2455	Sep-98												
MW-2455	Dec-98												
MW-2455	Apr-99												
MW-2455	June-99												
MW-2455	Sep-99												
MW-2455	Dec-99												
MW-2455	Apr-00												
MW-2455	June-00												
MW-2455	Sep-00												
MW-2455	Dec-00												
MW-2455	Mar-01												
MW-2455	June-01												
MW-2455	Sep-01												
MW-2455	Dec-01												
MW-2455	Mar-02												
MW-2455	June-02												
MW-2455	Sep-02												
MW-2455	Dec-02												
MW-2455	Apr-04												
MW-2455	June-05												
MW-2455	Sep-06												
MW-2455	Dec-07												
MW-2455	Apr-09												

TABLE 14 • HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Si (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mn (mg/l)	Mg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
MW-2305	Nov-89	1.32	<0.060	<0.010	<0.2	<0.005	<0.010	77.3	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	<0.005	<0.01	8.15	<0.010			0.032
MW-2306	Feb-90		<0.010				<0.010				3.5	0.0035	0.349									
MW-2306	Apr-90		<0.010				<0.010				3.5	0.0035	0.349									
MW-2306	Nov-90	61	<0.060	0.16	<0.01		<0.010	73.0	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	11	<0.005	<0.02	8.3	<0.010		0.41
MW-2306	Feb-91		<0.010				<0.010	77.3	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.86	<0.005	<0.02	7.04			
MW-2306	May-91		<0.010				<0.010	72.4	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.71	<0.005	<0.02	6.9			
MW-2306	Aug-91		<0.010				<0.010	62.2	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.34	<0.005	<0.02	6.72			
MW-2306	Nov-91		<0.010				<0.010	64.7	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.3	<0.005	<0.02	6.94			
MW-2306	Feb-92	8.97	<0.060	0.13	<0.010		<0.010	100	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.85	<0.005	<0.02	6.04	<0.010		0.653
MW-2306	May-92		<0.010				<0.010	100	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.76	<0.005	<0.02	6.49			
MW-2306	Aug-92		<0.010				<0.010	54.9	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.36	<0.005	<0.02	4.74			
MW-2306	Dec-92		<0.010				<0.010	35.1	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.18	<0.005	<0.02	7.14			
MW-2306	Feb-93		<0.010				<0.010	63.1	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	4.13	<0.005	<0.02	7.3			
MW-2306	May-93		<0.010				<0.010	61.4	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.79	<0.005	<0.02	6.91	<0.010		0.653
MW-2306	Aug-93		<0.010				<0.010	48.3	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.07	<0.005	<0.02	9.75			
MW-2306	Dec-93		<0.010				<0.010	61.5	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	3.07	<0.005	<0.02	7.94			
MW-2306	Feb-94		<0.010				<0.010	77.2	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	3.46	<0.005	<0.02	7.36			
MW-2306	May-94		<0.010				<0.010	62	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	0.49	<0.005	<0.02	9.65			
MW-2306	Aug-94	1.16	<0.060	<0.020	<0.10	<0.010	<0.010	33.7	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.3	<0.005	<0.02	6.45	<0.010		0.644
MW-2306	Nov-94		<0.010				<0.010	47	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	0.97	<0.005	<0.02	7.37			
MW-2306	March-95		<0.010				<0.010	66.2	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.48	<0.005	<0.02	6.5			
MW-2306	June-95		<0.010				<0.010	67.6	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	0.99	<0.005	<0.02	6.72			
MW-2306	Sept-95		<0.010				<0.010	61	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.14	<0.005	<0.02	7.4			
MW-2306	Nov-95	1.56	<0.060	<0.020	0.21	<0.010	<0.010	46.8	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.51	<0.005	<0.02	10.4	<0.010		<0.029
MW-2306	April-96	5.7	<0.1	<0.01	<0.2	<0.010	<0.010	78	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.8	<0.01	<0.01	7.6	<0.010		0.653
MW-2306	June-96		<0.010				<0.010	63	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.7	<0.005	<0.02	6.5			
MW-2306	Sept-96		<0.010				<0.010	70	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.7	<0.005	<0.02	7			
MW-2306	Nov-96		<0.010				<0.010	31	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	1.8	<0.005	<0.02	8.1			
MW-2306	Mar-97	1.9	<0.06	0.61	<0.2	<0.01	<0.010	43	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.6	<0.01	<0.01	6.2	<0.010		0.11
MW-2306	June-97		<0.010				<0.010	41	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2.3	<0.005	<0.02	6.4			
MW-2306	Sept-97		<0.010				<0.010	40	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	3.1	<0.005	<0.02	11			
MW-2306	Dec-97		<0.010				<0.010	46	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	3.9	<0.005	<0.02	12			
MW-2306	Mar-98		<0.010				<0.010	71	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	4.1	<0.005	<0.02	9.7			
MW-2306	June-98		<0.010				<0.010	32	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	3	<0.005	<0.02	9.1	<0.010		0.04
MW-2306	Sept-98		<0.010				<0.010	77	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	4.1	<0.005	<0.02	8.8			
MW-2306	Dec-98		<0.010				<0.010	71	<0.01	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	<1	<0.005	<0.02	7.2			
MW-2306	Dec-99	7.5	<0.01	<0.01	<2	<0.01	<0.010	4.6	0.012	<0.025	2.4	<0.020	0.15	<0.0002	<0.04	2	<0.005	<0.02	7.1	<0.010		0.656
MW-2306	Apr-00	4.65	<0.050	0.007	0.09	<0.002	<0.048	<0.0050	39	<0.010	<0.010	<0.017	0.006	11.5	<0.0002	<0.012	2.77	<0.002	<0.010	8.94	<0.001	0.642
MW-2306	Jan-01	8.99	<0.050	0.002	0.105	<0.002	<0.048	<0.005	69.5	<0.010	<0.010	0.027	0.014	12	<0.0002	<0.012	4.79	<0.002	<0.010	10.8	<0.001	0.01
MW-2306	Sept-02	0.427	<0.030	0.004	0.073	<0.002	<0.048	<0.005	69.4	<0.010	<0.010	<0.017	0.003	10.3	<0.0002	<0.012	0.797	<0.001	<0.010	7.04	<0.001	0.02
MW-2306	Apr-04	1.31	<0.050	0.005	0.028	<0.002	<0.048	<0.001	68.7	<0.004	<0.010	<0.017	0.002	11.2	<0.0002	<0.012	1.71	<0.001	<0.010	7.89	<0.001	0.037
MW-2306	Jan-05	0.183	<0.025	0.0057	0.0458	<0.0004	0.0136	<0.0008	50.7	0.0016	<0.0019	0.0036	0.0019	8.79	<0.0002	<0.0023	2.4	<0.0009	0.0027	10.9	<0.0009	0.0029
MW-2306	Sept-06	<0.290	<0.060	<0.003	0.21	<0.005	<0.000	<0.003	69	<0.010	<0.010	<0.023	0.13	<0.0002	<0.0040	<5	<0.010	<0.010	9.6	<0.010	<0.000	<0.029
MW-2306	Dec-07	27	<0.01	0.0004	0.3	<0.01	<0.5	<0.01	210	0.039	0.036	0.13	0.004	8.3	<0.0002	0.063	6.9	<0.001	<0.01	11	<0.01	0.028
MW-2306	Aug-09	3.5	<0.02	<0.02	0.1	<0.02	<0.1	<0.02	77	<0.01	<0.01	0.02	0.02	13	<0.001	<0.02	1.6	<0.02	0.01	9.3	<0.01	<0.02

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
MW-230D	Nov-90	0.998	<0.060	<0.010	<0.2	<0.003	<0.010	20.9	<0.010	<0.025	1.80	0.0042	0.107	<0.0002	<0.04	0.107	<0.005	<0.01	15.1	<0.010		0.302
MW-230D	Feb-90		<0.010									0.29	<0.005	0.16								
MW-230D	Apr-90		<0.010									0.188	<0.003	0.17								
MW-230D	Nov-90	0.97	<0.060	<0.020	0.06	<0.01	<0.01	28	<0.03	<0.02	1.5	<0.020	6.6	<0.021	<0.04	1.2	<0.005	<0.02	162	<0.010		0.08
MW-230D	Feb-91		<0.010					27.5				0.099	<0.020	6.01	0.118	0.913						
MW-230D	May-91		<0.010					27.5				0.234	<0.020	5.64	0.12	1.01						
MW-230D	Aug-91		<0.010					23.7				0.234	<0.020	5.64	0.12	1.01						
MW-230D	Nov-91		<0.010					23.6				0.234	<0.020	5.3	0.14	0.66						
MW-230D	Feb-92	0.7	<0.060	<0.020	<0.10	<0.010	<0.010	26.1	<0.020	<0.020	3.68	0.144	<0.021	<0.040	<0.040	1.1	<0.005	<0.020	17.7	<0.010		0.028
MW-230D	May-92							24.5				0.281	<0.020	5.40	0.111	0.62						
MW-230D	Aug-92		<0.010					22				0.21	<0.020	3.24	0.115	1.48						
MW-230D	Dec-92		<0.010					20.8				0.217	<0.020	4.9	0.084	0.83						
MW-230D	Feb-93		<0.010					18.6				0.23	<0.020	4.6	0.144	1.07						
MW-230D	May-93	0.46	<0.060	<0.020	<0.10	<0.010	<0.010	22.7	<0.020	<0.020	0.020	0.037	5.23	0.099	<0.010	<0.040	1.23	<0.005	<0.020	<0.010		<0.010
MW-230D	Dec-93		<0.010					19				0.057	0.029	6.68	0.142	<0.040						
MW-230D	Feb-94		<0.010					24				0.057	0.029	6.4	0.153	1.07						
MW-230D	May-94		<0.010					23				0.057	0.029	6	0.106	0.92						
MW-230D	Aug-94		<0.010					21.2				0.057	0.029	5.93	0.12	0.79						
MW-230D	Aug-94	0.34	<0.060	<0.020	<0.10	<0.010	<0.010	25	<0.020	<0.020	0.020	0.037	5.6	0.14	0.94	<0.005	<0.020	17.5	<0.005			0.035
MW-230D	Nov-94		<0.010					19.1				0.23	<0.020	5.48	0.12	0.76						
MW-230D	Nov-94		<0.010					22.8				0.057	0.029	5.8	0.099	0.92						
MW-230D	Mar-95		<0.010					24.8				0.16	<0.020	5.76	0.13	1.21						
MW-230D	June-95		<0.010					22.7				0.16	<0.020	5.7	0.13	1.09						
MW-230D	Nov-95	0.3	<0.060	<0.020	0.23	<0.010	<0.010	18.1	<0.020	0.025	0.025	0.037	5.38	0.12	<0.021	<0.040	1.04	<0.005	<0.020	<0.005		0.062
MW-230D	Apr-96	0.44	<0.1	<0.01	<0.2	<0.003	<0.003	27	<0.01	<0.02	0.14	<0.01	6.1	0.13	<0.002	<0.01	1.2	<0.1	<0.01	<0.01	<0.01	0.085
MW-230D	June-96		<0.010					35				0.24	<0.01	6	0.14	1.1						
MW-230D	Sept-96		<0.010					26				0.24	<0.01	6	0.13	0.88						
MW-230D	Nov-96		<0.010					23				0.24	<0.01	6.6	0.16	1.1						
MW-230D	Mar-97	2.4	<0.06	<0.01	<0.2	<0.01	<0.01	23	<0.01	<0.02	0.14	0.013	6.8	0.21	<0.0004	<0.01	1.6	<0.05	<0.01	15	<0.03	0.098
MW-230D	June-97		<0.010					24				0.24	<0.01	5.8	0.15	<1						
MW-230D	Sept-97		<0.010					23				0.24	<0.01	5.6	0.16	<1						
MW-230D	Dec-97		<0.010					23				0.24	<0.01	5.9	0.2	1						
MW-230D	Mar-98	3.1	<0.06	<0.01	<0.2	<0.01	<0.01	29	<0.01	<0.02	0.02	0.02	8.6	0.29	<0.0002	<0.01	1.9	<0.005	<0.01	<0.01	<0.01	0.076
MW-230D	June-98		<0.010					30				0.24	<0.01	8.6	0.29	<0.0002	<0.01	1.9	<0.005	<0.01	<0.01	0.076
MW-230D	Sept-98		<0.010					27				0.24	<0.01	5.7	0.17	<1						
MW-230D	Dec-98		<0.010					29				0.24	<0.01	6.8	0.19	<1						
MW-230D	Apr-99	0.78	<0.1	<0.1	<0.2	<0.01	<0.01	29	<0.01	<0.01	0.013	0.013	6.8	0.19	<1	<0.0002	<0.01	<1	<0.0002	<0.01	<0.01	0.044
MW-230D	Aug-99	0.099	<0.060	0.004	0.028	<0.002	0.002	26.1	<0.010	<0.010	<0.017	0.017	0.006	6	0.106	<0.0002	<0.012	0.863	<0.002	<0.010	<0.010	0.028
MW-230D	Nov-99	0.094	<0.060	0.003	0.05	<0.002	0.002	25.6	<0.010	<0.010	<0.017	0.017	0.006	5.89	0.097	0.0002	<0.012	1.16	<0.002	<0.010	<0.010	<0.020
MW-230D	Feb-00	<0.075	<0.060	0.003	0.053	<0.002	0.002	25.4	<0.010	<0.010	<0.017	0.017	0.006	5.7	0.09	<0.0002	<0.012	0.863	<0.002	<0.010	<0.010	<0.020
MW-230D	Apr-00	<0.1	<0.060	0.002	0.051	<0.002	0.002	24.1	<0.002	<0.010	<0.017	0.017	0.006	5.4	0.161	<0.0002	<0.012	0.961	<0.002	<0.010	<0.010	0.021
MW-230D	June-00	0.118	<0.075	<0.001	0.0506	<0.0004	0.0004	24.5	<0.0009	<0.010	0.017	0.017	0.006	5.3	0.105	<0.0002	<0.012	1.21	<0.0009	0.0034	<0.0009	0.115
MW-230D	Sept-00	0.44	<0.060	0.0061	<0.200	<0.005	0.005	110	<0.010	<0.020	<0.023	0.023	0.006	5.4	0.105	<0.0002	<0.012	1.21	<0.0009	0.0034	<0.0009	0.115
MW-230D	Dec-00	0.35	<0.01	0.015	<0.2	<0.01	<0.01	24	<0.01	<0.01	<0.01	0.01	0.01	0.01	0.01	0.01	<0.0002	<0.01	1.3	<0.0002	<0.01	0.13
MW-230D	Apr-01	0.43	<0.07	<0.02	0.06	<0.01	<0.01	27	<0.01	<0.01	<0.02	0.02	0.02	0.02	0.02	0.02	<0.0002	<0.01	1.3	<0.0002	<0.01	<0.02

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Hg (mg/l)	Mn (mg/l)	Ni (mg/l)	K (mg/l)	Sc (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
MW-2325	Nov-89	9.2	<0.06	<0.010	<0.2	<0.005		0.026		0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
MW-2325	Feb-90		<0.010			<0.010	5.1	<0.003	0.253													
MW-2325	Apr-90		<0.010			<0.010	0.009	<0.003	0.189													
MW-2325	Nov-90	9.5	<0.060	<0.020	0.12	<0.01	67	<0.023	0.02		15	<0.020	14	15	<0.001	<0.04	4.2	<0.005	<0.02	2.3	<0.010	0.06
MW-2325	Feb-91					<0.010	79.1				6.0	<0.020	14.2	14.2		2.34			2.03			
MW-2325	May-91					<0.010	64.1				6.45	<0.020	13.5	13.5		2.44			2.29			
MW-2325	Aug-91					<0.010	84.2				6.89	<0.020	15.4	15.4		2.66			2.97			
MW-2325	Nov-91					<0.010	87.6				6.46	<0.020	22.4	18.5		7.29			3.05			
MW-2325	Feb-92	19.4	<0.060	<0.020	0.15	<0.010	96.1	<0.020	0.029		28.3	<0.020	21.3	12.5	<0.001	<0.040	5.2	<0.005	<0.020	2.71	<0.010	0.066
MW-2325	May-92	1.13	<0.060	<0.020	<0.10	<0.010	90.1	<0.020	<0.020		1.59	<0.020	14.9	9.35	<0.001	<0.040	1.07	<0.005	<0.020	1.93	<0.010	
MW-2325	Aug-92					<0.010	78.7				3.02	<0.020	13.5	13.5		2.74			2.35			
MW-2325	Dec-92					<0.010	99.5				4.67	<0.020	19	18.22		3.34			2.89			
MW-2325	Feb-93					<0.010	76.7				23.5	<0.020	18.2	9.94		3.62			2.5			
MW-2325	May-93	3.24	<0.060	<0.020	<0.10	<0.010	116	<0.020			0.007	21.3	0.007	0.007	<0.001	2.5			3.59	<0.010	0.022	
MW-2325	Aug-93					<0.010	167				0.007	21.3	0.007	0.007	<0.001	2.5			3.59	<0.010	0.022	
MW-2325	Dec-93					<0.010	150				5.1	<0.020	31.5	1.39		3.74			3.74			
MW-2325	Feb-94					<0.010	123				3.86	<0.020	34	0.948		3.77			3.56			
MW-2325	May-94					<0.010	118				3.86	<0.020	34	0.948		3.77			3.56			
MW-2325	Aug-94	<0.20	<0.060	<0.020	<0.10	<0.010	146	<0.020			0.16	<0.020	31.2	1.32	<0.001	0.073	2.42	<0.005	<0.020	3.19	<0.005	0.035
MW-2325	Nov-94					<0.010	178				0.15	<0.020	31.2	1.32		2.3			3.29			
MW-2325	March-95					<0.010	127				0.007	21.3	0.007	0.007	<0.001	2.3			3.29			
MW-2325	June-95					<0.010	132				0.007	21.3	0.007	0.007	<0.001	2.3			3.29			
MW-2325	Sept-95	3.13	<0.060	<0.020	0.12	<0.010	183	<0.020	0.036		2.35	<0.020	26.6	0.72	<0.001	<0.040	2.96	<0.005	<0.020	7.82	<0.005	0.14
MW-2325	Nov-95	2.3	<0.1	<0.01	<0.2	<0.003	230	<0.01	<0.01		3.4	<0.01	25	3.4	<0.0002	<0.01	3.8	<0.01	<0.01	4.8	<0.01	0.045
MW-2325	April-96					<0.01	190				7.6	<0.01	26	3.7		3.2			3.5			
MW-2325	June-96					<0.01	170				6.8	<0.01	27	3.4		3.2			3.2			
MW-2325	Sept-96					<0.01	130				3.4	<0.01	19	3.4		2.8			2.4			
MW-2325	Mar-97	7.2	<0.06	<0.01	<0.2	<0.01	170	0.013	0.022		18	0.023	23	1.5	<0.0004	0.014	4	<0.05	<0.01	2	<0.03	0.094
MW-2325	June-97					<0.01	170				18	0.023	23	1.5		6.4			1.8			
MW-2325	Sept-97					<0.01	160				3.1	0.024	34	3		6.4			3.1			
MW-2325	Dec-97					<0.01	180				3.1	0.024	34	3		6.4			3.1			
MW-2325	Mar-98					<0.01	150				3.1	0.024	34	3		6.4			3.1			
MW-2325	June-98	23	<0.06		0.21	<0.01	200	0.041	0.023	0.074	13	0.01	33	1.3	<0.0002	0.048	8.3	<0.05	<0.01	3.4	<0.03	0.032
MW-2325	Sept-98					<0.01	190				13	0.01	33	1.3		4.4			3.3			
MW-2325	Dec-98					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	Mar-99					<0.01	190				13	0.01	33	1.3		4.4			3.3			
MW-2325	June-99					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	Sept-99					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	Dec-99					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	Mar-00					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	June-00					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	Sept-00					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	Dec-00					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	Mar-01					<0.01	170				13	0.01	33	1.3		4.4			3.3			
MW-2325	June-01	0.144	<0.060		0.063	<0.002	<0.048				1.49	<0.001	25.6	0.948		1.72			2.66			
MW-2325	Sept-01					<0.003	145	<0.010	<0.017		3.75	0.006	23.3	1.4	0.0003	<0.12	2.03	<0.002	<0.010	2.76	<0.001	<0.010
MW-2325	Dec-01					<0.003	147				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Mar-02					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	June-02					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Sept-02					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Dec-02					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Mar-03					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	June-03					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Sept-03					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Dec-03					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Mar-04					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	June-04					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Sept-04					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Dec-04					<0.003	146				3.75	0.006	23.3	1.4		1.85			2.92			
MW-2325	Mar-05	0.181	<0.0025	0.0045	0.0247	<0.0004	0.0115	0.0068	<0.0019	0.0066	1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	June-05	3.1	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	<0.01	0.015	1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	Sept-05					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	Dec-05					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	Mar-06					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	June-06					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	Sept-06					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	Dec-06					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	Mar-07					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	June-07					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	<0.002
MW-2325	Sept-07					<0.01	100				1.49	<0.001	25.6	0.948	<0.00016	0.0025	3.66	<0.0076	0.0013	2.97	<0.0039	

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

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TABLE 14. HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Nb (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Chloride Data																								
Barium Data																								
Barium Data																								
MW-2335	Nov-90	12	<0.000	<0.020	0.12	<0.01		<0.01	140	<0.03	0.05	30	0.022	40	1.4	<0.001	<0.04	4.7	<0.003	<0.02	5	<0.010		0.07
MW-2335	Feb-91								119			3.2	<0.020	44.7	0.366			2.33						
MW-2335	May-91								116			3.14	<0.020	43.3	0.303			2.3						
MW-2335	Aug-91								127			4.58	<0.020	76.9	1.02			3.64						
MW-2335	Nov-91								106			3.46	<0.020	33.4	0.307			2.62						
MW-2335	Feb-92	4.7	<0.000	<0.020	0.13	<0.010			109	<0.020	<0.020	7.45	<0.020	44.2	0.396	<0.001	<0.040	2.37	<0.025	<0.020	4.74	<0.010		0.027
MW-2335	May-92								114			0.373	<0.020	40.3	0.765			1.47						
MW-2335	Aug-92								118			0.197	<0.020	40	0.294			2.68						
MW-2335	Dec-92								131			2.37	<0.020	44	0.794			2.9						
MW-2335	Feb-93								153			1.17	<0.020	70.6	1.91			4.34						
MW-2335	May-93								161	<0.020	<0.020	3.05	<0.025	45.9	2.49	<0.001	<0.040	1.84	<0.025	<0.020	2.21	<0.010		<0.020
MW-2335	Aug-93								213			5	<0.005	60.3	1.47			2.29						
MW-2335	Dec-93								217			3.39	<0.025	97	1.5			3.34						
MW-2335	Feb-94								142			10.3	<0.005	75	1.97			5.22						
MW-2335	May-94								112			6.9	<0.005	63.4	2.16			1.6						
MW-2335	Aug-94	0.41	<0.000	<0.020	<0.10	<0.010			112	<0.020	0.03	0.373	<0.005	37.4	1.25	<0.001	0.082	2.63	<0.025	<0.020	2.07	<0.005		0.078
MW-2335	Nov-94								76			0.19	<0.005	39.3	0.40			1.86						
MW-2335	March-95								230			3.22	<0.005	64	2.68			2.71						
MW-2335	June-95								170			0.45	<0.005	80.9	3.48			2.07						
MW-2335	Sept-95								160			3.43	<0.005	75.5	2.1			2.37						
MW-2335	Nov-95								138	<0.020	0.025	16.37	<0.005	34.8	1.31	<0.001	<0.040	2.82	<0.005	<0.020	1.63	<0.005		0.031
MW-2335	April-96	0.26	<0.000	<0.020	0.11	<0.010			86	<0.01	<0.02	1.8	<0.01	12	0.84	<0.001	<0.01	1.3	<0.1	<0.01	2.2	<0.03		0.023
MW-2335	June-96	0.21	<0.01	<0.01	<0.2	<0.003			84	<0.01	<0.01	1.5	<0.01	13	0.89	<0.001	<0.01	1.4						
MW-2335	Sept-96								180			3.4	<0.01	20	2.3			2.5						
MW-2335	Nov-96								140			2.97	0.016	19	1.6			2.1						
MW-2335	March-97	0.42	<0.08	0.011	<0.2	<0.01			170	<0.01	<0.01	1.87	<0.01	24	1.3	<0.0004	<0.01	2.8	<0.05	<0.01	2.2	<0.03		0.039
MW-2335	June-97								170			3	<0.01	16	1.2			2.4						
MW-2335	Sept-97								170			3	<0.01	16	1.2			3						
MW-2335	Dec-97								180			3.3	<0.01	18	1.4			3.3						
MW-2335	Mar-98								200			2.2	<0.01	34	2.5			3.3						
MW-2335	June-98	0.48	<0.08	<0.01	<0.2	<0.01	<1		260	<0.01	0.021	3.4	<0.01	33	18.3	<0.0002	<0.01	2.1	<0.25	<0.01	2.8	<0.03		0.044
MW-2335	Sept-98								210			3.4	<0.01	46	3.4			4.4						
MW-2335	Dec-98								210			12	<0.01	60	3.2			<1						
MW-2335	Apr-99								219			2.23	0.004	60.3	2.29			2.44						
MW-2335	Sept-99								242			3.34	0.006	60.9	3.3			2.59						
MW-2335	Dec-99								135			0.124	<0.001	35.4	0.344			1.76						
MW-2335	Mar-01								142			0.087	0.001	30.5	0.697			2.18						
MW-2335	Aug-01	8.90	<0.000	<0.002	0.06	<0.002	<0.048		168	<0.010	<0.017	0.035	0.009	61.2	1.1	<0.0002	0.016	2.67	<0.02	<0.010	2.92	<0.001		0.086
MW-2335	Sept-01								187			0.145	0.007	87.4	1.76			2.9						
MW-2335	Dec-01								194			0.046	0.002	64.5	1.36			2.63						
MW-2335	Mar-02								203			0.046	<0.001	100	1.2			2.62						
MW-2335	Sept-02	0.197	<0.000	0.002	0.071	<0.002	<0.048		186	<0.010	<0.010	4.83	<0.001	38.3	1.24	<0.0002	<0.012	2.31	<0.001	<0.010	2.87	<0.001		0.086
MW-2335	Dec-02								194			0.07	<0.001	31.7	0.338			2.76						
MW-2335	Apr-04	<0.1	<0.000	<0.001	0.036	<0.002	<0.048	<0.001	132	<0.002	<0.010	0.07	<0.001	31.7	0.338	<0.0002	<0.012	2.08	<0.001	<0.010	2.99	<0.001		<0.020
MW-2335	Aug-05	0.294	<0.0025	<0.0031	0.0664	<0.0004	0.0131	<0.00080	104	0.021	<0.0019	0.00127	0.0007	22.8	2.01	<0.00018	0.0024	1.9	0.009	0.0031	3.35	<0.0029		0.092
MW-2335	Sept-06	<0.300	<0.000	<0.003	<0.300	<0.003	<0.000	<0.003	140	<0.010	<0.050	<0.005	<0.001	40	0.35	<0.0002	<0.040	<5	<0.010	<0.010	<5	<0.010		<0.020
MW-2335	Dec-07	<0.01	<0.01	0.011	<0.2	<0.01	<0.3	<0.01	150	<0.01	<0.01	0.18	<0.01	46	0.18	<0.0002	<0.01	3.1	<0.01	<0.01	1.7	<0.01		0.016
MW-2335	Aug-09	0.3	<0.07	<0.02	0.07	<0.02	<0.1	<0.02	108	<0.02	0.02	0.33	<0.02	25	0.35	<0.001	<0.02	1.6	<0.02	<0.01	1.6	<0.02		<0.02

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Sr	Ag	Na	Tl	V	Zn
Chem. Data Only	Sample Date	0.001	0.001	0.001	0.001	1	0.0005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Units: mg/L	Units: mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
MW-2345	Nov-89	27.4	<0.06	0.0131	0.275	<0.005	<0.01	112	0.042	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.175	
MW-2345	Feb-90			<0.01			<0.01																	
MW-2345	Apr-90			<0.01			<0.01																	
MW-2345	Nov-90	3.1	<0.060	<0.020	0.12	<0.01	<0.01	81	<0.03		<0.02	<0.02	<0.02	15	<0.020	15	<0.001	<0.04	<0.005	<0.02	4	<0.010	0.08	
MW-2345	Feb-91						<0.010	82.5																
MW-2345	May-91						<0.010	81.1																
MW-2345	Aug-91						<0.010	80.9																
MW-2345	Nov-91						<0.010	74																
MW-2345	Feb-92	0.79	<0.060	<0.020	<0.10	<0.010	<0.010	97.5	<0.020		<0.020	<0.020	<0.020	10.4	<0.020	10.4	<0.001	<0.040	<0.005	0.047	3.82	<0.010	<0.020	
MW-2345	May-92						<0.010	78.2																
MW-2345	Aug-92						<0.010	68.3																
MW-2345	Dec-92						<0.010	69.2																
MW-2345	Feb-93						<0.010	34.4																
MW-2345	May-93	5.4	<0.060	<0.020	<0.10	<0.010	<0.010	68.2	<0.020		<0.020	<0.020	<0.020	11.6	<0.020	11.6	<0.001	<0.040	<0.005	<0.020	4.36	<0.010	0.048	
MW-2345	Aug-93						<0.010	69.9																
MW-2345	Dec-93						<0.010	76.6																
MW-2345	Feb-94						<0.010	29.7																
MW-2345	May-94						<0.010	91.1																
MW-2345	Aug-94	0.36	<0.060	<0.020	<0.10	<0.010	<0.010	104	<0.020		<0.020	<0.020	<0.020	14.4	<0.020	14.4	<0.001	0.035	<0.005	<0.020	3.18	<0.005	<0.020	
MW-2345	Nov-94						<0.010	62																
MW-2345	March-95						<0.010	91																
MW-2345	June-95						<0.010	80.5																
MW-2345	Sept-95						<0.010	80.9																
MW-2345	Nov-95	1.02	<0.060	<0.020	0.16	<0.010	<0.010	71.4	<0.020		0.027	<0.020	<0.020	16.2	<0.020	16.2	<0.001	<0.040	<0.005	<0.020	3.85	<0.005	0.078	
MW-2345	April-96	1.9	<0.1	<0.01	<0.2	<0.005	<0.005	95	<0.01		<0.02	<0.02	<0.02	14	<0.02	14	<0.0002	<0.01	<0.005	<0.01	5	<0.005	0.082	
MW-2345	June-96						<0.01	120																
MW-2345	Sept-96						<0.01	130																
MW-2345	Nov-96						<0.01	120																
MW-2345	Mar-97	9.4	<0.06	<0.01	<0.2	<0.01	<0.01	140	0.015		0.012	<0.012	<0.012	23	<0.012	23	<0.0004	0.016	<0.005	<0.01	3.4	<0.005	0.066	
MW-2345	June-97						<0.01	140																
MW-2345	Sept-97						<0.01	120																
MW-2345	Dec-97						<0.01	130																
MW-2345	Mar-98						<0.01	160																
MW-2345	June-98	6	<0.06	0.016	0.26	<0.01	<0.01	140	0.01		<0.01	<0.01	<0.01	29	<0.01	29	0.00027	0.016	<0.005	<0.01	4.7	<0.005	0.11	
MW-2345	Sept-98						<0.01	130																
MW-2345	Dec-98						<0.01	130																
MW-2345	Apr-99						<0.01	140																
MW-2345	June-99						<0.01	160																
MW-2345	Sept-99						<0.01	120																
MW-2345	Dec-99	13	<0.01	<0.01	0.71	<0.01	<0.01	130	0.02		0.013	0.047	<0.013	30	<0.013	30	<0.0002	0.037	<0.005	<0.01	4.1	<0.01	0.087	
MW-2345	Apr-00	0.535	<0.030	0.025	0.048	<0.002	<0.002	109	<0.010		<0.010	<0.010	<0.010	19.3	<0.010	19.3	<0.0002	<0.012	<0.005	<0.010	3.47	<0.001	<0.010	
MW-2345	June-00						<0.0050	117																
MW-2345	Sept-00						<0.005	105																
MW-2345	Dec-00						<0.005	114																
MW-2345	Mar-01	0.143	<0.030	0.036	0.063	<0.002	<0.002	105	<0.010		<0.010	<0.010	<0.010	19	<0.010	19	<0.0002	<0.012	<0.005	<0.010	3.36	<0.001	<0.010	
MW-2345	June-01						<0.005	99																
MW-2345	Sept-01						<0.005	98.3																
MW-2345	Dec-01						<0.005	102																
MW-2345	Mar-02						<0.005	99																
MW-2345	June-02						<0.005	99																
MW-2345	Sept-02	<0.075	<0.030	0.036	0.063	<0.002	<0.002	98.1	<0.010		<0.010	<0.010	<0.010	17.3	<0.010	17.3	<0.0002	<0.012	<0.005	<0.010	3.36	<0.001	<0.010	
MW-2345	Dec-02						<0.001	108																
MW-2345	Apr-03	<0.1	<0.030	0.027	0.06	<0.002	<0.002	106	<0.002		0.02	<0.02	<0.02	18.3	<0.02	18.3	<0.00016	<0.0033	<0.0004	<0.005	4.75	<0.00029	<0.002	
MW-2345	June-03	0.36	<0.035	0.0125	0.083	<0.00040	0.0134	<0.0004	104		0.0024	<0.0024	<0.0024	18.9	<0.0024	18.9	<0.00016	<0.0033	<0.0004	<0.005	4.75	<0.00029	<0.002	
MW-2345	Sept-03	<0.200	<0.060	0.0361	<0.200	<0.005	<0.005	110	<0.010		<0.010	<0.010	<0.010	20	<0.010	20	<0.0002	<0.012	<0.005	<0.010	<0.010	<0.002	<0.002	
MW-2345	Dec-03	0.8	<0.01	0.021	<0.2	<0.01	<0.01	110	<0.01		<0.01	<0.01	<0.01	20	<0.01	20	<0.0002	<0.012	<0.005	<0.010	3.5	<0.01	<0.01	
MW-2345	Aug-04																							

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample	Al	Si	As	Ba	Be	B	Ca	Co	Cr	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Nu	Tl	V	Zn
Class. Use Cont. Conc. & Units	Ther. Conc. & Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
MW-234D	Nov-89	0.483	<0.06	<0.01	<0.1	<0.005	<0.01	30	<0.04	<0.03	<0.03	0.796	<0.003	0.0432	<0.0002	<0.04	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	0.099
MW-234D	Feb-90			<0.01			<0.01					1.1	<0.003										
MW-234D	Apr-90			<0.01			<0.01					0.777	<0.003	0.129									
MW-234D	Nov-90	<0.2	<0.060	<0.020	0.66	<0.01	<0.01	87	<0.03		<0.02	0.36	<0.020	16	<0.001	<0.04	4.3	<0.005	<0.02	19	<0.010		0.54
MW-234D	Feb-91						<0.010	89.9				0.270	<0.020	15.9	0.066		2.31			19.1			
MW-234D	May-91						<0.010	92.4				0.241	<0.020	16.4	0.307		2.49			19.4			
MW-234D	Aug-91						<0.010	87.3				0.296	<0.020	15.1	0.234		3.17			14.5			
MW-234D	Nov-91						<0.010	84.9				0.189	<0.020	12.7	0.168		2.17			14			
MW-234D	Feb-92	0.49	<0.060	<0.020	<0.10	<0.010	<0.010	87.5	<0.020		<0.020	0.260	<0.020	15.9	0.117	<0.001	1.95	<0.005	0.043	11.7	<0.010		0.072
MW-234D	May-92						<0.010	98.6				0.269	<0.020	20.6	0.49		1.86			18.9			
MW-234D	Aug-92						<0.010	73.8				0.3	<0.020	13.5	0.281		1.88			11			
MW-234D	Dec-92						<0.010	101				0.26	<0.020	25	0.25		2.54			18.3			
MW-234D	Feb-93						<0.010	69				0.26	<0.020	12.9	0.175	<0.001	2.06			17.4			
MW-234D	May-93	0.12	<0.060	<0.020	<0.10	<0.010	<0.010	84	<0.020		<0.020	0.241	<0.005	14.9	0.246	<0.001	1.85	<0.005	<0.020	17.5	<0.010		0.023
MW-234D	Aug-93						<0.010	87				0.174	<0.005	20.5	0.251		1.61			18.1			
MW-234D	Dec-93						<0.010	92				0.205	<0.005	19	0.146		3.31			18.5			
MW-234D	Feb-94						<0.010	81.6				0.19	<0.005	18	0.216		3.99			18.5			
MW-234D	May-94						<0.010	91.6				0.205	<0.005	17.4	0.216		3.41			18.8			
MW-234D	Aug-94	<0.20	<0.060	<0.020	<0.10	<0.010	<0.010	98.5	<0.020		0.029	0.25	<0.005	18.4	0.26	<0.001	2.7	<0.005	<0.020	15.8	<0.010		0.028
MW-234D	Nov-94						<0.010	84.5				0.26	<0.005	21.8	0.23		1.35			13.5			
MW-234D	March-95						<0.010	85.5				0.27	<0.005	16	0.29		2.35			13.5			
MW-234D	June-95						<0.010	91.5				0.14	<0.005	19	0.25		2.28			16.7			
MW-234D	Sept-95						<0.010	97.8				0.25	<0.005	19.1	0.23		2.09			18.3			
MW-234D	Nov-95	<0.20	<0.060	<0.020	0.27	<0.010	<0.010	63.5	<0.020		0.027	0.3	<0.005	15.8	0.18	<0.001	1.96	<0.005	<0.020	18.4	<0.005		0.041
MW-234D	Apr-96	0.2	<0.1	<0.01	<0.2	<0.005	<0.005	66	<0.01		<0.02	0.45	<0.01	11	0.15	<0.0002	2.1	<0.1	<0.01	20	<0.01		0.044
MW-234D	June-96						<0.01	99				0.49	<0.01	17	0.49		1.9			16			
MW-234D	Sept-96						<0.01	92				0.42	<0.01	17	0.48		1.9			13			
MW-234D	Nov-96						<0.01	83				0.46	<0.01	14	0.46		2.6			13			
MW-234D	Mar-97	0.41	<0.06	<0.01	<0.2	<0.01	<0.01	62	<0.01		<0.02	0.5	0.012	11	0.26	<0.0004	8.6	<0.05	<0.01	12	<0.01		0.12
MW-234D	June-97						<0.01	64				0.41	<0.01	13	0.39		8.3			14			
MW-234D	Sept-97						<0.01	64				0.41	<0.01	14	0.23		10			30			
MW-234D	Dec-97						<0.01	53				0.49	0.023	10	0.2		12			18			
MW-234D	Mar-98						<0.01	70				0.41	<0.01	15	0.26	<0.0002	2.4	<0.05	<0.01	15	<0.01		0.17
MW-234D	June-98	0.36	<0.06	<0.01	<0.2	<0.01	<0.01	86	<0.01	<0.02	<0.02	0.41	<0.01	20	0.46		2.4			15	<0.01		
MW-234D	Sept-98						<0.01	130				0.41	<0.01	32	0.46		3.3			21			
MW-234D	Dec-98						<0.01	140				0.41	<0.01	31	0.46		<1			21			
MW-234D	Apr-99						<0.01	86				0.41	<0.01	21	0.46		6.6			20			
MW-234D	June-99						<0.01	99				0.41	<0.01	20	0.46		9.6			20			
MW-234D	Sept-99						<0.01	130				0.41	<0.01	29	0.46		2.7			20			
MW-234D	Dec-99	0.73	<0.01	<0.01	<1	<0.01	<0.01	120	<0.01	<0.01	<0.01	0.41	<0.01	26	0.46	<0.0002	2.9	<0.01	<0.01	20	<0.01	<0.01	0.012
MW-234D	Apr-00	0.157	<0.050	0.004	0.077	<0.002	0.053	<0.0050	70.4	<0.010	<0.010	0.41	<0.01	12.6	0.019	<0.0002	8.97	<0.002	<0.010	19.1	<0.01	<0.010	0.02
MW-234D	June-00						<0.0050	103				0.41	<0.01	19.7	0.46		1.32			15.7			
MW-234D	Sept-00						<0.005	102				0.41	<0.01	19.3	0.46		1.16			15.8			
MW-234D	Dec-00						<0.005	96.5				0.41	<0.01	16.8	0.46		11.2			13.3			
MW-234D	Mar-01						<0.005	88.4				0.41	<0.01	13.4	0.46		1.17			9.63			
MW-234D	June-01						<0.005	102				0.41	<0.01	19.3	0.46		1.63			16.6	<0.01	<0.010	<0.020
MW-234D	Sept-01						<0.005	105				0.41	<0.01	21.2	0.46		1.77			20.4			
MW-234D	Dec-01						<0.005	107				0.41	<0.01	21.8	0.46		2.26			19.7			
MW-234D	Mar-02						<0.005	108				0.41	<0.01	20.2	0.46		1.49			19.7			
MW-234D	June-02						<0.005	98				0.41	<0.01	18.5	0.46		1.9			19.9			
MW-234D	Sept-02	<0.075	<0.060	0.01	0.099	<0.002	0.063	<0.005	95.3	<0.010	<0.010	0.41	<0.01	17.9	0.46	<0.0002	1.4	<0.001	<0.010	19.3	<0.001	<0.010	<0.020
MW-234D	Dec-02						<0.001	98.6				0.41	<0.01	19.6	0.46		1.69			19.1			
MW-234D	Apr-04	<0.1	<0.050	0.009	0.072	<0.002	0.053	<0.001	107	<0.002	<0.010	0.41	<0.01	20.3	0.46	<0.0002	2.39	<0.001	<0.010	19.2	<0.001	<0.010	<0.020
MW-234D	June-05	0.0697	<0.0025	<0.0033	0.0789	<0.0004	0.024	<0.0006	62.6	0.0016	<0.0019	0.41	<0.01	11.6	0.26	<0.00016	11.8	<0.0096	0.0077	16.9	<0.0039	<0.002	0.119
MW-234D	Sept-06	<0.200	<0.060	0.007	<0.200	<0.005	<0.006	<0.005	110	<0.010	<0.010	0.41	<0.01	11.6	0.26	<0.00016	4.3	<0.010	<0.010	20	<0.010	<0.010	<0.020
MW-234D	Dec-07	0.46	<0.01	0.004	<0.2	<0.01	<0.1	<0.01	100	<0.01	<0.01	0.41	<0.01	21	0.46	<0.0002	2.9	<0.002	<0.01	20	<0.01	<0.01	0.017
MW-234D	Apr-09	0.21	<0.02	<0.002	0.077	<0.002	<0.1	<0.02	80	<0.02	<0.02	0.41	<0.02	16	0.46	<0.001	3.2	<0.002	<0.01	19	<0.002	<0.02	<0.02

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	B (mg/L)	Cd (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Pb (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Sr (mg/L)	Ag (mg/L)	Na (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
MW-2355	Nov-89	15.7	<0.06	0.074	0.213	<0.005	<0.010	136	0.0231	0.0495	99.4	0.0148	0.0148	3.03	0.0004	<0.04	<0.005	<0.005	<0.01	14	<0.01		0.113
MW-2355	Feb-90						<0.010				23.8	<0.003		1.1									
MW-2355	Apr-90						<0.010				23.8	0.0036		0.046									
MW-2355	Nov-90	0.93	<0.060	0.090	0.15	<0.01	<0.010	100	<0.03	<0.02	47	<0.020	23	0.36	<0.001	<0.04	1.2	<0.005	<0.02	12	<0.010		0.07
MW-2355	Feb-91						<0.010	105			84	<0.020	23.9	1.1			2.69			12.1			
MW-2355	May-91						<0.010	92.6			4.3	<0.020	21.9	0.978			1.27			11			1.27
MW-2355	Aug-91						<0.010	100			14.5	<0.020	23.8	2.02			1.39			11.3			
MW-2355	Nov-91						<0.010	96.9			8.4	<0.020	19.8	0.005			1.3			11.5			
MW-2355	Feb-92	2.36	<0.060	0.090	0.17	<0.010	<0.010	122	<0.020	<0.020	3.46	<0.020	20.7	3.12			0.91			12.3	<0.010		<0.020
MW-2355	May-92						<0.010	86.3			4.3	<0.020	20.6	0.005			1.79			8.73			
MW-2355	Aug-92						<0.010	91			7.04	<0.020	21.1	0.964			2.34			11.7			
MW-2355	Feb-93						<0.010	77.4			8.17	<0.020	19.5	1.04			2.38			11.8			
MW-2355	May-93						<0.010	91.3	<0.020	<0.020	3.46	<0.020	20.7	3.12			1.82			11.3	<0.010		<0.020
MW-2355	Aug-93						<0.010	100			7.04	<0.020	21.1	0.964			1.13			14.9			
MW-2355	Dec-93						<0.010	104			30.4	0.005	20.1	1.22			2.54			12.4			
MW-2355	Feb-94						<0.010	93.3			4.3	<0.020	25	1.08			1.36			10.3			
MW-2355	May-94						<0.010	111			4.3	<0.020	25.2	0.94			0.84			10.3			
MW-2355	Aug-94	0.38	<0.060	<0.020	<0.010	<0.010	<0.010	118	<0.020	<0.020	3.46	<0.020	20.7	3.12			1.82			11.3	<0.010		<0.020
MW-2355	Nov-94						<0.010	84.3			4.3	<0.020	20.6	0.005			3.36			11.3			
MW-2355	Mar-95						<0.010	102			4.3	<0.020	20.6	0.005			1.12			10			
MW-2355	Sept-95						<0.010	110			4.3	<0.020	20.6	0.005			1.45			5.1			
MW-2355	Nov-95	1.31	<0.060	0.090	0.42	<0.010	<0.010	91	<0.020	0.03	64.0	<0.005	28.4	0.39	<0.001	<0.040	7.26	<0.005	<0.020	10.3	<0.005		0.077
MW-2355	Apr-96	3.8	<0.1	0.021	<0.2	<0.003	<0.002	190	<0.01	<0.02	14	0.012	22	3.2	<0.0002	<0.01	3.3	<0.1	<0.01	13	<0.05		0.076
MW-2355	June-96						<0.01	48			0.4	<0.01	11	0.03			2.5			20			
MW-2355	Sept-96						<0.01	190			34	0.01	27	1.4			3.5			10			
MW-2355	Nov-96						<0.01	110			3.5	<0.01	22	1.2			1.5			10			
MW-2355	Mar-97						<0.01	130			6.9	0.012	23	3.1	<0.0004	<0.01	2.5	<0.05	<0.01	6.3	<0.05		0.077
MW-2355	June-97						<0.01	120			14	0.023	30	1.4			3.2			9.9			
MW-2355	Sept-97						<0.01	190			34	0.01	27	1.4			2.5			12			
MW-2355	Dec-97						<0.01	130			34	0.01	27	1.4			2.7			12			
MW-2355	Mar-98						<0.01	190			34	0.01	27	1.4			4.9			12			
MW-2355	June-98	4.9	<0.06	0.015	<0.1	<0.01	<0.01	140	0.01	<0.02	14	0.013	34	1.2			3.2	<0.05	<0.01	12	<0.09	<0.020	0.091
MW-2355	Sept-98						<0.01	190			34	0.01	27	1.4			4.2			9.3			
MW-2355	Dec-98						<0.01	190			34	0.01	27	1.4			<1			10			
MW-2355	Mar-99						<0.0030	189			13.9	0.002	20.3	1.37			1.46			8.67			
MW-2355	Sept-99						<0.005	187			13.9	0.004	20.3	1.37			7.97			7.97			
MW-2355	Dec-99						<0.005	187			13.9	0.004	20.3	1.37			1.44			7.97			
MW-2355	Mar-01	<0.075	<0.060	0.090	0.286	<0.003	<0.005	166			13.9	0.004	20.3	1.37			1.5			7.71			
MW-2355	Nov-01						<0.005	179	<0.010	<0.010	14.4	0.004	20.3	1.37			1.84	<0.002	<0.010	8.37	<0.001	<0.010	<0.020
MW-2355	Mar-02						<0.005	181			14.4	0.004	20.3	1.37			1.52			8.61			
MW-2355	Dec-02						<0.005	207			14.4	0.004	20.3	1.37			1.37			8.31			
MW-2355	Mar-02						<0.005	197			14.4	0.004	20.3	1.37			1.46			8.69			
MW-2355	Sept-02	0.113	<0.060	0.090	0.371	<0.002	<0.005	199	<0.010	<0.010	14.4	0.004	20.3	1.37			3.19			10.6			
MW-2355	Dec-02						<0.001	207			14.4	0.004	20.3	1.37			1.39	0.001	<0.010	9.13	<0.001	<0.010	0.021
MW-2355	Apr-04	<0.1	<0.060	0.090	0.415	<0.002	<0.001	188	<0.003	<0.010	<0.017	14.4	0.004	20.3			1.72	<0.001	<0.010	8.21	<0.001	0.01	<0.020

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
MW-23SD	Nov-89	0.129	<0.06	<0.01	<0.005	<0.010	59.8	<0.01	<0.025	0.25	<0.003	<0.003	0.402	<0.0002	<0.04	<0.005	<0.005	<0.01	46.5	<0.01		0.0215
MW-23SD	Feb-90		<0.01			<0.010				1.89	0.004	0.004	3.16									
MW-23SD	Apr-90		<0.01			<0.010				1.89	0.004	0.004	3.16									
MW-23SD	Nov-90	0.15	<0.060	<0.020	0.11	<0.01	91	<0.01	<0.02	1.4	<0.020	19	0.115	<0.001	<0.04	1.3	<0.005	<0.02	8.5	<0.010		0.05
MW-23SD	Feb-91					<0.010	105			0.041	<0.020	22	0.115			1.14			3.64			
MW-23SD	May-91					<0.010	109			0.079	<0.020	20.5	0.079			1.01			4.08			
MW-23SD	Aug-91					<0.010	103			1.52	<0.020	21.1	0.048			1.27			4.36			
MW-23SD	Nov-91					<0.010	88.8				<0.020	15.1	0.041			0.87			3.96			
MW-23SD	Feb-92	0.46	<0.060	<0.020	0.14	<0.010	66	<0.020	<0.020	1.36	<0.020	19.3	0.079	<0.001	<0.040	1.09	<0.005	0.015	4.31	<0.010		0.092
MW-23SD	May-92					<0.010	98.7			1.31	<0.020	20.7	0.079			0.85			3.09			
MW-23SD	Aug-92					<0.010	78.3			0.39	<0.020	16.5	0.041			1.44			3.21			
MW-23SD	Dec-92					<0.010	111			0.39	<0.020	26	0.079			2.23			5.87			
MW-23SD	Feb-93					<0.010	65.5			1.49	<0.020	16.5	0.041			1.40			12.2			
MW-23SD	May-93	<0.10	<0.060	<0.020	<0.10	<0.010	79.9	<0.020	<0.020	0.29	<0.020	15.9	0.079	<0.001	<0.040	1.65	<0.005	<0.020	17.7	<0.010		0.035
MW-23SD	Aug-93					<0.010	64.1			0.18	<0.020	11.2	0.079			1.06			27			
MW-23SD	Dec-93					<0.010	67.6			0.06	<0.020	17.7	0.041			1.80			34.5			
MW-23SD	Feb-94					<0.010	38.7			0.39	<0.020	9.7	0.079			2.7			7.31			
MW-23SD	May-94					<0.010	55.4			0.14	<0.020	11.8	0.079			1.57			15.4			
MW-23SD	Aug-94	0.42	<0.060	<0.020	<0.10	<0.010	51.5	<0.020	<0.020	0.14	<0.020	11.8	0.079	<0.001	0.074	2.02	<0.005	<0.020	11.7	<0.005		0.024
MW-23SD	Nov-94					<0.010	42.2			0.14	<0.020	11.2	0.079			2.08			19.2			
MW-23SD	March-95					<0.010	52.5			0.14	<0.020	12	0.079			1.85			22.2			
MW-23SD	June-95					<0.010	49.6			0.14	<0.020	11.8	0.079			2.57			31.2			
MW-23SD	Sept-95					<0.010	46.7			0.14	<0.020	14.2	0.079			2.15			34.9			
MW-23SD	Nov-95	0.54	<0.060	<0.020	0.22	<0.010	46.7	<0.020	<0.020	0.14	<0.020	12.3	0.079	<0.001	<0.040	3.3	<0.005	<0.020	25.9	<0.005		0.048
MW-23SD	April-96	0.81	<0.1	<0.01	<0.020	<0.002	49	<0.01	<0.01	<0.01	<0.01	10	0.041	<0.0002	<0.01	3.2	<0.1	<0.01	15	<0.03		0.056
MW-23SD	June-96					<0.01	120			0.14	<0.020	12	0.079			3.2			11			
MW-23SD	Sept-96					<0.01	49			0.14	<0.020	11	0.079			3.2			11			
MW-23SD	Nov-96					<0.01	52			0.14	<0.020	12	0.079			2.2			11			
MW-23SD	Mar-97					<0.01	51			0.14	<0.020	13	0.079			2.2			11			
MW-23SD	June-97					<0.01	52			0.14	<0.020	13	0.079			2.2			11			
MW-23SD	Sept-97					<0.01	54			0.14	<0.020	14	0.079			2.2			11			
MW-23SD	Dec-97					<0.01	50			0.14	<0.020	13	0.079			2.2			11			
MW-23SD	Mar-98					<0.01	51			0.14	<0.020	13	0.079			2.2			11			
MW-23SD	June-98	0.6	<0.06	<0.01	<0.2	<0.01	52	<0.01	<0.01	<0.01	<0.01	14	0.079	<0.0002	<0.01	2.8	<0.05	<0.01	16	<0.03		0.1
MW-23SD	Sept-98					<0.01	53			0.14	<0.020	14	0.079			3.5			11			
MW-23SD	Dec-98					<0.01	61			0.14	<0.020	15	0.079			<1			10.7			
MW-23SD	June-99					<0.0050	69.7			0.14	<0.020	14	0.079			2.67			10.7			
MW-23SD	Sept-99					<0.005	58.1			0.14	<0.020	15.1	0.079			1.72			10.7			
MW-23SD	Dec-99					<0.005	58.1			0.14	<0.020	13.7	0.079			1.7			10.7			
MW-23SD	Mar-01					<0.005	53.6			0.14	<0.020	13	0.079			1.82			10.7			
MW-23SD	June-01	<0.075	<0.060	0.003	0.061	<0.002	56.4	<0.010	<0.010	0.108	0.004	13.6	0.072	<0.0002	<0.012	2.14	<0.002	<0.010	10.7	<0.010		<0.020
MW-23SD	Sept-01					<0.005	57.5			0.14	<0.020	13.9	0.079			5.9			10.7			
MW-23SD	Dec-01					<0.005	62.6			0.14	<0.020	14.5	0.079			3.96			10.7			
MW-23SD	Mar-02					<0.005	61			0.14	<0.020	14	0.079			2.67			10.7			
MW-23SD	June-02					<0.005	55.3			0.14	<0.020	13.8	0.079			2.9			10.7			
MW-23SD	Sept-02	<0.075	<0.060	0.006	0.068	<0.002	53.1	<0.010	<0.010	0.108	0.004	13.2	0.072	<0.0002	<0.012	4.7	<0.001	<0.010	10.7	<0.010		0.029
MW-23SD	Dec-02					<0.005	54			0.14	<0.020	14.1	0.079			3.84			10.7			
MW-23SD	Apr-04	0.13	<0.060	0.007	0.099	<0.002	74.6	<0.002	<0.010	<0.017	0.007	0.003	15	<0.0002	0.012	5.66	<0.001	<0.010	9.14	<0.001	<0.010	<0.020

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

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TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Ba (mg/l)	Br (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
MW-236D	Nov-89	6.91	<0.6	<0.01	<0.02	77.4	0.0198	0.0303	27.8	0.0106	0.0221	0.0001	<0.0001	<0.04	184.5	<0.005	<0.01	184.5	<0.01		0.103
MW-236D	Feb-90		<0.01			<0.010															
MW-236D	Apr-90		<0.01			<0.010															
MW-236D	Nov-90	0.73	<0.006	<0.020	0.04	44	<0.03	<0.02	2.3	<0.005	19	0.06	<0.001	<0.04	2	<0.005	<0.02	34	<0.010		<0.02
MW-236D	May-91					46.1			0.52	<0.020	19.3	0.103			2.48			42			
MW-236D	Aug-91					40.3			0.52	<0.020	17.1	0.024			1.83			39			
MW-236D	Nov-91					40.3			0.52	<0.020	14.4	0.048			1.64			34.3			
MW-236D	Feb-92	1.38	<0.060	<0.020	<0.10	38.3	<0.020	<0.020	0.02	<0.005	17.8	0.051	<0.001	<0.040	2.15	<0.005	<0.020	32.4	<0.010		0.02
MW-236D	May-92					38.8			0.02	<0.005	16	0.022			1.31			30.5			
MW-236D	Aug-92					33.3			0.39	<0.020	14.4	0.023			2.48			18.4			
MW-236D	Dec-92					33.2			0.39	<0.020	13.7	0.026			1.79			31.8			
MW-236D	Feb-93					29.1			0.156	<0.020	12.6	0.024			1.74			31.8			
MW-236D	May-93	<0.20	<0.060	<0.020	<0.10	33.8	<0.020	<0.020	0.07	<0.005	13.7	<0.020	<0.001	<0.040	1.95	<0.005	<0.020	34.4	<0.010		<0.020
MW-236D	Sep-93					33.7			0.253	<0.005	18.8	<0.020			1.66			31.8			
MW-236D	Dec-93					31.9			0.772	<0.005	17.4	0.023			1.87			34.6			
MW-236D	Feb-94					18.9			0.02	<0.005	15	0.022			1.32			31.8			
MW-236D	May-94					33.1			0.2	0.006	14.8	<0.020			1.44			31.8			
MW-236D	Aug-94	0.66	<0.060	<0.020	<0.10	40.2	<0.020		0.16	<0.005	13.1	<0.020	<0.001	<0.040	2.34	<0.005	<0.020	34.4	<0.010		0.035
MW-236D	Nov-94					29			0.16	<0.005	13.1	<0.020			1.63			31.8			
MW-236D	March-95					33.2			0.16	<0.005	13.1	<0.020			2.11			31.8			
MW-236D	June-95					33.2			0.16	<0.005	13.1	<0.020			2.11			31.8			
MW-236D	Sep-95					37.2			0.02	<0.005	15.8	0.026			1.85			31.8			
MW-236D	Nov-95	0.23	<0.060	<0.020	0.18	<0.010	<0.020	0.14	<0.005	<0.005	15.9	0.023	<0.001	<0.040	1.96	<0.005	<0.020	34.4	<0.005		0.022
MW-236D	April-96	<0.1	<0.1	<0.01	<0.03	33	<0.01	<0.02	0.22	<0.01	14	0.019	<0.002	<0.01	1.9	<0.1	<0.01	34	<0.01		0.023
MW-236D	June-96					26			0.02	<0.01	14	0.019			1.9			31.8			
MW-236D	Sep-96					37			0.02	<0.01	16	0.024			2			31.8			
MW-236D	Nov-96					34			0.02	<0.01	13	0.022			1.5			31.8			
MW-236D	Mar-97	0.3	<0.06	<0.01	<0.01	33	<0.01	<0.02	0.02	<0.01	14	0.023	<0.004	<0.01	2	<0.01	<0.01	15	<0.01		0.079
MW-236D	June-97					39			0.02	<0.01	18	0.03			1.9			17			
MW-236D	Sep-97					33			0.02	<0.01	14	0.023			1.6			31.8			
MW-236D	Dec-97					33			0.02	<0.01	14	0.023			1.7			31.8			
MW-236D	Mar-98					37			0.02	<0.01	16	0.033			1.9			31.8			
MW-236D	Aug-98	<0.1	<0.06	<0.01	<0.01	35	<0.01	<0.02	0.02	<0.01	15	0.022	<0.002	<0.01	1.8	<0.05	<0.01	31.8	<0.05	<0.01	0.023
MW-236D	Sep-98					35			0.02	<0.01	16	0.023			2.4			31.8			
MW-236D	Dec-98					41			0.02	<0.01	14	0.036			<1			30			

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/L)	As (mg/L)	Ba (mg/L)	B (mg/L)	Ca (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)	Fe (mg/L)	Pb (mg/L)	Mg (mg/L)	Mn (mg/L)	Ni (mg/L)	K (mg/L)	Se (mg/L)	Ag (mg/L)	Na (mg/L)	Ti (mg/L)	V (mg/L)	Zn (mg/L)
MW-2455	Nov-89	116	<0.6	0.025	0.089	450	0.009	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
MW-2455	Feb-90																				
MW-2455	Apr-90																				
MW-2455	Nov-90	4	<0.060	<0.025	0.07	<0.01	<0.01	207	<0.02	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
MW-2455	Feb-91																				
MW-2455	May-91																				
MW-2455	Aug-91																				
MW-2455	Nov-91																				
MW-2455	Feb-92	1.08	<0.060	<0.020	0.15	<0.010	<0.010	214	<0.020	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	<0.020
MW-2455	May-92																				
MW-2455	Dec-92																				
MW-2455	Aug-92																				
MW-2455	Feb-93																				
MW-2455	Jun-93	8.28	<0.060	<0.020	<0.10	<0.010	<0.010	147	<0.020	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
MW-2455	Sep-93																				
MW-2455	Dec-93																				
MW-2455	Feb-94																				
MW-2455	May-94																				
MW-2455	Aug-94	0.27	<0.060	<0.020	<0.10	<0.010	<0.010	136	<0.020	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
MW-2455	Nov-94																				
MW-2455	March-95																				
MW-2455	June-95																				
MW-2455	Sept-95																				
MW-2455	Dec-95																				
MW-2455	April-96																				
MW-2455	June-96																				
MW-2455	Sept-96																				
MW-2455	Nov-96																				
MW-2455	March-97																				
MW-2455	June-97																				
MW-2455	Sept-97																				
MW-2455	Dec-97																				
MW-2455	March-98																				
MW-2455	June-98	10	<0.06	<0.020	<0.10	<0.010	<0.010	130	0.02	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
MW-2455	Sept-98																				
MW-2455	Dec-98																				
MW-2455	April-99																				
MW-2455	June-99																				
MW-2455	Sept-99																				
MW-2455	Dec-99	11	<0.01	<0.01	<0.01	<0.01	<0.01	170	0.026	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	<0.01
MW-2455	April-00	1.41	<0.060	0.016	0.047	<0.002	0.07	<0.010	<0.010	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	<0.020
MW-2455	June-00																				
MW-2455	Sept-00																				
MW-2455	Dec-00																				
MW-2455	March-01																				
MW-2455	June-01	0.44	<0.060	0.016	0.037	<0.002	0.048	<0.010	<0.010	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	<0.020
MW-2455	Sept-01																				
MW-2455	Dec-01																				
MW-2455	March-02																				
MW-2455	June-02	0.464	<0.060	0.02	0.041	<0.002	0.086	<0.010	<0.010	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	<0.020
MW-2455	Sept-02																				
MW-2455	Dec-02																				
MW-2455	April-04	2.77	<0.060	0.028	0.045	<0.002	0.101	<0.010	<0.010	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	<0.020
MW-2455	June-05	2.8	<0.060	0.028	0.047	<0.002	0.104	<0.010	<0.010	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	<0.020
MW-2455	Sept-06	50	<0.060	0.028	0.047	<0.002	0.104	<0.010	<0.010	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	<0.020
MW-2455	Dec-07	10	<0.01	<0.01	<0.01	<0.01	<0.01	170	0.016	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	<0.020
MW-2455	Aug-09	7.5	<0.02	<0.02	0.12	<0.02	<0.1	<0.02	<0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	<0.02

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

Sample Location	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field) (S.U.)	Phenols (mg/l)	Eh (mV)	SO4= (mg/l)	Turbidity (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	DO (mg/l)	Bromide (mg/l)
Class C Surface Water Quality Standards and Guidance Values																							
SW-3	Apr-99	14.3	46	65	38	417	86	10	7.99	<0.002	55	32	29	210	<0.03	0.35	<4				0.76	7.78	<0.1
SW-3	Jun-99	22.3	150	18	52	510	220	5.7	8.17	0.002	125	26	102	290	<0.03	0.55	4.2				1.1	7.27	<0.1
SW-3	Sep-99	18.8	82	31	36	463	200	11	7.64	<0.002	375	90	46	330	<0.03	0.94	<4				0.96	7.05	<0.1
SW-3	Apr-00	3.6	120	24	35	477	190	10	7.45	<0.002	15	97	70	360	0.092	3.1	<4				1.4	11.01	<1
SW-3	Jun-00	12.2	65.3	21.9	28.8	300	100	6.6	7.91	<0.004	-138	26	18	176	0.12	1.51	3				<1	10.6	<1
SW-3	Apr-00	25.4	114	33.3	36.1	325	145	8.3	7.91	<0.004	34	33	13	230	<0.1	0.855	<3				<1	7.8	<1
SW-3	Sep-00	16.4	146	<10	42.1	511	173	9.2	8.15	<0.004	99	34	17.4	144	<0.1	1.54	<3				2.01	8.1	<1
SW-3	Dec-00	1.1	45.8	31.6	30.6	293	95.2	8.9	7.89	0.0066	12	33	13	170	<0.1	1.12	<3				1.69	10.9	<1
SW-3	Mar-01	5.3	72.8	<10	39.7	377	101	5	7.89	<0.004	13	20.1	60	192	<0.1	0.479	4				1.35	7.5	<1
SW-3	Jun-01	13	72.3	36.6	40.3	362	100	20	7.84	<0.004	88	44.6	56.9	365	<0.1	0.67	<3				1.35	7.4	<1
SW-3	Sep-01	21.6	171	<10	73.8	705	237	5.3	7.96	<0.004	89	35	16.5	290	<0.1	0.95	<3				<1	9	<1
SW-3	Dec-01	5.3	143	10.8	63.8	557	200	4.2	7.57	0.0023	-13	55.8	16.3	265	<0.1	0.724	<3				<1	12.3	<1
SW-3	Mar-02	5.3	92.3	<10	77.9	427	156	6.4	8.25	<0.004	67	29.3	41	267	<0.1	0.784	<3				<1	8.4	<1
SW-3	Jun-02	24.2	113	<10	49.3	462	144	7.9	7.68	<0.004	-77.8	66.6	45	405	0.189	1.34	<3				<1	9	<1
SW-3	Sep-02	21.2	155	<10	78.5	610	232	5.6	8	<0.004	-1.4	54	33	252	<0.1	0.64	<3				<1	8.6	<1
SW-3	Dec-02	0.6	50.9	19.5	38.9	501	123	9	7.49	<0.004	267	17.4	15.3	211	<0.10	0.5	3				<1	8.4	<1
SW-3	Apr-04	11.3	96.4	26	48	368	118	6.4	8.08	<0.0100	365	10	280	446	<1.0	1.1	<4.00				<1	9.84	<0.1
SW-3	Sep-05		188	14.5	81		257	5.9	7.52	<0.003	125	5.19	12.5	266	0.1	0.6	<4				1.16	8.96	<0.1
SW-3	Dec-07		85	18	75	452	150	6.3	7.47	<0.010													
SW-3	Aug-09	25.99	136	28	55	389	154	9.3															
SW-5	Apr-99	12.6	95	11	43	403	130	5.7	8.05	<0.002	115	24	72	230	<0.03	0.59	<4				1.1	8.71	<0.1
SW-5	Jun-99	21.3	150	14	52	510	230	5.6	8.26	0.0023	135	27	95	290	<0.03	0.58	4				0.93	6.5	<0.1
SW-5	Sep-99	18.8	83	31	39	476	200	11	7.2	<0.002	370	91	54	370	<0.03	1.2	<4				0.89	7.28	<0.1
SW-5	Dec-99	3.7	68	28	35	661	200	10	7.53	<0.002	330	100	82	360	0.084	3.3	<4				1.3	10.59	<1
SW-5	Apr-00	12.7	62.9	11.5	28.9	290	99.8	7	7.53	<0.004	-72	31	19	177	0.137	1.52	8				<1	9.2	<1
SW-5	Jun-00	24.8	117	24.2	36	350	143	8.6	7.93	<0.004	-162	19	18.5	251	0.155	0.74	3				<1	7.8	<1
SW-5	Sep-00	16.5	147	19.9	42.2	684	172	9.6	8.12	<0.004	44	25	8.9	238	<0.1	0.914	<3				<1	9	<1
SW-5	Dec-00	1.1	91.7	105	36.7	400	193	7.4	7.01	0.0072	400	81	38.8	231	0.167	1.72	<3				7.37	7.9	<1
SW-5	Mar-01	5	75.7	<10	40	408	106	5.4	7.7	<0.004	-18	19	13	156	<0.1	1.1	<3				7.52	10.8	<1
SW-5	Jun-01	21.4	91.5	28.4	42.5	418	124	15	7.73	<0.004	4	21.7	25	205	0.105	1.03	<3				1.01	5.2	<1
SW-5	Sep-01	22	173	<10	73.4	670	242	5.3	7.91	<0.004	105	46.8	17.7	354	<0.1	0.742	<3				<1	7.5	<1
SW-5	Dec-01	6	145	<10	64.2	591	194	4.5	7.07	<0.004	49	36	19.5	299	<0.1	0.96	<3				<1	9.2	<1
SW-5	Mar-02	5.8	73.5	17.7	77.7	422	159	6	7.87	<0.004	9	54.5	8.7	279	<0.1	0.704	<3				<1	10.8	<1
SW-5	Jun-02	25.4	113	<10	49.7	459	142	7.9	7.26	<0.004	96	27.6	10.1	279	<0.1	0.815	<3				<1	8.1	<1
SW-5	Sep-02	20.7	158	<10	80	605	213	5.8	7.09	<0.004	-88.7	76.3	75	422	<0.1	1.46	<3				1.17	9.2	<1
SW-5	Dec-02	0.1	102	<10	51.8	462	160	4.2	8.26	<0.004	4.6	41.3	95	266	0.1	1.42	<3				<1	8.6	<1
SW-5	Apr-04	11.8	105	15	47.4	370	128	5.4	7.84	<0.004	227	18.4	16.5	241	<0.10	<0.1	<4.00				<1.00	8.4	<1
SW-5	Sep-05		193	14.5	79		240	5.7				39.1		446	<1.00	0.946	<4.00				<1.00		<1.00
SW-5	Dec-07		120	28	48		150	8.9	7.92	<0.010	233	7.5		250	<1.0	0.59	<4.0				0.63	9.09	<0.1
SW-5	Aug-09	25.77	137	32	55	384	159	9.2	7.48	<0.010	160	5.49	13.7	276	0.07	0.62	<2				1.23	8.99	<0.1

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

Sample Location	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field)	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)	DO (mg/l)	Bromide (mg/l)
Chesapeake Bay	Apr-99	12.2	97	12	43	404	130	5.2	7.98	<0.002	105	24	13	230	<0.03	0.6	<4		<0.01	<0.01	0.67	8.46	<0.1
SW-8	Jun-99	21	130	13	52	510	230	5.7	7.97	0.0024	125	27	112	290	<0.03	0.61	<4				1.1	6.17	<0.1
SW-8	Sep-99	19.4	91	34	40	488	200	11	7.68	<0.002	365	91	83	360	<0.03	1.2	14				0.93	7.41	<0.1
SW-8	Dec-99	3.8	78	24	35	4940	200	11	8.13	<0.002	310	100	97	370	0.1	3.3	4.5	50	<0.01	<0.01	1.6	11.28	<1
SW-8	Apr-00	13	65.2	24.2	30	300	98.8	6.7	7.45	<0.004	-48	29	21	188	0.15	1.52	7	100	<0.01	<0.01	<1	9	<1
SW-8	Jun-00	22.2	114	23.2	36.4	300	155	9.5	7.62	<0.004	-186	24	18.4	231	0.103	0.754	<3				<1	8.1	<1
SW-8	Sep-00	15.5	146	10	42.1	573	178	9.5	7.83	<0.004	5	27	7	273	<0.1	0.924	<3				<1	8.8	<1
SW-8	Dec-00	0.2	91.2	23	36.3	386	155	5.5	7.93	<0.004	395	39	36	190	0.145	1.79	<3				1.67	7.6	<1
SW-8	Mar-01	11.4	74.8	<10	39.7	545	121	5.3	7.62	<0.004	-49	24	10	202	<0.1	1.1	<3	125	<0.01	<0.01	1.69	11	<1
SW-8	Jun-01	20.9	92.1	31.3	44.1	369	102	18	7.5	<0.004	162	21.6	26	209	<0.1	1.2	3				<1	6	<1
SW-8	Sep-01	175	147	<10	74.1	753	236	5.5	7.45	<0.004	48	45.6	15.9	387	<0.1	0.777	3				<1	7.3	<1
SW-8	Dec-01	6	147	<10	63.3	647	209	4.4	7	<0.004	69	36	18.9	301	<0.1	0.93	<3				<1	8.5	<1
SW-8	Mar-02	6	73.3	<10	77.6	438	155	6	7.84	<0.004	-22	54.4	8.23	276	<0.1	0.72	<3				<1	9.1	<1
SW-8	Jun-02	24	115	<10	50.4	475	148	8.6	7.06	<0.004	-33.5	27.8	9.8	250	<0.1	0.832	<3				<1	8.4	<1
SW-8	Sep-02	19.7	166	13.2	77.9	606	233	5.3	7.6	<0.004	48	58.5	40	406	<0.1	1.54	<3	45	<0.005	<0.01	1.76	9.6	<1
SW-8	Dec-02	0.8	86.7	<10	51.4	526	160	4.8	8.01	<0.004	215	43.9	5.8	265	<0.1	1.47	<3				<1	8.5	<1
SW-8	Apr-04	11.8	106	106	47.5	430	130	5.5	7.98	<0.004	48	18.3	15.9	170	0.221	<0.1	<3				<1	8.5	<1
SW-8	Sep-05		189	14.5	80		238	6.16		<0.010		38.4		428	<1.0	0.934	<4.0				<1.0		<1.0
SW-8	Sep-06		120	30	50		150	7.9		<0.010	420	22		240	<1.0	0.69	<4.0				0.6	9.01	<0.1
SW-8	Dec-07		85	15	71		150	6.1	7.75	<0.003	420	8.5		270	<0.03	1.1	<4				0.6	9.05	<0.1
SW-8	Aug-09	25.91	136	32	53	379	159	9.2	7.5	<0.010	180	5.49	14.1	267	0.07	0.6	<2				1.33		<0.1
SW-13	Apr-99	12.4	93	21	43	390	120	5.2	7.83	<0.002	70	23	68	230	<0.03	0.58	<4				0.68	9.31	<0.1
SW-13	Jun-99	21.8	150	16	53	510	260	5.8	8.25	0.0026	130	26	130	290	<0.03	0.55	<4				1.4	6.86	<0.1
SW-13	Sep-99	18.4	91	31	40	486	200	11	7.52	<0.002	380	91	50	370	<0.03	1.2	<4				1.1	6.79	<0.1
SW-13	Dec-99	4.2	44	29	36	336	110	12	9.03	<0.002	145	40	30	230	0.03	1.5	<4	60	<0.01	<0.01	0.98	9.5	<1
SW-13	Apr-00	12.5	64.9	29.6	30.8	310	98.4	7	7.63	<0.004	-76	30	24	178	0.117	1.82	7	100	<0.01	<0.01	<1	9.4	<1
SW-13	Jun-00	25.3	116	26.6	36.1	325	140	10	7.98	<0.004	-137	20	19.6	247	<0.1	0.753	<3				<1	7.9	<1
SW-13	Sep-00	16.1	147	<10	42.5	491	172	12	8.14	<0.004	54	28	8.8	244	<0.1	1.17	<3				1	8	<1
SW-13	Dec-00	0.5	52.6	<10	30.2	285	96.7	9	7.86	<0.004	111	36	18.4	181	<0.1	1.67	<3				<1	11	<1
SW-13	Mar-01	5.7	75	13.9	40.2	340	111	11	7.8	<0.004	7.8	30	11	199	<0.1	1.03	<3				1.15	6.8	<1
SW-13	Jun-01	21.5	93.7	32.6	43.1	390	127	16	7.86	<0.004	50	21.5	35	216	<0.1	0.678	<3				1.01	7.5	<1
SW-13	Sep-01	21.6	175	<10	71.3	679	235	5.5	8.13	<0.004	105	50.5	39.8	362	<0.1	0.96	<3				<1	8.7	<1
SW-13	Dec-01	5.7	144	<10	64.4	576	201	4.5	7.49	<0.004	84	36	15.8	305	<0.1	0.729	<3				<1	12.6	<1
SW-13	Mar-02	5.6	72.7	<10	77.5	409	142	6.1	8.2	<0.004	10	55.7	11.5	266	<0.1	0.83	<3				<1	8.6	<1
SW-13	Jun-02	25.1	106	<10	50.1	462	146	8	7.72	<0.004	69	27.4	14.3	247	<0.1	1.38	<3	50	<0.005	<0.01	1.38	9.4	<1
SW-13	Sep-02	21.4	159	<10	76.5	602	234	5.7	8.02	<0.004	-102.2	66.7	42	404	<0.1	0.68	<3				1.45	8.4	<1
SW-13	Dec-02	0.3	53.4	28.8	40.1	377	123	10	7.21	<0.004	0.8	52.7	5.6	239	<0.1	0.51	<3				<1	8.6	<1
SW-13	Apr-04	11.4	102	34	49.3	336	122	6.1	8.1	<0.004	264	18.3	15	172	<0.1	0.51	<3				<1	8.6	<1
SW-13	Sep-05		187	14.5	82		245	5.75		<0.010		38.8		446	<1.0	1.15	<4.0				NA	NA	<1.0
SW-13	Dec-07		89	50	23		140	18	7.18	<0.003	325	11		250	<1.0	0.35	<4.0				0.58	10.12	<0.1
SW-13	Aug-09	22.13	158	40	34	390	172	12	7.64	<0.010	125	38.1	18.5	292	0.07	0.4	<4				0.89	12.68	<0.1

NOTE: *1- Dependent upon sample temperature and pH (see regs)

TABLE 16 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - METAL PARAMETERS

Sample Location	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	T-Cd (mg/l)	T-Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	T-Fe (mg/l)	T-Pb (mg/l)	T-Mg (mg/l)
<i>Side and Grid Values</i>		<i>0.1</i>		<i>0.15</i>			<i>10</i>				<i>0.005</i>		<i>0.3</i>		
SW-3	Apr-99							<0.01	25				0.99	<0.01	5.9
SW-3	Jun-99							<0.01	57				1.5	<0.01	20
SW-3	Sept-99							<0.01	56				1.2	<0.01	14
SW-3	Dec-99	0.7	<0.01	<0.01	<2	<0.01	<.5	<0.01	57	<0.01	<0.01	<0.01	1.3	<0.01	12
SW-3	Apr-00	0.34	<0.050	<0.002	<0.016	<0.002	<0.048	<0.0050	27.6	<0.010	<0.010	<0.017	0.923	<0.001	7.54
SW-3	Jun-00							<0.0050	38.5				0.908	0.003	11.8
SW-3	Sept-00							<0.005	45.4				0.751	0.001	14.4
SW-3	Dec-00							<0.005	27.9				0.921	0.002	6.2
SW-3	Mar-01							<0.005	26.8				0.696	0.005	8.27
SW-3	Jun-01	0.493	<0.050	<0.002	0.026	<0.002		<0.005	29.2	<0.010	<0.010	<0.017	1.53	0.013	6.63
SW-3	Sept-01							<0.005	60				0.97	0.005	21.2
SW-3	Dec-01							<0.005	51.4				0.878	<0.001	17.3
SW-3	Mar-02							<0.005	44				0.444	0.001	11.2
SW-3	Jun-02							<0.005	38.9				0.736	0.002	11.5
SW-3	Sept-02	0.909	<0.050	0.002	0.037	<0.002	0.065	<0.005	61.5	<0.010	<0.010	<0.017	1.34	0.007	19.1
SW-3	Dec-02							0.001	33.8				0.386	0.004	9.46
SW-3	Apr-04	0.938	<0.050	0.001	0.019	<0.002	<0.048	<0.001	31.9	<0.002	<0.010	<0.017	1.19	0.001	9.2
SW-3	Sept-05	0.152	<0.0044	<0.0031	0.0405	<0.0004	0.0598	<0.0008	64	0.0013	<0.0019	0.0031	0.248	<0.0019	23.7
SW-3	Dec-07	0.12	<0.01	0.013	<0.2	<0.01	<0.5	<0.01	41	<0.01	<0.01	<0.01	0.36	<0.01	12
SW-3	Aug-09	0.4	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	40	<0.02	<0.02	<0.02	0.85	<0.02	13
SW-5	Apr-99							<0.01	33				0.64	<0.01	11
SW-5	Jun-99							<0.01	58				1.3	<0.01	20
SW-5	Sept-99							<0.01	56				1.5	<0.01	14
SW-5	Dec-99	0.84	<0.01	<0.01	<2	<0.01	<.5	<0.01	60	<0.01	<0.01	<0.01	1.54	<0.01	13
SW-5	Apr-00	0.572	<0.050	<0.002	<0.016	<0.002	<0.048	<0.0050	27.5	<0.010	<0.010	<0.017	0.997	0.002	7.55
SW-5	Jun-00							<0.0050	38.1				0.861	0.006	11.7
SW-5	Sept-00							<0.005	45.4				0.657	0.002	14.3
SW-5	Dec-00							<0.005	52.4				0.17	0.013	15.1
SW-5	Mar-01							<0.005	28				1.18	0.002	8.79
SW-5	Jun-01	0.941	<0.050	0.003	0.022	<0.002		<0.005	33.3	<0.010	<0.010	<0.017	1.82	0.006	9.97
SW-5	Sept-01							<0.005	61.4				0.785	0.005	21.6
SW-5	Dec-01							<0.005	49.8				0.933	<0.001	17
SW-5	Mar-02							<0.005	44.8				0.854	0.001	11.4
SW-5	Jun-02							<0.005	38.2				0.745	0.002	11.4
SW-5	Sept-02	0.834	<0.050	0.002	0.038	<0.002	0.066	<0.005	61.4	<0.010	<0.0100	<0.017	1.17	0.006	19.3
SW-5	Dec-02							<0.001	41.7				0.354	<0.001	13.6
SW-5	Apr-04	0.747	<0.050	0.001	0.018	<0.002	<0.048	<0.001	34.4	<0.002	<0.010	<0.017	0.939	<0.001	10.3
SW-5	Sept-05	0.241	<0.0044	<0.0031	0.0377	<0.0004	0.0523	<0.0008	59.8	<0.0009	<0.0019	0.003	0.285	<0.0019	22.2
SW-5	Sept-06	0.34	<0.060	<0.005	0.2	<0.005	<0.050	<0.005	39	<0.010	<0.050	<0.025	0.82	<0.005	14
SW-5	Dec-07	0.13	<0.01	0.014	<0.2	<0.01	<0.5	<0.01	40	<0.01	<0.01	<0.01	0.35	<0.01	11
SW-5	Aug-09	0.28	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	42	<0.02	<0.02	<0.02	0.79	<0.02	13

TABLE 16 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - METAL PARAMETERS

Sample Location	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	T-Cd (mg/l)	T-Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	T-Fe (mg/l)	T-Pb (mg/l)	T-Mg (mg/l)
		0.1		0.15			10				0.005		0.3		
SW-8	Apr-99							<0.01	33				0.67	<0.01	11
SW-8	Jun-99							<0.01	59				1	<0.01	20
SW-8	Sept-99							<0.01	55				1.1	<0.01	14
SW-8	Dec-99		<0.01	<0.01	<0.2	<0.01	<0.01	<0.0050	58	<0.01	<0.010	<0.017	2	<0.01	13
SW-8	Apr-00	0.854	<0.050	<0.002	0.017	<0.002	<0.048	<0.0050	27.1	<0.010			1.13	<0.001	7.57
SW-8	Jun-00							<0.0050	41.1				0.981	0.004	12.6
SW-8	Sept-00							<0.005	46.8				0.655	0.001	14.8
SW-8	Dec-00							<0.005	41.7				3.13	0.005	12.3
SW-8	Mar-01							<0.005	26.8				0.505	0.001	8.44
SW-8	Jun-01	0.532	<0.050	0.003	0.019	<0.002		<0.005	32.6	<0.010	<0.010	<0.017	1.25	0.002	9.61
SW-8	Sept-01							<0.005	59.7				0.829	0.01	21.2
SW-8	Dec-01							<0.005	54.2				1.06	0.001	18
SW-8	Mar-02							<0.005	43.6				0.658	<0.001	11.3
SW-8	Jun-02							<0.005	39.7				0.692	0.002	11.8
SW-8	Sept-02	0.774	<0.050	0.002	0.037	<0.002	0.053	<0.005	60.6	<0.010	<0.0100	<0.017	1.4	0.002	19.8
SW-8	Dec-02							<0.001	42				0.356	<0.001	13.3
SW-8	Apr-04	0.881	<0.050	0.001	0.019	<0.002	0.053	<0.001	34.7	<0.002	<0.010	<0.017	1.05	<0.001	10.5
SW-8	Sept-05	0.396	0.0063	<0.0031	0.0368	<0.0004	0.502	<0.0008	59.2	0.0011	<0.0019	0.0021	1.96	<0.0019	22
SW-8	Sept-06	0.04	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	39	<0.010	<0.050	<0.025	1.5	<0.005	14
SW-8	Dec-07	0.12	<0.01	0.014	<0.2	<0.01	<0.5	<0.01	40	<0.01	<0.01	<0.01	0.34	<0.01	12
SW-8	Aug-09	0.26	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	42	<0.02	<0.02	<0.02	0.86	<0.02	13
SW-13	Apr-99							<0.01	31				0.59	<0.01	10
SW-13	Jun-99							<0.01	67				8.2	0.014	21
SW-13	Sept-99							<0.01	56				1.2	<0.01	14
SW-13	Dec-99	0.42	<0.01	<0.01	<0.2	<0.01	<.5	<0.01	33	<0.01	<0.01	<0.01	0.98	<0.01	7.3
SW-13	Apr-00	0.991	<0.050	<0.002	0.017	<0.002	0.052	<0.0050	27.2	<0.010	<0.010	<0.017	1.26	0.001	7.4
SW-13	Jun-00							<0.0050	37.3				0.86	0.01	11.4
SW-13	Sept-00							<0.05	45.4				0.557	0.001	14.3
SW-13	Dec-00							<0.005	28.1				1.09	<0.001	6.44
SW-13	Mar-01							<0.005	29.2				1.63	0.01	9.2
SW-13	Jun-01	0.503	<0.050	0.003	0.019	<0.002		<0.005	34.4	<0.010	<0.010	<0.017	1.36	0.005	10.1
SW-13	Sept-01							<0.005	59.4				1.05	0.006	21
SW-13	Dec-01							<0.005	52.2				0.889	<0.001	17.1
SW-13	Mar-02							<0.005	40				0.561	0.001	10.2
SW-13	Jun-02							<0.005	39.3				0.732	0.002	11.7
SW-13	Sept-02	0.499	<0.050	0.002	0.035	<0.002	0.073	<0.005	62	<0.010	<0.0100	<0.017	0.793	0.003	19.2
SW-13	Dec-02							<0.005	34.9				0.292	<0.001	8.76
SW-13	Apr-04	0.847	<0.050	<0.001	0.018	<0.002	0.064	<0.001	32.9	<0.002	<0.010	<0.017	0.991	0.001	9.7
SW-13	Sept-05	0.143	0.0088	0.0064	0.0391	<0.0004	0.0781	<0.0008	60.7	0.0013	<0.0019	0.0033	0.36	<0.0019	22.7
SW-13	Sept-06	0.29	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	43	<0.010	<0.050	<0.025	1.3	<0.005	9.4
SW-13	Dec-07	0.15	<0.01	0.014	<0.2	<0.01	<0.5	<0.01	40	<0.01	<0.01	<0.01	0.37	<0.01	11
SW-13	Aug-09	0.08	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	51	<0.02	<0.02	<0.02	0.8	<0.02	11

TABLE 16 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - METAL PARAMETERS

Sample Location	Sample Date	T-Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	T-K (mg/l)	Se (mg/l)	Ag (mg/l)	T-Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
			0.00077			0.00046	0.0001		0.008	0.014	
SW-3	Apr-99	0.098			1.5			15			
SW-3	Jun-99	0.2			2.7			37			
SW-3	Sept-99	0.14			2.6			23			
SW-3	Dec-99	0.2	<.0002	<.01	3.1	0.071	<.01	16	0.016	<.01	0.026
SW-3	Apr-00	0.051	<.0002	<.012	1.54	<.0002	<.010	15.1	<.001	<.010	<.020
SW-3	Jun-00	0.105			1.62			19.8			
SW-3	Sept-00	0.106			2.67			22.3			
SW-3	Dec-00	0.113			2.25			14.9			
SW-3	Mar-01	0.044			1.41			18.4			
SW-3	Jun-01	0.163	<.0002	<.012	1.75	<.0002	<.010	19	<.001	<.010	<.020
SW-3	Sept-01	0.135			3.4			38			
SW-3	Dec-01	0.122			3.11			32.1			
SW-3	Mar-02	0.099			1.75			30.2			
SW-3	Jun-02	0.099			1.78			24.6			
SW-3	Sept-02	0.148	<.0002	<.012	4.32	<.0001	<.010	36.6	<.001	<.010	0.029
SW-3	Dec-02	0.065			4.38			19			
SW-3	Apr-04	0.118	<.0002	<.012	2.11	<.0001	<.010	22	<.001	<.010	<.020
SW-3	Sept-05	0.211	<.00016	<.0023	5.45	<.0039	<.0011	39.8	<.0029	<.002	0.0058
SW-3	Dec-07	0.078	<.0002	<.01	2.5	0.085	<.01	40	<.01	<.01	0.013
SW-3	Aug-09	0.12	<.0001	<.02	2	<.02	<.01	29	<.02	<.02	<.02
SW-5	Apr-99	0.063			1.6			20			
SW-5	Jun-99	0.16			2.7			34			
SW-5	Sept-99	0.17			2.7			23			
SW-5	Dec-99	0.22	<.0002	<.01	3.2	0.075	<.01	16	0.023	<.01	<.028
SW-5	Apr-00	0.055	<.0002	<.012	1.56	<.002	<.010	15	<.001	<.010	<.020
SW-5	Jun-00	0.102			1.61			19.6			
SW-5	Sept-00	0.102			2.62			22			
SW-5	Dec-00	0.674			3.06			18.4			
SW-5	Mar-01	0.078			1.35			18.2			
SW-5	Jun-01	0.136	0.0002	<.012	2.44	<.002	<.010	19.6	<.001	<.010	<.020
SW-5	Sept-01	0.109			3.52			38.6			
SW-5	Dec-01	0.124			3.08			31.7			
SW-5	Mar-02	0.113			1.86			30.9			
SW-5	Jun-02	0.098			1.66			24.1			
SW-5	Sept-02	0.176	<.0002	<.012	4.41	<.001	<.010	37	<.001	<.010	0.026
SW-5	Dec-02	0.077			2.04			23.9			
SW-5	Apr-04	0.09	<.0002	<.012	1.82	<.001	<.010	23	<.001	<.010	<.020
SW-5	Sept-05	0.211	<.00016	<.0023	4.98	<.0039	0.0021	37.1	<.0029	<.002	0.0044
SW-5	Sept-06	0.093	<.0002	<.040	<.5	<.010	<.010	25	<.010	<.050	<.020
SW-5	Dec-07	0.076	<.0002	<.01	2.4	0.077	<.01	41	<.01	<.01	0.013
SW-5	Aug-09	0.11	<.0001	<.02	1.9	<.02	0.01	29	0.02	<.02	<.02

TABLE 16 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - METAL PARAMETERS

Sample Location	Sample Date	T-Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	T-K (mg/l)	Se (mg/l)	Ag (mg/l)	T-Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
<i>Sds and Guid. Values</i>			0.00077			0.00046	0.0001		0.008	0.014	
SW-8	Apr-99	0.065			1.6			20			
SW-8	Jun-99	0.14			2.7			35			
SW-8	Sept-99	0.15			2.6			23			
SW-8	Dec-99	0.28	< .0002	<0.01	<0.01	0.042	<0.01	15	<0.01	<0.01	0.033
SW-8	Apr-00	0.052	<0.0002	<0.012	1.65	<0.002	<0.010	15	<0.001	<0.010	<0.020
SW-8	Jun-00	0.127			1.68			21.1			
SW-8	Sep-00	0.098			2.61			22.5			
SW-8	Dec-00	0.243			2.33			19.3			
SW-8	Mar-01	0.044			1.2			18.2			
SW-8	Jun-01	0.092	<0.0002	<0.012	2.23	<0.002	<0.010	19.1	<0.001	<0.010	<0.020
SW-8	Sep-01	0.155			3.34			37.7			
SW-8	Dec-01	0.135			3.21			33			
SW-8	Mar-02	0.097			1.8			30.9			
SW-8	Jun-02	0.096			1.77			24.9			
SW-8	Sep-02	0.156	<0.0002	<0.012	4.5	<0.001	<0.010	38.1	<0.001	<0.010	0.025
SW-8	Dec-02	0.079			1.91			23.2			
SW-8	Apr-04	0.096	<0.0002	<0.012	1.95	<0.001	<0.010	23.3	<0.001	<0.010	<0.020
SW-8	Sep-05	0.191	<0.00016	<0.0023	4.92	<0.0039	0.0015	37.2	<0.0029	<0.002	0.0345
SW-8	Sep-06	0.11	<0.0002	<0.040	<5	<0.010	<0.010	24	<0.010	<0.050	<0.020
SW-8	Dec-07	0.076	<0.0002	<0.01		0.079	<0.01	40	<0.01	<0.01	0.014
SW-8	Aug-09	0.11	<0.001	<0.02	1.9	<0.02	<0.01	28	<0.02	<0.02	<0.02
SW-13	Apr-99	0.06			1.5			17			
SW-13	Jun-99	1			3.2			37			
SW-13	Sept-99	0.15			2.6			23			
SW-13	Dec-99	0.13	< .0002	<0.01	2.4	0.059	<0.01	18	0.022	<0.01	0.012
SW-13	Apr-00	0.058	<0.0002	<0.012	1.75	<0.002	<0.010	15.3	<0.001	<0.010	0.149
SW-13	Jun-00	0.098			1.65			19.4			
SW-13	Sep-00	0.095			2.51			21.8			
SW-13	Dec-00	0.111			2.18			14.9			
SW-13	Mar-01	0.123			1.22			18.4			
SW-13	Jun-01	0.103	<0.0002	<0.012	2.36	<0.002	<0.010	20	<0.001	<0.010	0.022
SW-13	Sep-01	0.134			3.43			37.6			
SW-13	Dec-01	0.123			2.98			30.9			
SW-13	Mar-02	0.09			1.6			27.1			
SW-13	Jun-02	0.094			1.71			24.8			
SW-13	Sep-02	0.138	<0.0002	<0.012	4.18	<0.001	<0.010	37	<0.001	<0.010	<0.020
SW-13	Dec-02	0.048			1.86			18.5			
SW-13	Apr-04	0.092	<0.0002	<0.012	2.02	<0.001	<0.010	22.3	<0.001	<0.010	<0.020
SW-13	Sep-05	0.216	<0.00016	<0.0023	5.22	<0.0039	0.0012	37.9	<0.0029	<0.002	0.006
SW-13	Sep-06	0.29	<0.0002	<0.040	<5.0	<0.050	<0.010	16	<0.010	<0.050	<0.020
SW-13	Dec-07	0.076	<0.0002	<0.01	2.5	0.082	<0.01	41	<0.01	<0.01	0.013
SW-13	Aug-09	0.11	<0.001	<0.02	1.4	<0.02	<0.01	19	0.02	0.274	<0.02

TABLE 17 - HISTORICAL LEACHATE ANALYTICAL DATA

Sample Location	Sample Date	Temp (°C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (µmhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (µg/L)	Rh (mV)	SO ₄ ²⁻ (mg/l)	Turbidity (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ ⁻ (mg/l)	BOD ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
MH-7	April-99	12.1	3500	790	1900	12800	710	280	6.38	0.019	0	39	22	5000	550	0.13	58				560	29
MH-7	June-99	14.6	3500	200	1600	11700	870	260	7.31	0.021	<-55	44	93	4900	620	0.14	68				540	620
MH-7	Sept-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	1820	1200	710	240	8.45	0.026	70	17	70	5000	720	0.17	60	400	0.014	<0.03	720	18
MH-7	Apr-00	12.6	3570	3220	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	June-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	Sept-00	15.5	3340	2270	1860	10480	1130	340	7.19	0.0344	-48	30	650	4670	419	0.105	150				639	<1
MH-7	Dec-00	8.8	3080	1040	1760	10680	1820	320	6.98	0.0504	-22	63	130	4740	477	0.108	96				693	<1
MH-7	March-01	11.6	3620	1220	1560	10250	678	390	7.08	0.0478	-44	64	320	4380	535	0.101	68				694	17
MH-7	June-01	16.3	2870	1580	1640	1001	925	401	7.07	0.0487	-129	120	>1700	896	0.102	<0.1	150	2000	<0.01	<0.01	881	14
MH-7	Sept-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	-49	25.6	806	3700	589	<0.1	55				555	<1
MH-7	March-02	8	3330	4620	2050	9320	532	1320	7.91	0.0653	37	34.6	168	4070	519	<0.1	50				548	17.1
MH-7	June-02	16.7	3250	1380	582	10170	653	192	6.89	0.0677	-75	108	35	3680	523	<0.1	38				561	13.8
MH-7	Sept-02	17.1	3360	1150	793	8800	656	526	7.15	0.0602	-273	25.5	65	4580	583	0.108	71	600	0.0068	<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	150	<0.005	<0.0025	577	9.66
MH-7	April-04	10.8	1720	1620	1710	8990	776	196	7.21	0.014	-91	255	530	4770	492	<0.1	49	150	<0.005	<0.0025	528	12.1
MH-7	Sept-04						626	188		0.073		161		3310	45.6	<0.300	>42.8	500	<0.000	<0.010	570	<1.00
MH-7	Sept-05	12.7	<5.0	1	1400	273	730	250	7.12	0.058	0	51	39.6	3700	430	3.4	42	400	<0.010	<0.20	N/A	<1.0
MH-7	Sept-07	8.9	2700		1100	9100	860	230	7.26	0.021	110	140	331	3800	480	<0.1	50	800	<0.01	<0.01	470	19
MH-7	Aug-08	18.96	174	132	215	2590	506	19	6.79	<0.010	140	351	31	1408	45.2	92	<6	45	<0.005	<0.004	49.4	1.7
MH-15	April-99	8.5	2600	670	980	7720	780	200	6.75	0.02	0	320	130	3700	390	<0.02	82				410	6
MH-15	June-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	Sept-99	18.3	2000	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	3600	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	March-00	11.1	3030	1680	982	8500	719	25	6.8	0.087	-140	110	25	3510	371	<0.05	97	450	<0.01	<0.01	401	<1
MH-15	June-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	Sept-00	15.9	3500	1160	1210	8850	740	320	7.31	0.0535	-79	51	36	4200	437	0.342	43				548	<1
MH-15	Dec-00	3.4	3000	833	920	7720	760	320	7.26	0.0625	-17	61	37	3470	360	0.05	49				461	<1
MH-15	March-01	4.1	2010	498	560	4490	579	131	6.88	0.0573	-41	55	22	2120	202	0.134	35				453	3.31
MH-15	June-01	15.7	2830	721	912	6840	681	262	7.02	0.0394	-44	88.7	19	664	<0.100	0.408	60	300	<0.01	<0.01	356	6
MH-15	Sept-01	21.9	4050	1750	1160	10290	746	810	7.71	0.043	-19	151		4990	606	<0.1	69				598	10
MH-15	Dec-01	10.6	4310	1390	1840	11800	832	1100	7.53	0.0709	-28	96.2	19.8	4900	707	2.55	64				1250	<1
MH-15	March-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	June-02	28.6	3770	1040	441	6590	527	296	7.86	0.0452	-107	96.4	16.5	2800	318	<0.1	<24				541	6.04
MH-15	Sept-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	April-04	8.2	783	397	210	3390	660	98	6.94	0.009	57	50.7	114	1680	314	0.18	36	20	<0.005	<0.0025	179	2.9
MH-15	Sept-04	13.8	760	220	240	282	600	61	6.94	<0.010	1244	17	149	1300	93	<0.25	22	200	<0.010	<0.20	N/A	<1.0
MH-15	Sept-07	9	980	190	260	2580	580	64	6.23	<0.003	505	26	177	1100	110	0.31	39	500	<0.01	0.011	100	1.7
MH-15	April-08	18.75	796	132	153	2560	487	33	6.48	<0.010	89	<5	265	856	64.4	<0.05	24	35	<0.005	<0.004	67.3	1.4

TABLE 17 - HISTORICAL LEACHATE ANALYTICAL DATA

Sample Location	Sample Date	B	T-Cd	T-Cu	T-Pb	T-Mn	T-K	T-Na	Al	Si	As	Be	Ba	Cr	Cu	Ni	Sa	Ag	Ti	Zn	Co	V	Hg
MH-7	Apr-99		<0.01	87	23	0.012	120	0.4															
MH-7	Jun-99		<0.01	110	26	0.015	140	0.52															
MH-7	Sep-99		<0.01	90	15	<0.01	100	0.3															
MH-7	Dec-99	4.4	0.016	86	3.1	<0.01	110	0.34	<0.1	<0.01	0.011	<0.01	<0.2	0.016	<0.01	0.16	<0.01	<0.01	0.019	0.032	0.073	0.012	<0.0002
MH-7	Apr-00	3.83	<0.005	109	26.5	0.008	118	0.57	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															
MH-7	Sep-00		<0.1	254	273	0.07	120	3.84															
MH-7	Dec-00		0.059	483	615	<0.001	148	7.2															
MH-7	Mar-01		<0.005	105	32.2	0.01	101	0.647	38	<0.050	0.059	0.002	0.991	0.067	0.199	0.238	<0.002	<0.010	<0.001	0.484	0.071	0.142	0.0004
MH-7	Jun-01	3.29	0.005	188	216	0.039	113	4.03															
MH-7	Sep-01		0.007	163	130	0.052	112	1.74															
MH-7	Dec-01		<0.005	119	45.9	0.004	105	0.726															
MH-7	Mar-02		<0.005	70.3	11.3	0.002	105	0.126															
MH-7	Jun-02		<0.005	99.8	13.8	0.007	98.1	0.351	0.381	<0.050	0.016	<0.002	0.183	0.02	<0.017	0.135	0.005	<0.010	<0.001	0.045	0.035	0.013	<0.0002
MH-7	Sep-02	3.65	<0.005	99.6	13.8	0.007	98.9	0.337															
MH-7	Dec-02		<0.001	93	10.4	0.005	97.7	0.309															
MH-7	Apr-04	2.81	<0.001	190	20.1	0.004	97.3	1.12	<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	1.24	0.0105	0.045	<0.003	0.126	0.062	0.0032	0.0966	<0.0039	<0.0011	<0.002	0.022	0.0272	0.0064	<0.00016
MH-7	Sep-06	3.1	<0.005	150	12	<0.005	88	4.3	<0.200	<0.060	0.017	<0.005	<0.200	0.012	<0.025	0.089	<0.010	<0.010	<0.010	<0.020	<0.050	<0.050	<0.0002
MH-7	Dec-07	3.2	<0.01	170	29	<0.01	110	0.51	0.19	<0.01	0.059	<0.01	0.35	0.011	<0.01	0.058	0.46	<0.01	<0.01	0.021	0.019	<0.01	<0.0002
MH-7	Mar-08	0.32	<0.02	173	0.15	<0.02	18	1.1	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	0.02	<0.02	0.01	0.05	<0.02	<0.02	<0.02	<0.001
MH-15	Apr-99		<0.01	170	15	<0.01	89	3.2															
MH-15	Jun-99		<0.01	130	13	0.033	120	1.6															
MH-15	Sep-99		<0.01	170	15	<0.01	86	1.1															
MH-15	Dec-99	5.2	<0.01	140	3.6	<0.01	110	0.69	<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	1.06	<0.075	<0.05	0.015	<0.002	0.399	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	87.1	0.86															
MH-15	Sep-00		<0.005	134	1.79	0.012	98.4	1.22	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	Dec-00		<0.005	157	4.71	0.01	89.3	0.948															
MH-15	Mar-01		<0.005	136	6.36	0.012	58.2	1.13															
MH-15	Jun-01		<0.005	140	6.43	0.002	80.6	1.13	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	Sep-01		<0.005	109	1.34	0.014	115	0.748															
MH-15	Dec-01		<0.005	117	2.66	<0.001	131	0.67															
MH-15	Mar-02		<0.005	140	16.2	0.007	105	1.33															
MH-15	Jun-02		<0.005	92.8	4.35	0.004	71.8	0.667	0.493	<0.050	0.028	<0.002	0.336	0.042	0.019	0.151	0.004	<0.010	<0.001	0.048	0.077	0.018	<0.0002
MH-15	Sep-02	5.26	<0.005	129	10.2	0.009	113	1.08															
MH-15	Dec-02		<0.001	124	6.49	0.005	76.2	1.23															
MH-15	Apr-04	1.39	<0.001	179	52.8	0.002	51.8	2.27	0.131	0.05	0.033	<0.002	0.361	0.077	0.023	0.055	<0.005	<0.010	<0.001	<0.020	0.011	0.02	<0.0002
MH-15	Jun-05	0.94	<0.005	170	5.6	<0.005	41	3	0.2	<0.060	0.0062	<0.005	<0.200	<0.010	<0.025	<0.040	<0.010	<0.010	<0.010	<0.020	<0.050	<0.050	<0.0002
MH-15	Dec-07	0.95	<0.01	160	26	<0.01	41	2.8	0.28	<0.01	0.028	<0.01	<0.2	<0.01	<0.01	0.02	0.41	<0.01	<0.01	0.014	<0.01	<0.01	<0.0002
MH-15	Mar-08	0.44	<0.02	139	10	<0.02	34	1.9	<0.02	<0.02	<0.02	<0.02	0.09	<0.02	0.07	0.02	<0.02	<0.01	0.04	<0.02	<0.02	<0.02	<0.001

APPENDIX A

LABORATORY ANALYTICAL REPORT



1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569660 SAMPLE ID- MW-232S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1200
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	242. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	< 4. mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	6. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	31.6 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	292. mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



Continued
Syracuse, NY
Syracuse, NY

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Syracuse, NY 13210
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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569661 SAMPLE ID- MW-221S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	523. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	< 4. mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	25. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	0.33 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	53.9 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	650. mg/L

NYSDOH LAB ID NO. 11246

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C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569662 SAMPLE ID- MW-221D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1320
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	148. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMANDS	SM18 5210B	08/21/09	1534	CAW	4. mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	62. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	25. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	0.11 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	29.5 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	290. mg/L

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569664 SAMPLE ID- MW-304VS
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	396. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMANDS	SM18 5210B	08/21/09	1534	CAW	< 24. mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	838. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	10. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	34.3 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	2054. mg/L

NYSDOH LAB ID NO. 11246

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569663 SAMPLE ID- MW-304S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1345
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	432. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	5. mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	54. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	25. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	5.01 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	548. mg/L

NYSDOH LAB ID NO. 11246

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Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569665 SAMPLE ID- MW-304D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	380.	mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	< 4.	mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	45.	mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	15.	units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004	mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	< 0.05	mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	31.6	mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	474.	mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569666 SAMPLE ID- MW-312S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1400
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	257. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	< 12. mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	18. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	15. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	10.1 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	121. mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	550. mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569667 SAMPLE ID- MH-15
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1330
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	796. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	24. mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	153. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	35. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	< 5. mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	856. mg/L

NYSDOH LAB ID NO. 11246

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Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569668 SAMPLE ID- MH-7
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1330
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	174. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	< 6. mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	215. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	45. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	92.0 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	351. mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	1408. mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569669 SAMPLE ID- QC Dup (MS)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	*NA mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	101% mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	86% mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	*NA units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	107% mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	99% mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	96% mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	*NA mg/L

*NA - Not Applicable

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569670 SAMPLE ID- QC Dup (MSD)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	*NA mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	98% mg/L
CHLORIDE	SM18 4500B	08/31/09	1230	MM	88% mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	*NA units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	108% mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	97% mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	99% mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	*NA mg/L

*NA - Not Applicable

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569671 SAMPLE ID- SW-13
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1245
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	158. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	< 4. mg/L
CHLORIDE	SM18 4500B	09/01/09	0910	MM	34. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	80. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	0.40 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	38.1 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	292. mg/L

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569672 SAMPLE ID- SW-3
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1240
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	136.	mg/L CaCO ₃
BIOCHEMICAL OXYGEN DEMAND ₅	SM18 5210B	08/21/09	1534	CAW	< 4.	mg/L
CHLORIDE	SM18 4500B	09/01/09	0910	MM	55.	mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	60.	units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004	mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	0.60	mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	5.19	mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	266.	mg/L

NYSDOH LAB ID NO. 11246

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Laboratory Director

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REPORT OF ANALYSES

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569673 SAMPLE ID- SW-5
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1205
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	137. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	09/01/09	0910	MM	55. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	60. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	0.62 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	5.49 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	276. mg/L

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569674 SAMPLE ID- SW-8
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1225
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
ALKALINITY	SM18-2320B	08/27/09	1020	MM	136. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1534	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	09/01/09	0910	MM	53. mg/L
COLOR	SM18 2120B	08/21/09	1020	JDC	60. units
HEXAVALENT CHROMIUM	SM18 3500D	08/21/09	0955	MM	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/21/09	1530	JDC	0.60 mg/L
SULFATE	SM15-426C	08/22/09	1315	JDC	5.49 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	267. mg/L

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569445 SAMPLE ID- PZ-1A
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1525
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/19/09		RS	2.6	Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	218.	mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/19/09	1417	CAW	< 2.	mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	30.	mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2.	units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	< 0.004	mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	0.05	mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	166.	mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	572.	mg/L

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569446 SAMPLE ID- PZ-4
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/19/09		RS	2.6 Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	502. mg/L CaCO ₃
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/19/09	1417	CAW	< 4. mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	32. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	160. mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	844. mg/L

NYSDOH LAB ID NO. 11246

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Laboratory Director

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569447 SAMPLE ID- PZ-11
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/19/09		RS	2.6 Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	516. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/19/09	1417	CAW	< 12. mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	14. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	10. units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	59.4 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	672. mg/L

NYSDOH LAB ID NO. 11246

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Laboratory Director

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569448 SAMPLE ID- MW-3B
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/19/09		RS	2.6	Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	400.	mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/19/09	1417	CAW	< 2.	mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	64.	mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	5.	units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	< 0.004	mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	< 0.05	mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	55.8	mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	632.	mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569449 SAMPLE ID- MW-220
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1415
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/19/09		RS	2.6	Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	456.	mg/L CaCO3
BIOCHEMICAL OXYGEN DEMANDS	SM18 5210B	08/19/09	1417	CAW	< 4.	mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	18.	mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	5.	units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	< 0.004	mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	< 0.05	mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	178.	mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	800.	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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1401 Erie Blvd. East
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Fax 315-478-2107

REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569450 SAMPLE ID- MW-222
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1430
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/19/09		RS	2.6 Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	808. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/19/09	1417	CAW	< 12. mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	67. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	68.9 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	1078. mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569451 SAMPLE ID- MW-245S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/19/09		RS	2.6	Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	410.	mg/L CaCO3
BIOCHEMICAL OXYGEN DEMANDS	SM18 5210B	08/19/09	1417	CAW	< 4.	mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	86.	mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	10.	units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	< 0.004	mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	< 0.05	mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	152.	mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	822.	mg/L

NYSDOH LAB ID NO. 11246

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569452 SAMPLE ID- MW-245D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1355
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/19/09		RS	2.6 Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	350. mg/L CaCO ₃
BIOCHEMICAL OXYGEN DEMAND ₅	SM18 5210B	08/19/09	1417	CAW	< 4. mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	24. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	93.2 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	520. mg/L

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569453 SAMPLE ID- QC/DUPE MS
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

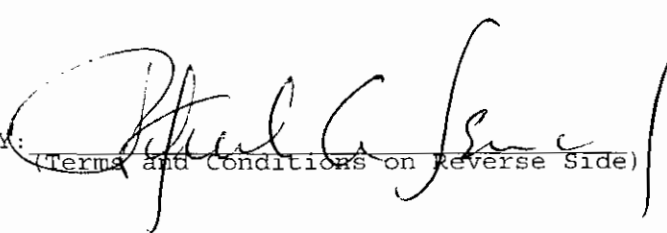
SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/19/09		RS	2.6 Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	*NA mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/19/09	1417	CAW	83% mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	92% mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	*NA units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	104% mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	98% mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	108% mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	*NA mg/L

*NA - Not Applicable

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569454 SAMPLE ID- QC/DUPE MSD
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/19/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0936 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

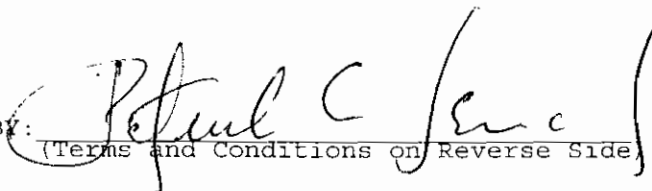
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/19/09		RS	2.6 Degrees C
ALKALINITY	SM18-2320B	08/20/09	1045	MM	*NA mg/L CaCO3
BIOCHEMICAL OXYGEN DEMANDS	SM18 5210B	08/19/09	1417	CAW	82% mg/L
CHLORIDE	SM18 4500B	08/21/09	1240	MM	84% mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	*NA units
HEXAVALENT CHROMIUM	SM18 3500D	08/19/09	1330	JDC	101% mg/L
NITRATE as N	SM18 4500E	08/19/09	1640	JDC	101% mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	115% mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/20/09	0900	MM	*NA mg/L

*NA - Not Applicable

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569621 SAMPLE ID- MW-230S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	152. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1016	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	53. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	36.0 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/21/09	1400	SJA	308. mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569622 SAMPLE ID- MW-230D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	135. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMANDS	SM18 5210B	08/21/09	1016	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	2. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	13.4 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	162. mg/L

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569623 SAMPLE ID- MW-223S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	496. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1016	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	7. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	37.6 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/21/09	1400	SJA	526. mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

C & S Engineers, Inc.
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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569624 SAMPLE ID- MW-223D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1405
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	108. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1016	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	8. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	0.07 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	49.0 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/25/09	1530	SJA	161. mg/L

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569625 SAMPLE ID- MW-234D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	168. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1016	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	36. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	77.2 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/21/09	1400	SJA	358. mg/L

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REPORT OF ANALYSES

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569626 SAMPLE ID- MW-233S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1435
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	314. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1016	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	2. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	10.4 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	59.4 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/21/09	1400	SJA	450. mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569627 SAMPLE ID- MW-303S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	428. mg/L CaCO ₃
BIOCHEMICAL OXYGEN DEMAND ₅	SM18 5210B	08/21/09	1016	CAW	6. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	40. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	5. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	0.08 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	< 5. mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/21/09	1400	SJA	494. mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569628 SAMPLE ID- MW-303D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	286. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1016	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	135. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	0.08 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	95.1 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/21/09	1400	SJA	618. mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569629 SAMPLE ID- MW-207SA
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	514. mg/L CaCO ₃
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1016	CAW	< 4. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	26. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	5. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	< 5. mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/21/09	1400	SJA	558. mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



08/20/09-744121

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569630 SAMPLE ID- MW-207D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/20/09 SAMPLER- Kevin Rowe/Ben Murphy
TIME RECEIVED- 0912 DELIVERED BY- Fed Ex

SAMPLE MATRIX- WW
TIME SAMPLED- 1520
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/20/09		RS	5.8 Degrees C
ALKALINITY	SM18-2320B	08/25/09	1045	MM	314. mg/L CaCO3
BIOCHEMICAL OXYGEN DEMAND5	SM18 5210B	08/21/09	1016	CAW	< 2. mg/L
CHLORIDE	SM18 4500B	08/25/09	0900	DG	17. mg/L
COLOR	SM18 2120B	08/20/09	1240	JDC	2. units
HEXAVALENT CHROMIUM	SM18 3500D	08/20/09	1125	JDC	< 0.004 mg/L
NITRATE as N	SM18 4500E	08/20/09	1545	JDC	< 0.05 mg/L
SULFATE	SM15-426C	08/22/09	0940	JDC	93.8 mg/L
TOTAL DISSOLVED SOLIDS	SM18-2540C	08/21/09	1400	SJA	517. mg/L

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569675 SAMPLE ID- MW-304VS
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0915
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	62. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.22 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	3.8 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	2.07 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569676 SAMPLE ID- MW-304S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0925
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	62. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.45 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	3.9 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	1.48 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569677 SAMPLE ID- MW-304D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0935
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	62. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	1.42 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.6 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	1.54 mg/L

Note: TOC analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569678 SAMPLE ID- MW-230S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.06 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	< 1. mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569679 SAMPLE ID- MW-230D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.08 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	< 1. mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

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Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569680 SAMPLE ID- MW-312S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1005
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.57 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	3.8 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	0.97 mg/L

Note: TOC analysis performed by ELAP #10248.

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569681 SAMPLE ID- QCDup(MS) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	97 % mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	107% mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	104% mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	104% mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569682 SAMPLE ID- QCDup(MSD) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	97 % mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	108% mg/L
TOTAL ORGANIC CARBON	EPA 415.1	09/02/09		LSL	111% mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	109% mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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REPORT OF ANALYSES

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/16/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569683 SAMPLE ID- QCDup(MS) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	98% mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	99% mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	93% mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	98% mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/16/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569684 .SAMPLE ID- QCDup(MSD) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	98% mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	101% mg/L
TOTAL ORGANIC CARBON	EPA 415.1	09/02/09		LSL	104% mg/L
TOTAL, KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	99% mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569685 SAMPLE ID- MW-223S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	9. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.08 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.8 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	0.53 mg/L

Note: TOC analysis performed by ELAP #10248.

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Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569686 SAMPLE ID- MW-223D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1405
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.36 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	1.7 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	0.58 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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REPORT OF ANALYSES

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569687 SAMPLE ID- MW-232S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0730
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.03 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.5 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

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REPORT OF ANALYSES

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569688 SAMPLE ID- MW-233S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1435
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.03 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	3.9 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569689 SAMPLE ID- MW-234D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.06 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	1.1 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/14/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569690 SAMPLE ID- MW-245S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy.

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.12 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.4 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	0.67 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569691 SAMPLE ID- MW-245D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1355
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	13. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	11.2 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	1.8 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	11.2 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569692 SAMPLE ID- MW-303S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

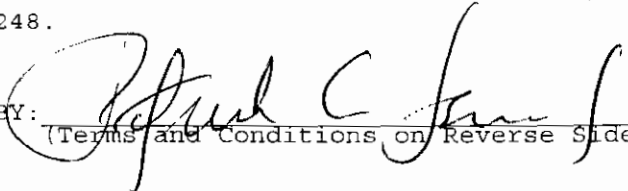
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/25/09	1145	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.86 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	3.8 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	1.85 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569693 SAMPLE ID- MW-303D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	56. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.58 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	1.4 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	0.73 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569694 SAMPLE ID- PZ-1A
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1525
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	12. mg/L
AMMONIA AS N	SM18 4500F	08/24/09	0840	JDC	0.10 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	< 1. mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/23/09	1500	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569695 SAMPLE ID- PZ-4
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	20. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.22 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	1.5 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	0.57 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569696 SAMPLE ID- PZ-11
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	28. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.37 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	3.9 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	0.95 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569697 SAMPLE ID- MW-3B
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	32. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	1.06 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.6 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	1.61 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569698 SAMPLE ID- MW-207SA
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	40. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.26 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	3.2 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	0.85 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569699 SAMPLE ID- MW-207D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1520
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	8. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.07 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.2 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569700 SAMPLE ID- MW-220
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1415
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	4. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.07 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.9 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569701 SAMPLE ID- MW-221S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0845
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	20. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.07 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.1 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	< 0.5 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569702 SAMPLE ID- MW-221D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0815
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	48. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.06 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	2.9 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	1.67 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569703 SAMPLE ID- MW-222
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1430
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	60. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	8.59 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	6.1 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	8.77 mg/L

Note: TOC analysis performed by ELAP #10248.

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569704 SAMPLE ID- SW-3
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1140
RECEIVED BY- RS
TYPE SAMPLE- Grab

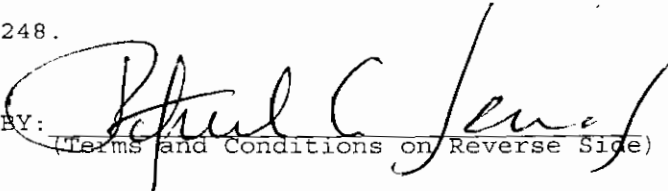
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	28. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.10 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	9.3 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	1.16 mg/L

Note: TOC analysis performed by ELAP #10248.

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569705 SAMPLE ID- SW-5
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1205
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	32. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.07 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	9.2 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	1.23 mg/L

Note: TOC analysis performed by ELAP #10248.

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569706 SAMPLE ID- SW-8
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1225
RECEIVED BY- RS
TYPE SAMPLE- Grab

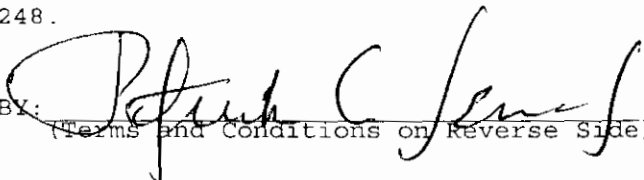
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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	32. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.07 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	9.2 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	1.33 mg/L

Note: TOC analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569707 SAMPLE ID- SW-13
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1125
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	40. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	0.07 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	12 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	0.89 mg/L

Note: TOC analysis performed by ELAP #10248.

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569708 SAMPLE ID- MH-7
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1050
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	132. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	45.2 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	19 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	49.4 mg/L

Note: TOC analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569709 SAMPLE ID- MH-15
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1030
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
CHEMICAL OXYGEN DEMAND	SM18 5220C	08/28/09	1515	CAW	132. mg/L
AMMONIA AS N	SM18 4500F	08/25/09	1130	JDC	64.4 mg/L
TOTAL ORGANIC CARBON	EPA 415.1	08/27/09		LSL	33 mg/L
TOTAL KJELDAHL NITROGEN	SM18-4500F	08/26/09	1020	JDC	67.3 mg/L

Note: TOC analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569745 SAMPLE ID- MW-304VS
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0915
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569746 SAMPLE ID- MW-304S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0925
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569747 SAMPLE ID- MW-304D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0935
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010 mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569748 SAMPLE ID- MW-230S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569749 SAMPLE ID- MW-230D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010 mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569750 SAMPLE ID- MW-312S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1005
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569751 SAMPLE ID- QCDup(MS) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	100% mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569752 SAMPLE ID- QCDup(MSD) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	106%	mg/L

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569753 SAMPLE ID- QCDup (MS) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	102% mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569754 SAMPLE ID- QCDup (MSD) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	100% mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569755 SAMPLE ID- MW-223S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569756 SAMPLE ID- MW-223D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1405
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569757 SAMPLE ID- MW-232S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

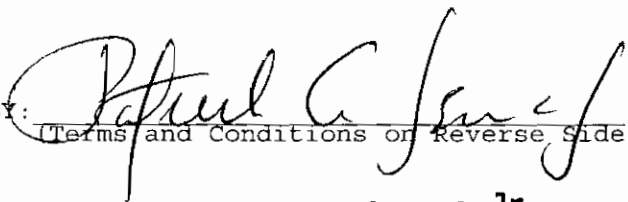
SAMPLE MATRIX- WW
TIME SAMPLED- 0730
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569758 SAMPLE ID- MW-233S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1435
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569759 SAMPLE ID- MW-234D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

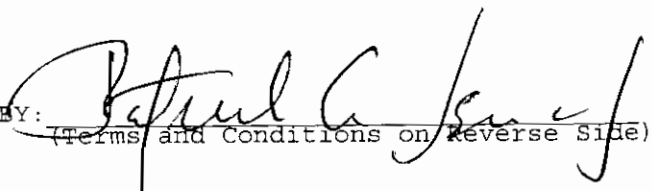
SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010 mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569760 SAMPLE ID- MW-245S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	< 0.010	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569761 SAMPLE ID- MW-245D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1355
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569762 SAMPLE ID- MW-303S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569763 SAMPLE ID- MW-303D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569764 SAMPLE ID- PZ-1A
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1525
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569765 SAMPLE ID- PZ-4
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569766 SAMPLE ID- PZ-11
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569767 SAMPLE ID- MW-3B
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

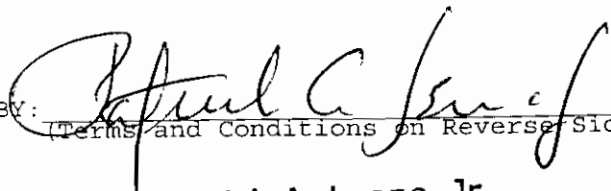
SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569768 SAMPLE ID- MW-207SA
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569769 SAMPLE ID- MW-207D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1520
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/26/09	0720	MM	< 0.010	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569770 SAMPLE ID- MW-220
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1415
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569771 SAMPLE ID- MW-221S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0845
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569772 SAMPLE ID- MW-221D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0815
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

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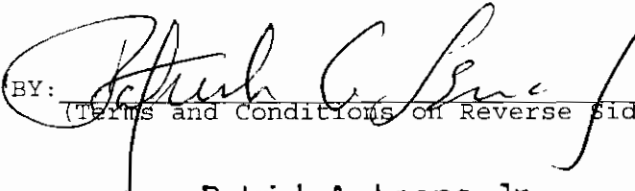
PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569773 SAMPLE ID- MW-222 SAMPLE MATRIX- WW
DATE SAMPLED- 08/18/09 TIME SAMPLED- 1430
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe RECEIVED BY- RS
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/24/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569774 SAMPLE ID- SW-3
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1140
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569775 SAMPLE ID- SW-5
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1205
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010 mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569776 SAMPLE ID- SW-8
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1225
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569777 SAMPLE ID- SW-13
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1125
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569778 SAMPLE ID- MH-7
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1050
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569779 SAMPLE ID- MH-15
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1030
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
TOTAL PHENOLS	EPA 420.1	08/28/09	0720	MM	< 0.010	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569710 SAMPLE ID- MW-304VS
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0915
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/04/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569711 SAMPLE ID- MW-304S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0925
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/04/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569712 SAMPLE ID- MW-304D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0935
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/04/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569713 SAMPLE ID- MW-230S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/04/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569714 SAMPLE ID- MW-230D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/04/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569715 SAMPLE ID- MW-312S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1005
RECEIVED BY- RS
TYPE SAMPLE- Grab

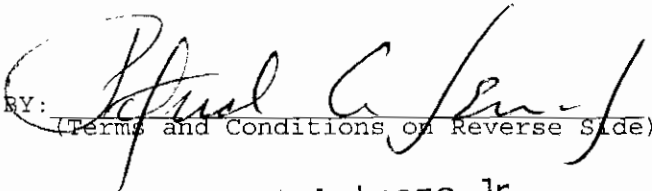
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/04/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569716 SAMPLE ID- QCDup (MS) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	109% mg/L

Note: Analysis performed by ELAP #10248.

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Laboratory Director

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569717 SAMPLE ID- QCDup(MSD) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	109% mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569718 SAMPLE ID- QCDup(MS) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	86% mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569719 SAMPLE ID- QCDup(MSD) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	90% mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569720 SAMPLE ID- MW-223S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

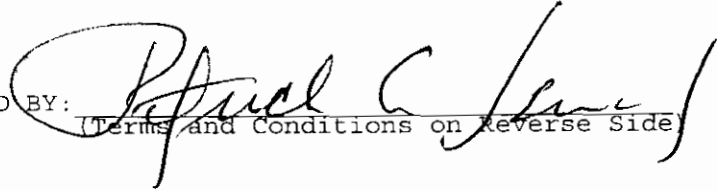
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569721 SAMPLE ID- MW-223D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1405
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569722 SAMPLE ID- MW-232S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0730
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569723 SAMPLE ID- MW-233S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1435
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569724 SAMPLE ID- MW-234D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	< 0.1	mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569725 SAMPLE ID- MW-245S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569726 SAMPLE ID- MW-245D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1355
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569727 SAMPLE ID- MW-303S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/05/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569728 SAMPLE ID- MW-303D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	1.5 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569729 SAMPLE ID- PZ-1A
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1525
RECEIVED BY- RS
TYPE SAMPLE- Grab

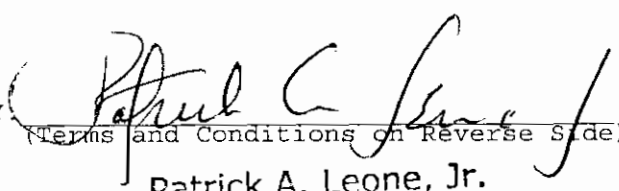
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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	< 0.1	mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569730 SAMPLE ID- PZ-4
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569731 SAMPLE ID- PZ-11
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569732 SAMPLE ID- MW-3B
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
BROMIDE	SM15 p.44	09/09/09		LSL	< 0.1	mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569733 SAMPLE ID- MW-207SA
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569734 SAMPLE ID- MW-207D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1520
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569735 SAMPLE ID- MW-220
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569736 SAMPLE ID- MW-221S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0845
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569737 SAMPLE ID- MW-221D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0815
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/08/09		LSL	0.68 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569738 SAMPLE ID- MW-222
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1430
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
BROMIDE	SM15 p.44	09/09/09		LSL	0.42	mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569739 SAMPLE ID- SW-3
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1140
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/09/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569740 SAMPLE ID- SW-5
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1205
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/09/09		LSL	< 0.1 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569741 SAMPLE ID- SW-8
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1225
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
BROMIDE	SM15 p.44	09/09/09		LSL	< 0.1	mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569742 SAMPLE ID- SW-13
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1125
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
BROMIDE	SM15 p.44	09/09/09		LSL	< 0.1	mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569743 SAMPLE ID- MH-7
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1050
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
BROMIDE	SM15 p.44	09/09/09		LSL	1.7 mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 09/11/2009

SAMPLE NUMBER- 569744 SAMPLE ID- MH-15
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1030
RECEIVED BY- RS
TYPE SAMPLE- Grab

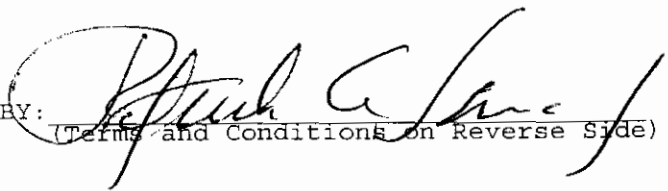
Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
BROMIDE	SM15 p.44	09/09/09		LSL	1.4	mg/L

Note: Analysis performed by ELAP #10248.

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569854 SAMPLE ID- MW-304VS
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0915
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569855 SAMPLE ID- MW-304S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0925
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005 mg/L	

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569856 SAMPLE ID- MW-304D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0935
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569857 SAMPLE ID- MW-230S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569858 SAMPLE ID- MW-230D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC	08/23/09	1800 JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569859 SAMPLE ID- MW-312S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1005
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569860 SAMPLE ID- QCDup(MS) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	111% mg/L	

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569861 SAMPLE ID- QCDup(MSD) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	101%	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569862 SAMPLE ID- QCDup (MS) (MS-221D)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/24/09	JDC 08/24/09	1945	JDC	117% mg/L	

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569863 SAMPLE ID- QCDup(MSD) (MS-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/24/09	JDC	08/24/09	1945 JDC	118%	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569864 SAMPLE ID- MW-223S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569865 SAMPLE ID- MW-223D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1405
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569866 SAMPLE ID- MW-232S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0730
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569867 SAMPLE ID- MW-233S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1435
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC	08/23/09	1800 JDC	< 0.005	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569868 SAMPLE ID- MW-234D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC	08/23/09	1800 JDC	< 0.005	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569869 SAMPLE ID- MW-245S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC	08/23/09	1800 JDC	< 0.005 mg/L	

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569870 SAMPLE ID- MW-245D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1355
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569871 SAMPLE ID- MW-303S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569872 SAMPLE ID- MW-303D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569873 SAMPLE ID- PZ-1A
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1525
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569874 SAMPLE ID- PZ-4
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005 mg/L	

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569875 SAMPLE ID- PZ-11
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569876 SAMPLE ID- MW-3B
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569877 SAMPLE ID- MW-207SA
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/23/09	JDC 08/23/09	1800	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569878 SAMPLE ID- MW-207D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1520
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/24/09	JDC	08/24/09	1945 JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569879 SAMPLE ID- MW-220
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1415
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/24/09	JDC 08/24/09	1945	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569880 SAMPLE ID- MW-221S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0845
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C
Total Cyanide	SM18-4500E	08/24/09	JDC 08/24/09	1945	JDC	< 0.005 mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569881 SAMPLE ID- MW-221D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0815
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/24/09	JDC 08/24/09	1945	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569882 SAMPLE ID- MW-222
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1430
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/24/09	JDC 08/24/09	1945	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569883 SAMPLE ID- SW-3
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1140
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/24/09	JDC 08/24/09	1945	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569884 SAMPLE ID- SW-5
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1205
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/24/09	JDC	08/24/09	1945 JDC	< 0.005	mg/L

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DATE: 08/31/2009

SAMPLE NUMBER- 569885 SAMPLE ID- SW-8
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 122
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/24/09	JDC 08/24/09	1945	JDC	< 0.005	mg/L

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



C & S
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1401 Erie Blvd. East
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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569886 SAMPLE ID- SW-13
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1125
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature			08/21/09		RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/24/09	JDC 08/24/09	1945	JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569887 SAMPLE ID- MH-7
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1050
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4 Degrees C	
Total Cyanide	SM18-4500E	08/24/09	JDC	08/24/09	1945 JDC	< 0.005 mg/L	

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 08/31/2009

SAMPLE NUMBER- 569888 SAMPLE ID- MH-15
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1030
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				08/21/09	RS	3.4	Degrees C
Total Cyanide	SM18-4500E	08/24/09	JDC	08/24/09	1945 JDC	< 0.005	mg/L

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569780 SAMPLE ID- MW-304VS
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0915
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/25/09	AG	09/04/09		AG	668.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/25/09	AG	08/28/09		AG	9.6	mg/L
Antimony, Total (Sb)	EPA 200.7	08/25/09	AG	08/31/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/25/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/25/09	AG	08/28/09		AG	0.23	mg/L
Beryllium, Total (Be)	EPA 200.7	08/25/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/25/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/25/09	AG	09/04/09		AG	225.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/25/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/25/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/25/09	AG	08/31/09		AG	0.05	mg/L
Iron, Total (Fe)	EPA 200.7	08/25/09	AG	08/31/09		AG	12.	mg/L
Lead, Total (Pb)	EPA 200.7	08/25/09	AG	08/31/09		AG	0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/25/09	AG	08/31/09		AG	26.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/25/09	AG	08/31/09		AG	4.5	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/25/09	AG	08/31/09		AG	0.03	mg/L
Potassium, Total (K)	EPA 200.7	08/25/09	AG	08/31/09		AG	5.8	mg/L
Selenium, Total (Se)	EPA 200.7	08/25/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/25/09	AG	08/31/09		AG	0.01	mg/L

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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569780

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Sodium, Total (Na)	EPA 200.7	08/25/09	AG 08/31/09		AG	357. mg/L
Thallium, Total (Tl)	EPA 200.7	08/25/09	AG 08/29/09		AG	0.07 mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/25/09	AG 08/31/09		AG	< 0.02 mg/L
Zinc, Total (Zn)	EPA 200.7	08/25/09	AG 08/31/09		AG	0.04 mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569781 SAMPLE ID- MW-304S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0925
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	481.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	13.	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.40	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	141.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.04	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.06	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	35.	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	31.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	3.3	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.04	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	5.8	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.01	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569781

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	08/31/09	AG	16.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09	AG	0.04	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	08/31/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09	AG	0.08	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569782 SAMPLE ID- MW-304D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0935
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	383.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.12	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.20	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	110.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	6.5	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	26.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.78	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	3.4	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.01	mg/L

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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569782

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	08/31/09	AG	25.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09	AG	< 0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	08/31/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09	AG	0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569783 SAMPLE ID- MW-230S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	244.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	2.5	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.10	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	77.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	3.5	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	13.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.36	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	1.6	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

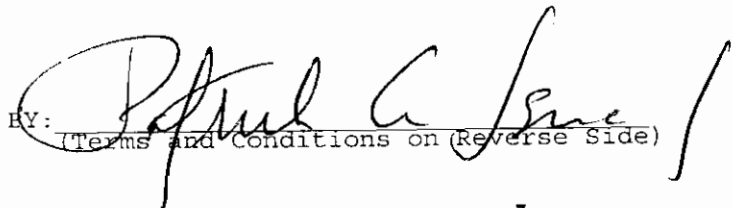
CONTINUATION OF DATA FOR SAMPLE NUMBER 569783

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG 08/31/09		AG	9.3	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG 08/29/09		AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG 08/31/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG 08/31/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:



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Patrick A. Leone, Jr.
Laboratory Director



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569784 SAMPLE ID- MW-230D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	93.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.43	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.06	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	27.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.50	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	6.1	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.13	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.82	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569784

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	08/31/09	AG	21.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09	AG	< 0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	08/31/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:



(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/30/2009

SAMPLE NUMBER- 569785 SAMPLE ID- MW-312S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1005
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	399.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.54	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.07	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	122.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	1.5	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	23.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.38	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	4.6	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.01	mg/L

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Page 2 of 2

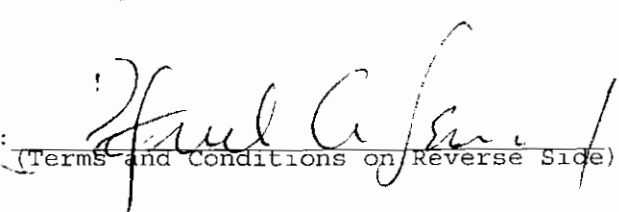
CONTINUATION OF DATA FOR SAMPLE NUMBER 569785

ANALYSIS	METHOD	SAMPLE DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	08/31/09		AG	10.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09		AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569786 SAMPLE ID- QCDup(MS) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	98%	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	*NA	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	92%	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	08/31/09		AG	82%	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	90%	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	92%	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	89%	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	104%	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	*NA	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	94%	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	91%	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	95%	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	89%	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	08/31/09		AG	104%	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	38%	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	84%	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830	DG	111%	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	93%	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	95%	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	74%	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	3.3%	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569786

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	08/31/09	AG	88%	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09	AG	91%	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	08/31/09	AG	94%	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09	AG	87%	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569787 SAMPLE ID- QCDup(MSD) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	99%	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	*NA	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	92%	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	08/31/09		AG	87%	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	91%	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	94%	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	90%	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	104%	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	*NA	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	93%	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	89%	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	93%	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	90%	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	08/31/09		AG	104%	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	36%	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	81%	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830	DG	111%	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	91%	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	95%	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	75%	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	4.2%	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569787

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	08/31/09	AG	85%	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09	AG	90%	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	08/31/09	AG	93%	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09	AG	83%	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:



(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569788 SAMPLE ID- QCDup(MS) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	96%	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	*NA	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	198%	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	09/03/09		AG	96%	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	86%	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	87%	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	67%	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	76%	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	*NA	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	71%	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	66%	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	69%	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	342%	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	09/03/09		AG	101%	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	220%	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	114%	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	117%	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	69%	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	113%	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	74%	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	11%	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569788

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG 08/31/09		AG	88%	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG 08/29/09		AG	89%	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG 09/02/09		AG	99%	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG 08/31/09		AG	72%	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:


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The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569789 SAMPLE ID- QCDup (MSD) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	95%	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	*NA	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	201%	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	09/03/09		AG	94%	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	90%	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	93%	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	76%	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	87%	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	*NA	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	81%	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	76%	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	91%	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	319%	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	09/03/09		AG	100%	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	216%	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	86%	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	122%	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	80%	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	126%	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	73%	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	13%	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

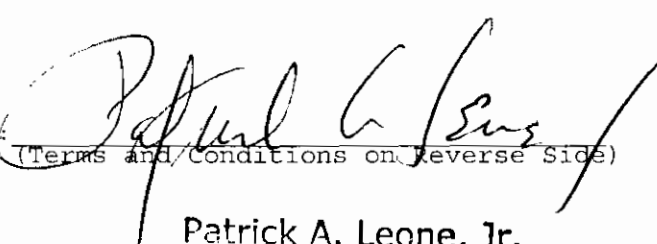
CONTINUATION OF DATA FOR SAMPLE NUMBER 569789

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG 08/31/09		AG	142%	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG 08/29/09		AG	93%	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG 09/02/09		AG	100%	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG 08/31/09		AG	81%	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:



(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569790 SAMPLE ID- MW-223S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	523.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.28	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.12	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	142.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.03	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.03	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	8.3	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	09/03/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	09/04/09		AG	41.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	2.0	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.05	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	1.7	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.15	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569790

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	09/22/09		ELS	16.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09		AG	0.04	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	09/02/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.05	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)



Patrick A. Leone, Jr.
Laboratory Director



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Fax 315-478-2107

REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569791 SAMPLE ID- MW-223D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1405
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	141.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.06	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.08	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	46.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.21	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	09/03/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	6.0	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.55	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	2.1	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569791

ANALYSIS	METHOD	SAMPLE PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	09/22/09		ELS	15.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09		AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	09/02/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569792 SAMPLE ID- MW-232S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0730
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	257.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.27	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.03	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.09	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	80.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	6.8	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	09/03/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	09/04/09		AG	14.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.75	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	1.4	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569792

ANALYSIS	METHOD	SAMPLE PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	08/31/09		AG	3.7	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09		AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	09/02/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569793 SAMPLE ID- MW-233S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1435
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/14/09		AG	372.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.30	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.07	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	108.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.35	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	25.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.35	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	1.6	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569793

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	1.6	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569794 SAMPLE ID- MW-234D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/14/09		AG	266.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.21	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.07	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	80.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.64	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	16.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.49	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	5.2	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569794

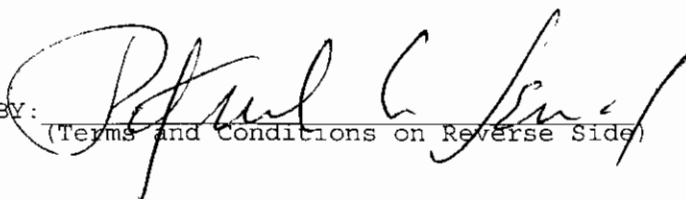
ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	19.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)



Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569795 SAMPLE ID- MW-245S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/14/09		AG	590.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	7.5	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.12	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	164.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	12.	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	44.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/01/09		AG	2.4	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	8.2	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

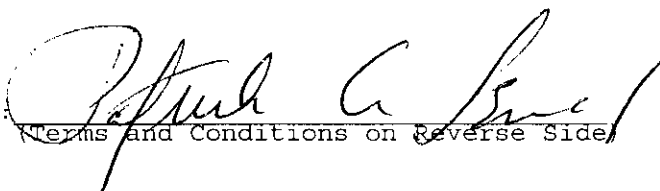
CONTINUATION OF DATA FOR SAMPLE NUMBER 569795

ANALYSIS	METHOD	SAMPLE DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	36.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.05	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:



Terms and Conditions on Reverse Side

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569796 SAMPLE ID- MW-245D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1355
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/14/09		AG	323.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.07	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.11	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	86.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.67	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	26.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.33	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	3.0	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569796

ANALYSIS	METHOD	SAMPLE DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	49.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569797 SAMPLE ID- MW-303S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	399.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	1.3	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.11	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	127.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	15.	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	20.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/01/09		AG	1.5	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	2.5	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.01	mg/L

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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569797

ANALYSIS	METHOD	SAMPLE DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	19.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.05	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY

Terms and Conditions on Reverse Side

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569798 SAMPLE ID- MW-303D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	0.36	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	189.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	4.6	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.06	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	43.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	8.1	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	20.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.03	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	5.6	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.01	mg/L

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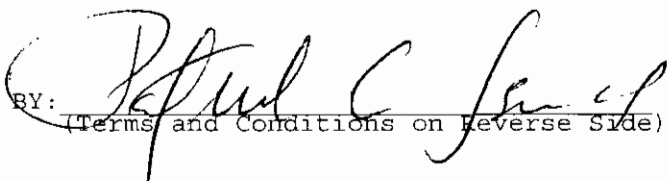
CONTINUATION OF DATA FOR SAMPLE NUMBER 569798

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	160.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/01/09	AG	0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/30/2009

SAMPLE NUMBER- 569799 SAMPLE ID- PZ-1A
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1525
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	382.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.22	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.04	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	110.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.37	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	08/31/09		AG	26.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.41	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	2.0	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

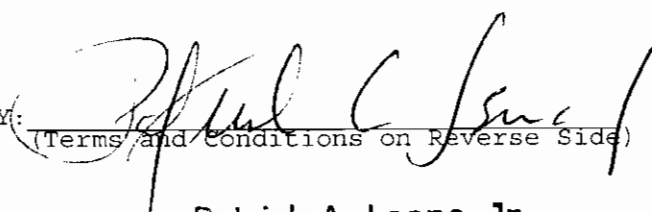
CONTINUATION OF DATA FOR SAMPLE NUMBER 569799

ANALYSIS	METHOD	SAMPLE DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	08/31/09		AG	17.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09		AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	09/02/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569800 SAMPLE ID- PZ-4
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	636.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.22	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.04	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	179.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.88	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	46.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/01/09		AG	1.3	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	4.2	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569800

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	22. mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02 mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02 mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/01/09	AG	0.04 mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569801 SAMPLE ID- PZ-11
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09	AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09	AG	538.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.24	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.07	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09	AG	164.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09	AG	8.2	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09	AG	31.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/03/09	AG	2.8	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830 DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09	ELS	3.7	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 2

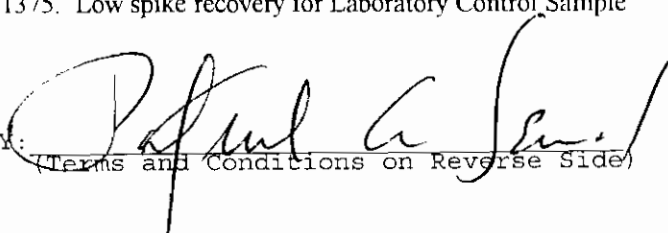
CONTINUATION OF DATA FOR SAMPLE NUMBER 569801

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	14.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.04	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.03	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569802 SAMPLE ID- MW-3B
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	0.13	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	399.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.31	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.20	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	117.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	1.0	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	26.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/01/09		AG	0.72	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	2.5	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/01/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569802

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	39.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/01/09	AG	0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569803 SAMPLE ID- MW-207SA
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	557.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	9.7	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.45	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	162.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.07	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	35.	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	37.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/03/09		AG	1.3	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	5.4	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

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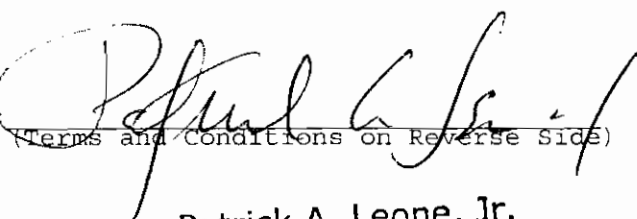
CONTINUATION OF DATA FOR SAMPLE NUMBER 569803

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	11.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.08	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:



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Patrick A. Leone, Jr.
Laboratory Director



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569804 SAMPLE ID- MW-207D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1520
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	397.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	3.2	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.10	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	116.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	6.7	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	26.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/03/09		AG	2.0	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	1.9	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569804

ANALYSIS	METHOD	SAMPLE PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	9.6	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.04	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569805 SAMPLE ID- MW-220
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1415
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY	DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	627.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	3.6	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.07	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	174.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	11.	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	47.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/03/09		AG	1.7	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	3.1	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569805

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	10.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569806 SAMPLE ID- MW-221S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0845
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	535.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	5.8	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.27	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	183.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	8.3	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	19.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.75	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	4.0	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569806

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	18.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.03	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/30/2009

SAMPLE NUMBER- 569807 SAMPLE ID- MW-221D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0815
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/02/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/26/09	AG	09/04/09		AG	193.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.41	mg/L
Antimony, Total (Sb)	EPA 200.7	08/26/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/26/09	AG	08/28/09		AG	0.06	mg/L
Beryllium, Total (Be)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/26/09	AG	09/04/09		AG	46.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/26/09	AG	08/31/09		AG	1.2	mg/L
Lead, Total (Pb)	EPA 200.7	08/26/09	AG	09/03/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/26/09	AG	09/04/09		AG	19.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/26/09	AG	08/31/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/26/09	AG	08/31/09		AG	4.2	mg/L
Selenium, Total (Se)	EPA 200.7	08/26/09	AG	08/28/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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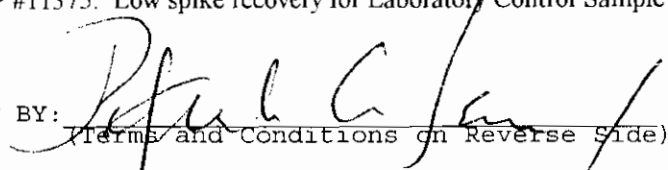
CONTINUATION OF DATA FOR SAMPLE NUMBER 569807

ANALYSIS	METHOD	SAMPLE PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/26/09	AG	09/23/09		ELS	15.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/26/09	AG	08/29/09		AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/26/09	AG	09/02/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/26/09	AG	08/31/09		AG	0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569808 SAMPLE ID- MW-222
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1430
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09	AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09	AG	800.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.06	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.47	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09	AG	220.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/10/09	AG	38.	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09	AG	61.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.66	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/24/09	0830 DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09	ELS	5.7	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569808

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	21.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09	AG	0.03	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

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APPROVED BY:



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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569809 SAMPLE ID- SW-3
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1140
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/04/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/15/09		AG	154.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.40	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.02	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/15/09		AG	40.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.85	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/15/09		AG	13.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/03/09		AG	0.12	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	2.0	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/03/09		AG	< 0.01	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569809

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	29.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/03/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569810 SAMPLE ID- SW-5
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1205
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/16/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/18/09		AG	159.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/16/09		AG	0.28	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/16/09		AG	0.02	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/18/09		AG	42.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/16/09		AG	0.79	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/18/09		AG	13.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/04/09		AG	0.11	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	1.9	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/04/09		AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569810

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	29.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/16/09	AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569811 SAMPLE ID- SW-8
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1225
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/16/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/18/09		AG	159.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/16/09		AG	0.26	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/16/09		AG	0.02	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/18/09		AG	42.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/16/09		AG	0.86	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/18/09		AG	13.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/04/09		AG	0.11	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	1.9	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

Page 2 of 2

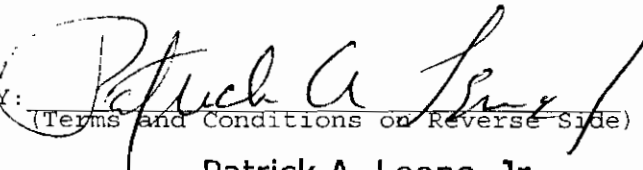
CONTINUATION OF DATA FOR SAMPLE NUMBER 569811

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	28.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium. Low spike recovery for Silver

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569812 SAMPLE ID- SW-13
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1125
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/16/09		AG	< 0.1	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/18/09		AG	172.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/18/09		AG	0.08	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/18/09		AG	0.03	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/18/09		AG	51.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/18/09		AG	0.80	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/18/09		AG	11.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/04/09		AG	0.11	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09		ELS	1.4	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/18/09		AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569812

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09	ELS	19.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/18/09	AG	0.02	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/16/09	AG	0.274	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569813 SAMPLE ID- MH-7
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1050
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/16/09	AG	0.32	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/18/09	AG	506.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/16/09	AG	< 0.02	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/16/09	AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/16/09	AG	0.03	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/18/09	AG	173.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/16/09	AG	0.15	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/18/09	AG	18.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/04/09	AG	1.1	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/04/09	AG	0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09	ELS	41.	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/16/09	AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/04/09	AG	0.01	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.

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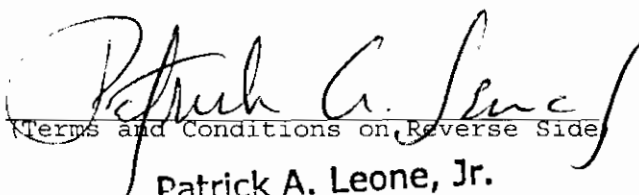
CONTINUATION OF DATA FOR SAMPLE NUMBER 569813

ANALYSIS	METHOD	SAMPLE PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	130.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/16/09		AG	0.05	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


Terms and Conditions on Reverse Side

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569814 SAMPLE ID- MH-15
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1030
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
BORON	EPA 200.7			09/16/09	AG	0.44	mg/L
Hardness	EPA 200.7	08/28/09	AG	09/18/09	AG	487.	mg/L
Aluminum, Total (Al)	EPA 200.7	08/28/09	AG	09/16/09	AG	< 0.02	mg/L
Antimony, Total (Sb)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Arsenic, Total (As)	EPA 200.7	08/28/09	AG	09/16/09	AG	< 0.02	mg/L
Barium, Total (Ba)	EPA 200.7	08/28/09	AG	09/16/09	AG	0.09	mg/L
Beryllium, Total (Be)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Cadmium, Total (Cd)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Calcium, Total (Ca)	EPA 200.7	08/28/09	AG	09/18/09	AG	139.	mg/L
Chromium, Total (Cr)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Cobalt, Total (Co)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.02	mg/L
Copper, Total (Cu)	EPA 200.7	08/28/09	AG	09/04/09	AG	0.02	mg/L
Iron, Total (Fe)	EPA 200.7	08/28/09	AG	09/16/09	AG	10.	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Magnesium, Total (Mg)	EPA 200.7	08/28/09	AG	09/18/09	AG	34.	mg/L
Manganese, Total (Mn)	EPA 200.7	08/28/09	AG	09/21/09	AG	1.9	mg/L
MERCURY, TOTAL (HG)	EPA 245.1			08/26/09	DG	< 0.001	mg/L
Nickel, Total (Ni)	EPA 200.7	08/28/09	AG	09/04/09	AG	0.02	mg/L
Potassium, Total (K)	EPA 200.7	08/28/09	AG	09/22/09	ELS	30.	mg/L
Selenium, Total (Se)	EPA 200.7	08/28/09	AG	09/16/09	AG	< 0.02	mg/L
Silver, Total (Ag)	EPA 200.7	08/28/09	AG	09/04/09	AG	< 0.01	mg/L

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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569814

ANALYSIS	METHOD	SAMPLE PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sodium, Total (Na)	EPA 200.7	08/28/09	AG	09/22/09		ELS	120.	mg/L
Thallium, Total (Tl)	EPA 200.7	08/28/09	AG	09/16/09		AG	0.04	mg/L
VANADIUM, TOTAL (V)	EPA 200.7	08/28/09	AG	09/16/09		AG	< 0.02	mg/L
Zinc, Total (Zn)	EPA 200.7	08/28/09	AG	09/04/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569889 SAMPLE ID- MW-304VS
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0915
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

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Page 2 of 3

CONTINUATION OF DATA FOR SAMPLE NUMBER 569889

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 5.0	ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 3.0	ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

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Page 3 of 3

CONTINUATION OF DATA FOR SAMPLE NUMBER 569889

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/31/09		RRE	< 1.0	ug/L
Idomethane	EPA 8260	08/31/09		RRE	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569890 SAMPLE ID- MW-304S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0925
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 3

CONTINUATION OF DATA FOR SAMPLE NUMBER 569890

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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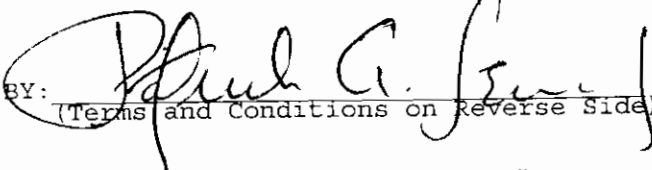
CONTINUATION OF DATA FOR SAMPLE NUMBER 569890

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569891 SAMPLE ID- MW-304D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0935
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
Acetone	EPA 8260	09/01/09		RRB	< 10.	ug/L
Benzene	EPA 8260	09/01/09		RRB	< 0.7	ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromoform	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromomethane	EPA 8260	09/01/09		RRB	< 2.0	ug/L
2-Butanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Chloroethane	EPA 8260	09/01/09		RRB	< 2.0	ug/L
Chloroform	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Chloromethane	EPA 8260	09/01/09		RRB	< 2.0	ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	< 2.0	ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569891

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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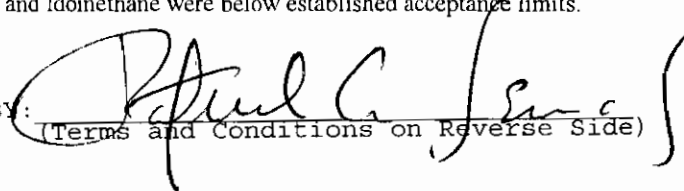
CONTINUATION OF DATA FOR SAMPLE NUMBER 569891

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569892 SAMPLE ID- MW-230S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569892

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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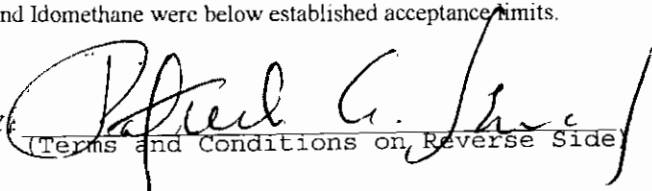
CONTINUATION OF DATA FOR SAMPLE NUMBER 569892

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569893 SAMPLE ID- MW-230D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569893

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569893

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569894 SAMPLE ID- MW-312S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1005
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
Acetone	EPA 8260	09/01/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/01/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569894

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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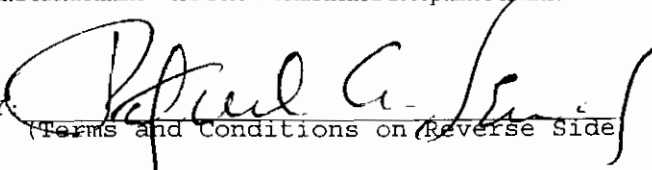
CONTINUATION OF DATA FOR SAMPLE NUMBER 569894

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569895 SAMPLE ID- QCDup(MS) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
Acrylonitrile	EPA 8260	08/27/09		RRB	106%	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
Acetone	EPA 8260	08/27/09		RRB	86%	ug/L
Benzene	EPA 8260	08/27/09		RRB	123%	ug/L
Bromodichloromethane	EPA 8260	08/27/09		RRB	107%	ug/L
Bromoform	EPA 8260	08/27/09		RRB	99%	ug/L
Bromomethane	EPA 8260	08/27/09		RRB	104%	ug/L
2-Butanone	EPA 8260	08/27/09		RRB	94%	ug/L
Carbon Disulfide	EPA 8260	08/27/09		RRB	102%	ug/L
Carbon Tetrachloride	EPA 8260	08/27/09		RRB	114%	ug/L
Chlorobenzene	EPA 8260	08/27/09		RRB	103%	ug/L
Chloroethane	EPA 8260	08/27/09		RRB	104%	ug/L
Chloroform	EPA 8260	08/27/09		RRB	102%	ug/L
Chloromethane	EPA 8260	08/27/09		RRB	110%	ug/L
2-Chloroethylvinylether	EPA 8260	08/27/09		RRB	4%	ug/L
Dibromochloromethane	EPA 8260	08/27/09		RRB	97%	ug/L
Dichlorodifluoromethane	EPA 8260	08/27/09		RRB	111%	ug/L
1,1-Dichloroethane	EPA 8260	08/27/09		RRB	104%	ug/L
1,2-Dichloroethane	EPA 8260	08/27/09		RRB	95%	ug/L
1,1-Dichloroethene	EPA 8260	08/27/09		RRB	97%	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569895

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	114%	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	99%	ug/L
1,2-Dichloropropane	EPA 8260	08/27/09		RRB	99%	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	90%	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	88%	ug/L
Ethylbenzene	EPA 8260	08/27/09		RRB	103%	ug/L
2-Hexanone	EPA 8260	08/27/09		RRB	100%	ug/L
Methylene Chloride	EPA 8260	08/27/09		RRB	71%	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/27/09		RRB	91%	ug/L
Styrene	EPA 8260	08/27/09		RRB	100%	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	101%	ug/L
Tetrachloroethene	EPA 8260	08/27/09		RRB	107%	ug/L
Toluene	EPA 8260	08/27/09		RRB	100%	ug/L
1,1,1-Trichloroethane	EPA 8260	08/27/09		RRB	101%	ug/L
1,1,2-Trichloroethane	EPA 8260	08/27/09		RRB	98%	ug/L
Trichlorofluoromethane	EPA 8260	08/27/09		RRB	103%	ug/L
Trichloroethene	EPA 8260	08/27/09		RRB	117%	ug/L
Vinyl Acetate	EPA 8260	08/27/09		RRB	20%	ug/L
Vinyl Chloride	EPA 8260	08/27/09		RRB	106%	ug/L
Total Xylenes	EPA 8260	08/27/09		RRB	102%	ug/L
1,3-Dichlorobenzene	EPA 8260	08/27/09		RRB	97%	ug/L
1,4-Dichlorobenzene	EPA 8260	08/27/09		RRB	96%	ug/L
1,2-Dichlorobenzene	EPA 8260	08/27/09		RRB	98%	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/27/09		RRB	83%	ug/L
1,2-Dibromoethane	EPA 8260	08/27/09		RRB	85%	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/27/09		RRB	96%	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	93%	ug/L
1,2,3-Trichloropropane	EPA 8260	08/27/09		RRB	99%	ug/L
Bromochloromethane	EPA 8260	08/27/09		RRB	101%	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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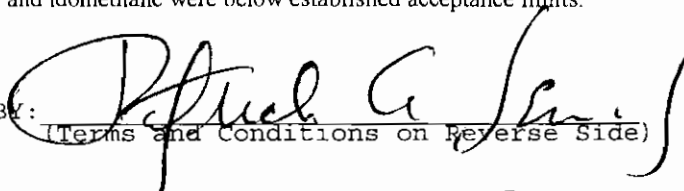
CONTINUATION OF DATA FOR SAMPLE NUMBER 569895

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/27/09		RRB	89%	ug/L
Idomethane	EPA 8260	08/27/09		RRB	100%	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569896 SAMPLE ID- QCDup(MSD) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/27/09		RRB	111% ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB	
Acetone	EPA 8260	08/27/09		RRB	90% ug/L
Benzene	EPA 8260	08/27/09		RRB	125% ug/L
Bromodichloromethane	EPA 8260	08/27/09		RRB	107% ug/L
Bromoform	EPA 8260	08/27/09		RRB	102% ug/L
Bromomethane	EPA 8260	08/27/09		RRB	112% ug/L
2-Butanone	EPA 8260	08/27/09		RRB	99% ug/L
Carbon Disulfide	EPA 8260	08/27/09		RRB	105% ug/L
Carbon Tetrachloride	EPA 8260	08/27/09		RRB	115% ug/L
Chlorobenzene	EPA 8260	08/27/09		RRB	106% ug/L
Chloroethane	EPA 8260	08/27/09		RRB	110% ug/L
Chloroform	EPA 8260	08/27/09		RRB	104% ug/L
Chloromethane	EPA 8260	08/27/09		RRB	113% ug/L
2-Chloroethylvinylether	EPA 8260	08/27/09		RRB	1% ug/L
Dibromochloromethane	EPA 8260	08/27/09		RRB	103% ug/L
Dichlorodifluoromethane	EPA 8260	08/27/09		RRB	111% ug/L
1,1-Dichloroethane	EPA 8260	08/27/09		RRB	106% ug/L
1,2-Dichloroethane	EPA 8260	08/27/09		RRB	99% ug/L
1,1-Dichloroethene	EPA 8260	08/27/09		RRB	100% ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569896

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	111%	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	100%	ug/L
1,2-Dichloropropane	EPA 8260	08/27/09		RRB	103%	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	93%	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	92%	ug/L
Ethylbenzene	EPA 8260	08/27/09		RRB	107%	ug/L
2-Hexanone	EPA 8260	08/27/09		RRB	110%	ug/L
Methylene Chloride	EPA 8260	08/27/09		RRB	75%	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/27/09		RRB	98%	ug/L
Styrene	EPA 8260	08/27/09		RRB	106%	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	106%	ug/L
Tetrachloroethene	EPA 8260	08/27/09		RRB	110%	ug/L
Toluene	EPA 8260	08/27/09		RRB	104%	ug/L
1,1,1-Trichloroethane	EPA 8260	08/27/09		RRB	104%	ug/L
1,1,2-Trichloroethane	EPA 8260	08/27/09		RRB	103%	ug/L
Trichlorofluoromethane	EPA 8260	08/27/09		RRB	104%	ug/L
Trichloroethene	EPA 8260	08/27/09		RRB	118%	ug/L
Vinyl Acetate	EPA 8260	08/27/09		RRB	18%	ug/L
Vinyl Chloride	EPA 8260	08/27/09		RRB	108%	ug/L
Total Xylenes	EPA 8260	08/27/09		RRB	106%	ug/L
1,3-Dichlorobenzene	EPA 8260	08/27/09		RRB	101%	ug/L
1,4-Dichlorobenzene	EPA 8260	08/27/09		RRB	100%	ug/L
1,2-Dichlorobenzene	EPA 8260	08/27/09		RRB	102%	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/27/09		RRB	97%	ug/L
1,2-Dibromoethane	EPA 8260	08/27/09		RRB	89%	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/27/09		RRB	95%	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	97%	ug/L
1,2,3-Trichloropropane	EPA 8260	08/27/09		RRB	103%	ug/L
Bromochloromethane	EPA 8260	08/27/09		RRB	106%	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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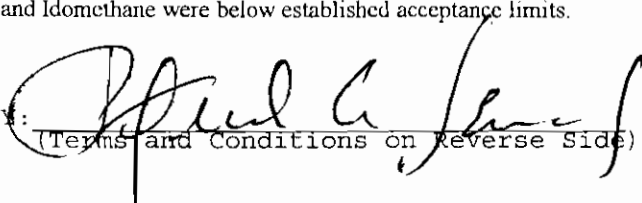
CONTINUATION OF DATA FOR SAMPLE NUMBER 569896

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	08/27/09		RRB	95% ug/L
Idomethane	EPA 8260	08/27/09		RRB	105% ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569897 SAMPLE ID- QCDup(MS) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	111%	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
Acetone	EPA 8260	09/01/09		RRB	81%	ug/L
Benzene	EPA 8260	09/01/09		RRB	121%	ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	109%	ug/L
Bromoform	EPA 8260	09/01/09		RRB	103%	ug/L
Bromomethane	EPA 8260	09/01/09		RRB	108%	ug/L
2-Butanone	EPA 8260	09/01/09		RRB	96%	ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	109%	ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	115%	ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	106%	ug/L
Chloroethane	EPA 8260	09/01/09		RRB	99%	ug/L
Chloroform	EPA 8260	09/01/09		RRB	104%	ug/L
Chloromethane	EPA 8260	09/01/09		RRB	115%	ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	*NA	ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	98%	ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	106%	ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	80%	ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	93%	ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	94%	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569897

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	85%	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	92%	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	86%	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	89%	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	88%	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	101%	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	97%	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	96%	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	91%	ug/L
Styrene	EPA 8260	09/01/09		RRB	101%	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	108%	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	108%	ug/L
Toluene	EPA 8260	09/01/09		RRB	98%	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	93%	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	96%	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	107%	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	116%	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	23%	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	104%	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	101%	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	105%	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	102%	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	105%	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	96%	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	93%	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	110%	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	108%	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	106%	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	108%	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569897

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	89%	ug/L
Idomethane	EPA 8260	09/01/09		RRB	100%	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
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North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569898 SAMPLE ID- QCDup(MSD) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	122% ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
Acetone	EPA 8260	09/01/09		RRB	97% ug/L
Benzene	EPA 8260	09/01/09		RRB	124% ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	114% ug/L
Bromoform	EPA 8260	09/01/09		RRB	107% ug/L
Bromomethane	EPA 8260	09/01/09		RRB	115% ug/L
2-Butanone	EPA 8260	09/01/09		RRB	98% ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	112% ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	118% ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	109% ug/L
Chloroethane	EPA 8260	09/01/09		RRB	102% ug/L
Chloroform	EPA 8260	09/01/09		RRB	109% ug/L
Chloromethane	EPA 8260	09/01/09		RRB	121% ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	*NA ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	101% ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	113% ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	86% ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	99% ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	99% ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569898

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	91%	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	97%	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	92%	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	89%	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	91%	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	105%	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	104%	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	103%	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	92%	ug/L
Styrene	EPA 8260	09/01/09		RRB	106%	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	112%	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	112%	ug/L
Toluene	EPA 8260	09/01/09		RRB	102%	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	94%	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	101%	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	112%	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	119%	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	20%	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	110%	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	106%	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	107%	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	106%	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	106%	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	90%	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	96%	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	115%	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	112%	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	113%	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	114%	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569898

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	97% ug/L
Idomethane	EPA 8260	09/01/09		RRB	101% ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569899 SAMPLE ID- MW-223S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
Acetone	EPA 8260	09/01/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/01/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569899

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569899

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits. Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569900 SAMPLE ID- MW-223D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1405
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
Acetone	EPA 8260	09/01/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/01/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569900

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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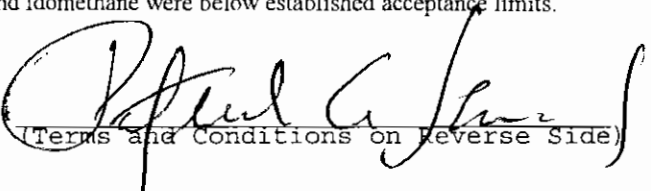
CONTINUATION OF DATA FOR SAMPLE NUMBER 569900

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Idomethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569901 SAMPLE ID- MW-232S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0730
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
Acetone	EPA 8260	09/01/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/01/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569901

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Styrene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569901

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits. Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569902 SAMPLE ID- MW-233S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1435
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569902

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569902

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569903 SAMPLE ID- MW-234D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569903

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569903

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Idomethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569904 SAMPLE ID- MW-245S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/27/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB	
Acetone	EPA 8260	08/27/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/27/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569904

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/27/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/27/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/27/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569904

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569905 SAMPLE ID- MW-245D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		08/21/09		RS	3.4	Degrees C
Acrylonitrile	EPA 8260	08/27/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
Acetone	EPA 8260	08/27/09		RRB	< 10.	ug/L
Benzene	EPA 8260	08/27/09		RRB	< 0.7	ug/L
Bromodichloromethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Bromoform	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Bromomethane	EPA 8260	08/27/09		RRB	< 2.0	ug/L
2-Butanone	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Carbon Disulfide	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Carbon Tetrachloride	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Chlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Chloroethane	EPA 8260	08/27/09		RRB	< 2.0	ug/L
Chloroform	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Chloromethane	EPA 8260	08/27/09		RRB	< 2.0	ug/L
2-Chloroethylvinylether	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Dibromochloromethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Dichlorodifluoromethane	EPA 8260	08/27/09		RRB	< 2.0	ug/L
1,1-Dichloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dichloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569905

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	08/27/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Styrene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Vinyl Acetate	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Vinyl Chloride	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Total Xylenes	EPA 8260	08/27/09		RRB	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,2-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB	
1,2-Dibromo-3-Chloropropane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/27/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB	
1,1,1,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569905

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569906 SAMPLE ID- MW-303S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/27/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB	
Acetone	EPA 8260	08/27/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/27/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569906

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/27/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/27/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/27/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569906

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569907 SAMPLE ID- MW-303D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/28/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	
Acetone	EPA 8260	08/28/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/28/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569907

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	08/28/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Styrene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Vinyl Acetate	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Vinyl Chloride	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Total Xylenes	EPA 8260	08/28/09		RRB	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	
1,2-Dibromo-3-Chloropropane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/28/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	
1,1,1,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569907

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569908 SAMPLE ID- PZ-1A
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1525
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/27/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB	
Acetone	EPA 8260	08/27/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/27/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/27/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/27/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/27/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569908

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/27/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/27/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/27/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/27/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/27/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/27/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569908

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/27/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/18/2009

SAMPLE NUMBER- 569909 SAMPLE ID- PZ-4
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/28/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	
Acetone	EPA 8260	08/28/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/28/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569909

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/28/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/28/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/28/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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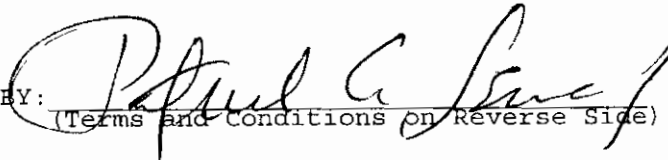
CONTINUATION OF DATA FOR SAMPLE NUMBER 569909

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569910 SAMPLE ID- PZ-11
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/28/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	
Acetone	EPA 8260	08/28/09		RRB	11 ug/L
Benzene	EPA 8260	08/28/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569910

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/28/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/28/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/28/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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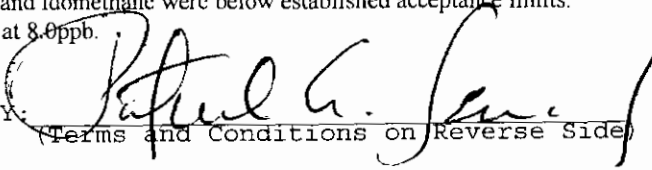
CONTINUATION OF DATA FOR SAMPLE NUMBER 569910

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low. Acetone in Method Blank at 8.0ppb.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569911 SAMPLE ID- MW-3B
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/28/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	
Acetone	EPA 8260	08/28/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/28/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569911

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	08/28/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Styrene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Vinyl Acetate	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Vinyl Chloride	EPA 8260	08/28/09		RRB	< 3.0 ug/L
Total Xylenes	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,3-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dibromo-3-Chloropropane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1,1,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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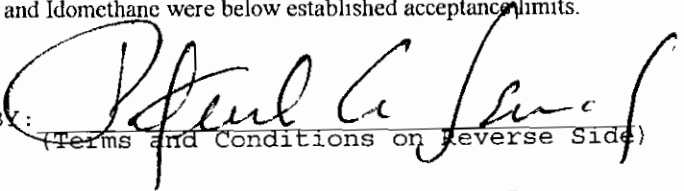
CONTINUATION OF DATA FOR SAMPLE NUMBER 569911

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569912 SAMPLE ID- MW-207SA
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	14 ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569912

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569912

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low. Acetone in Method Blank at 8.0ppb

NYSDOH LAB ID NO. 11246

APPROVED BY

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569913 SAMPLE ID- MW-207D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1520
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569913

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569913

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/31/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569914 SAMPLE ID- MW-220
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1415
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/28/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB	
Acetone	EPA 8260	08/28/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/28/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/28/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/28/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/28/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569914

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/28/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/28/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/28/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/28/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/28/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/28/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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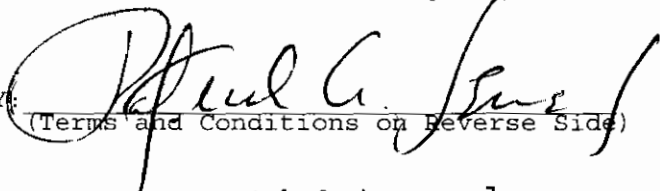
CONTINUATION OF DATA FOR SAMPLE NUMBER 569914

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	08/28/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569915 SAMPLE ID- MW-221S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0845
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
Acetone	EPA 8260	09/01/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/01/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569915

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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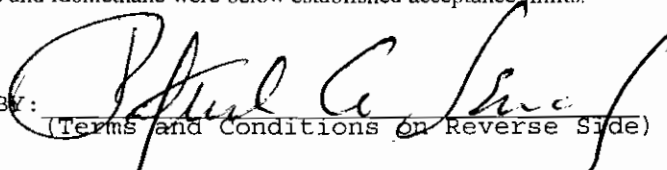
CONTINUATION OF DATA FOR SAMPLE NUMBER 569915

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569916 SAMPLE ID- MW-221D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0815
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
Acetone	EPA 8260	09/01/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/01/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569916

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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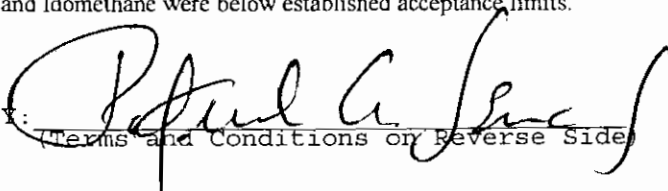
CONTINUATION OF DATA FOR SAMPLE NUMBER 569916

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Idomethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569917 SAMPLE ID- MW-222
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1430
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
Acetone	EPA 8260	08/31/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/31/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/31/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569917

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	08/31/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Styrene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Vinyl Acetate	EPA 8260	08/31/09		RRB	< 5.0 ug/L
Vinyl Chloride	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Total Xylenes	EPA 8260	08/31/09		RRB	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dichlorobenzene	EPA 8260	08/31/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
1,2-Dibromo-3-Chloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/31/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/31/09		RRB	
1,1,1,2-Tetrachloroethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569917

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L
Idomethane	EPA 8260	08/31/09		RRB	< 1.0 ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569918 SAMPLE ID- SW-3
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1140
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/01/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	
Acetone	EPA 8260	09/01/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/01/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/01/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/01/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/01/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569918

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/01/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Styrene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Vinyl Acetate	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Vinyl Chloride	EPA 8260	09/01/09		RRB	< 3.0	ug/L
Total Xylenes	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dibromo-3-Chloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/01/09		RRB	< 5.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/01/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569918

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/01/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569919 SAMPLE ID- SW-5
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1205
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/02/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB	
Acetone	EPA 8260	09/02/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/02/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569919

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/02/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/02/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/02/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569919

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569920 SAMPLE ID- SW-8
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1225
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/02/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB	
Acetone	EPA 8260	09/02/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/02/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569920

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/02/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/02/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/02/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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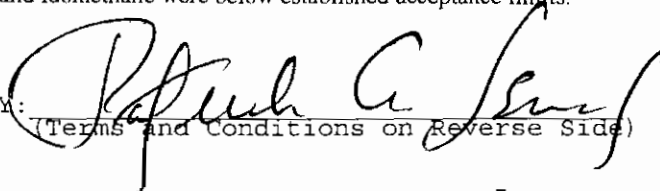
CONTINUATION OF DATA FOR SAMPLE NUMBER 569920

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Idomethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569921 SAMPLE ID- SW-13
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1125
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/02/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB	
Acetone	EPA 8260	09/02/09		RRB	< 10. ug/L
Benzene	EPA 8260	09/02/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569921

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/02/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/02/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/02/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569921

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569922 SAMPLE ID- MH-7
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1050
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/02/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB	
Acetone	EPA 8260	09/02/09		RRB	10. ug/L
Benzene	EPA 8260	09/02/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569922

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	09/02/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone✓	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	09/02/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	09/02/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene✓	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/02/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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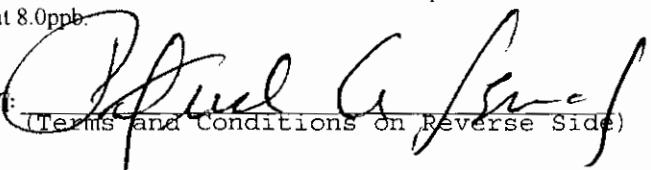
CONTINUATION OF DATA FOR SAMPLE NUMBER 569922

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Idomethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits. Results for these analyte may be biased low. Acetone in Method Blank at 8.0ppb.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569923 SAMPLE ID- MH-15
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1030
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	09/02/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB	
Acetone	EPA 8260	09/02/09		RRB	11. ug/L
Benzene	EPA 8260	09/02/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	09/02/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 3

CONTINUATION OF DATA FOR SAMPLE NUMBER 569923

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
cis-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
trans-1,2-Dichloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,2-Dichloropropane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
cis-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
trans-1,3-Dichloropropene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Ethylbenzene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
2-Hexanone	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Methylene Chloride	EPA 8260	09/02/09		RRB	< 5.0 ug/L
4-Methyl-2-Pentanone	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Styrene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Tetrachloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Toluene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,1,1-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,1,2-Trichloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Trichlorofluoromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Trichloroethene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Vinyl Acetate	EPA 8260	09/02/09		RRB	< 5.0 ug/L
Vinyl Chloride	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Total Xylenes	EPA 8260	09/02/09		RRB	< 3.0 ug/L
1,3-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,4-Dichlorobenzene	EPA 8260	09/02/09		RRB	3.4 ug/L
1,2-Dichlorobenzene	EPA 8260	09/02/09		RRB	< 1.0 ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB	
1,2-Dibromo-3-Chloropropane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,2-Dibromoethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	09/02/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	09/02/09		RRB	
1,1,1,2-Tetrachloroethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
1,2,3-Trichloropropane	EPA 8260	09/02/09		RRB	< 1.0 ug/L
Bromochloromethane	EPA 8260	09/02/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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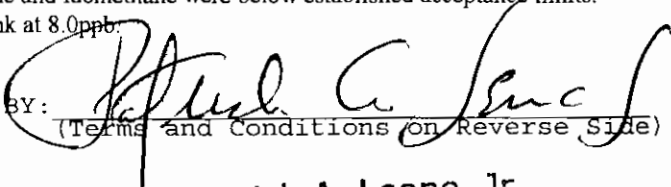
CONTINUATION OF DATA FOR SAMPLE NUMBER 569923

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Dibromomethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L
Idomethane	EPA 8260	09/02/09		RRB	< 1.0	ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits. Results for these analyte may be biased low. Acetone in Method Blank at 8.0ppb.

NYSDOH LAB ID NO. 11246

APPROVED BY:


(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

DATE: 09/18/2009

PROJECT NAME: Orange County Landfill

SAMPLE NUMBER- 569924 SAMPLE ID- Trip Blank
DATE SAMPLED- 08/14/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WA

RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 3

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Sample Receipt Temperature		08/21/09		RS	3.4 Degrees C
Acrylonitrile	EPA 8260	08/26/09		RRB	< 5.0 ug/L
EPA 8260 Scan	EPA 8260	08/26/09		RRB	
Acetone	EPA 8260	08/26/09		RRB	< 10. ug/L
Benzene	EPA 8260	08/26/09		RRB	< 0.7 ug/L
Bromodichloromethane	EPA 8260	08/26/09		RRB	< 1.0 ug/L
Bromoform	EPA 8260	08/26/09		RRB	< 1.0 ug/L
Bromomethane	EPA 8260	08/26/09		RRB	< 2.0 ug/L
2-Butanone	EPA 8260	08/26/09		RRB	< 5.0 ug/L
Carbon Disulfide	EPA 8260	08/26/09		RRB	< 1.0 ug/L
Carbon Tetrachloride	EPA 8260	08/26/09		RRB	< 1.0 ug/L
Chlorobenzene	EPA 8260	08/26/09		RRB	< 1.0 ug/L
Chloroethane	EPA 8260	08/26/09		RRB	< 2.0 ug/L
Chloroform	EPA 8260	08/26/09		RRB	< 1.0 ug/L
Chloromethane	EPA 8260	08/26/09		RRB	< 2.0 ug/L
2-Chloroethylvinylether	EPA 8260	08/26/09		RRB	< 5.0 ug/L
Dibromochloromethane	EPA 8260	08/26/09		RRB	< 1.0 ug/L
Dichlorodifluoromethane	EPA 8260	08/26/09		RRB	< 2.0 ug/L
1,1-Dichloroethane	EPA 8260	08/26/09		RRB	< 1.0 ug/L
1,2-Dichloroethane	EPA 8260	08/26/09		RRB	< 1.0 ug/L
1,1-Dichloroethene	EPA 8260	08/26/09		RRB	< 1.0 ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569924

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
cis-1,2-Dichloroethene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
trans-1,2-Dichloroethene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
1,2-Dichloropropane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
cis-1,3-Dichloropropene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
trans-1,3-Dichloropropene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Ethylbenzene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
2-Hexanone	EPA 8260	08/26/09		RRB	< 5.0	ug/L
Methylene Chloride	EPA 8260	08/26/09		RRB	< 5.0	ug/L
4-Methyl-2-Pentanone	EPA 8260	08/26/09		RRB	< 5.0	ug/L
Styrene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Tetrachloroethene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Toluene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
1,1,1-Trichloroethane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
1,1,2-Trichloroethane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Trichlorofluoromethane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Trichloroethene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Vinyl Acetate	EPA 8260	08/26/09		RRB	< 5.0	ug/L
Vinyl Chloride	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Total Xylenes	EPA 8260	08/26/09		RRB	< 3.0	ug/L
1,3-Dichlorobenzene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
1,4-Dichlorobenzene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
1,2-Dichlorobenzene	EPA 8260	08/26/09		RRB	< 1.0	ug/L
EPA 8260 Scan	EPA 8260	08/26/09		RRB		
1,2-Dibromo-3-Chloropropane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
1,2-Dibromoethane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Trans-1,4-Dichloro-2-butene	EPA 8260	08/26/09		RRB	< 5.0	ug/L
EPA 8260 Scan	EPA 8260	08/26/09		RRB		
1,1,1,2-Tetrachloroethane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
1,2,3-Trichloropropane	EPA 8260	08/26/09		RRB	< 1.0	ug/L
Bromochloromethane	EPA 8260	08/26/09		RRB	< 1.0	ug/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 3 of 3

CONTINUATION OF DATA FOR SAMPLE NUMBER 569924

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT UNITS
Dibromomethane	EPA 8260	08/26/09		RRB	< 1.0 ug/L
Idomethane	EPA 8260	08/26/09		RRB	< 1.0 ug/L

Note: Continuing calibration recoveries for Vinyl Acetate, 2-Hexanone and Idomethane were below established acceptance limits.
Results for these analyte may be biased low.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leona, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569825 SAMPLE ID- MW-304VS
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0915
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.13	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/28/09	AG	09/15/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.17	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	187.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.21	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	23.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/28/09	AG	09/14/09		AG	4.0	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	3.6	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	400.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



2009.09.15
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CONTINUATION OF DATA FOR SAMPLE NUMBER 569825

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	0.03	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569826 SAMPLE ID- MW-304S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0925
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/28/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/28/09	AG	09/15/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.29	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	120.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/28/09	AG	09/15/09		AG	8.7	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	23.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/28/09	AG	09/14/09		AG	2.4	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.2	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	15.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569826

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569827 SAMPLE ID- MW-304D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0935
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/28/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/28/09	AG	09/15/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.18	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	102.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/28/09	AG	09/15/09		AG	4.9	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	25.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/28/09	AG	09/14/09		AG	0.68	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	3.1	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	25.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569827

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569828 SAMPLE ID- MW-230S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09	AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/28/09	AG	09/15/09	AG	0.05	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/28/09	AG	09/15/09	AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/28/09	AG	09/15/09	AG	0.08	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09	AG	68.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/28/09	AG	09/15/09	AG	0.02	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09	AG	11.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/28/09	AG	09/14/09	AG	0.24	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800 DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09	ELS	0.64	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09	ELS	9.3	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569828

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569829 SAMPLE ID- MW-230D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1315
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.06	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/28/09	AG	09/15/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.05	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	25.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.03	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	6.0	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/28/09	AG	09/14/09		AG	0.12	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	0.68	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	21.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569829

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569830 SAMPLE ID- MW-312S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1005
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.04	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/28/09	AG	09/15/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.07	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	117.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/28/09	AG	09/15/09		AG	0.13	mg/L
Lead, Total (Pb)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	22.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/28/09	AG	09/14/09		AG	0.36	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	3.4	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/28/09	AG	09/14/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	10.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569830

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02 mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02 mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/28/09	AG	09/14/09	AG	< 0.02 mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY

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Patrick A. Leone, Jr.
Laboratory Director



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569831 SAMPLE ID- QCDup(MS) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	97%	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	86%	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	97%	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	94%	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	97%	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	93%	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	105%	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	*NA	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	100%	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	98%	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	105%	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	90%	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	99%	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	78%	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	97%	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	95%	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	93%	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	92%	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	79%	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	10%	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	67%	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569831

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	94% mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	94% mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	91% mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569832 SAMPLE ID- QCDup(MSD) (PZ-1A)
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1530
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3		09/16/09		AG	97%	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG 09/15/09		AG	96%	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG 09/15/09		AG	97%	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG 09/16/09		AG	93%	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG 09/15/09		AG	98%	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG 09/15/09		AG	93%	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG 09/15/09		AG	105%	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG 09/17/09		AG	*NA	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG 09/15/09		AG	101%	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG 09/15/09		AG	98%	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG 09/15/09		AG	98%	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG 09/15/09		AG	92%	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG 09/15/09		AG	99%	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG 09/17/09		AG	71%	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG 09/15/09		AG	98%	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1		08/31/09	0815	MM	95%	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG 09/15/09		AG	93%	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG 09/22/09		ELS	92%	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG 09/15/09		AG	78%	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG 09/15/09		AG	6%	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG 09/22/09		ELS	67%	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569832

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	95%	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	95%	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	91%	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569833 SAMPLE ID- QCDup(MS) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	88%	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	89%	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	92%	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	90%	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	93%	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	88%	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	97%	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	*NA	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	97%	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	95%	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	92%	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	88%	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	95%	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	85%	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	*NA	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	79%	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	91%	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	93%	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	76%	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	8%	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	100%	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569833

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	88%	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	90%	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	84%	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569834 SAMPLE ID- QCDup(MSD) (MW-221D)
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1325
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	96%	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	99%	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	99%	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	94%	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	98%	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	95%	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	105%	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	*NA	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	104%	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	102%	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	100%	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	93%	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	101%	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	126%	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	*NA	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	89%	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	98%	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	93%	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	78%	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	5%	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	100%	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569834

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	94%	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	97%	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	91%	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium. *NA - Not Available

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



Orange County
Solid Waste
Landfill, Inc.

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569835 SAMPLE ID- MW-223S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1350
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09	AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09	AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09	AG	0.11	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09	AG	136.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09	AG	3.3	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09	AG	39.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09	AG	2.1	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09	ELS	1.3	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09	ELS	16.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 569835

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	0.03	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569836 SAMPLE ID- MW-223D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1405
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.03	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.07	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	42.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.02	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	1.0	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.2	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	15.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569836

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569837 SAMPLE ID- MW-232S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0730
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.07	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	81.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.32	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	13.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.83	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	1.2	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	3.0	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569837

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569838 SAMPLE ID- MW-233S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1435
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.06	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	113.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	31.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.05	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	1.6	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	1.6	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569838

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569839 SAMPLE ID- MW-234D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.07	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	81.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.08	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	15.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.48	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	5.6	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	19.	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569839

ANALYSIS	METHOD	SAMPLE PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09		AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

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APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569840 SAMPLE ID- MW-245S
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1340
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.07	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	159.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.05	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	38.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	2.1	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	1.7	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	38.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569840

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569841 SAMPLE ID- MW-245D
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1355
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.10	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	97.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.05	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	28.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.43	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.7	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	42.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569841

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569842 SAMPLE ID- MW-303S
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/16/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.09	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	126.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/16/09		AG	10.	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	20.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	1.5	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.1	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	18.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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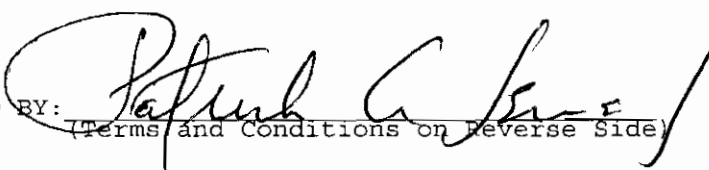
CONTINUATION OF DATA FOR SAMPLE NUMBER 569842

ANALYSIS	METHOD	SAMPLE DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/16/09		AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:


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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569843 SAMPLE ID- MW-303D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1555
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	0.37	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.03	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	47.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.08	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	19.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.03	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	4.8	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	180.	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569843

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569844 SAMPLE ID- PZ-1A
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1525
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.04	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	110.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.08	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	26.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.39	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	1.8	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	18.	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569844

ANALYSIS	METHOD	SAMPLE DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09		AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

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Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569845 SAMPLE ID- PZ-4
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	0.12	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.16	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.06	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	187.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.31	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	45.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.95	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.8	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	41.	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569845

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	0.10	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569846 SAMPLE ID- PZ-11
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1545
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.06	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	163.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.22	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	30.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	2.8	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	3.7	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	13.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569846

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

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Patrick A. Leone, Jr.
Laborator / Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569847 SAMPLE ID- MW-3B
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	0.14	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.17	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	159.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.22	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	24.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.67	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.2	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	39.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569847

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569848 SAMPLE ID- MW-207SA
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1510
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.35	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	147.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/16/09		AG	16.	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	31.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	1.1	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.1	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	11.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569848

ANALYSIS	METHOD	SAMPLE PREP DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09		AG	0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09		AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569849 SAMPLE ID- MW-207D
DATE SAMPLED- 08/19/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1520
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.07	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	108.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.11	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	24.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	1.2	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	0.99	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	10.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569849

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/15/09	AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569850 SAMPLE ID- MW-220
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1415
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/16/09		AG	0.19	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/16/09		AG	0.05	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	189.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/16/09		AG	0.75	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	48.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	1.4	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.8	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/16/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	13.	mg/L

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CONTINUATION OF DATA FOR SAMPLE NUMBER 569850

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/16/09		AG	0.04	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09		AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569851 SAMPLE ID- MW-221S
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0845
RECEIVED BY- RS
TYPE SAMPLE- Grab

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ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/16/09		AG	0.21	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	184.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	17.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	2.4	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/16/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	18.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569851

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/16/09		AG	0.05	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09		AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569852 SAMPLE ID- MW-221D
DATE SAMPLED- 08/20/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 0815
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/16/09		AG	0.04	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/16/09		AG	0.04	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	39.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	17.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			09/02/09	0800	DG	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	4.7	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/16/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	15.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569852

ANALYSIS	METHOD	SAMPLE DATE	PREP BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/16/09		AG	< 0.02	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09		AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.



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REPORT OF ANALYSES

C & S Engineers, Inc.
499 Col. E. Collins Blvd.
North Syracuse, NY 13212-
Attn: Ms. Christen Craig

PROJECT NAME: Orange County Landfill
DATE: 09/23/2009

SAMPLE NUMBER- 569853 SAMPLE ID- MW-222
DATE SAMPLED- 08/18/09
DATE RECEIVED- 08/21/09 SAMPLER- Ben Murphy/Kevin Rowe
TIME RECEIVED- 0815 DELIVERED BY- Ben Murphy

SAMPLE MATRIX- WW
TIME SAMPLED- 1430
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
BORON, DISSOLVED	EPA 212.3			09/17/09		AG	< 0.1	mg/L
Aluminum, Dissolved (Al)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Antimony, Dissolved (Sb)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Arsenic, Dissolved (As)	EPA 200.7	08/31/09	AG	09/16/09		AG	< 0.02	mg/L
Barium, Dissolved (Ba)	EPA 200.7	08/31/09	AG	09/16/09		AG	0.35	mg/L
Beryllium, Dissolved (Be)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cadmium, Dissolved (Cd)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Calcium, Dissolved (Ca)	EPA 200.7	09/15/09	AG	09/17/09		AG	208.	mg/L
Chromium, Dissolved (Cr)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Cobalt, Dissolved (Co)	EPA 200.7	09/15/09	AG	09/15/09		AG	< 0.02	mg/L
Copper, Dissolved (Cu)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Iron, Dissolved (Fe)	EPA 200.7	08/31/09	AG	09/16/09		AG	20.	mg/L
Lead, Total (Pb)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Magnesium, Dissolved (Mg)	EPA 200.7	09/15/09	AG	09/17/09		AG	54.	mg/L
Manganese, Dissolved (Mn)	EPA 200.7	08/31/09	AG	09/15/09		AG	0.69	mg/L
MERCURY, DISSOLVED (HG)	EPA 245.1			08/31/09	0815	MM	< 0.001	mg/L
Nickel, Dissolved (Ni)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Potassium, Dissolved (K)	EPA 200.7	09/15/09	AG	09/22/09		ELS	3.5	mg/L
Selenium, Dissolved (Se)	EPA 200.7	09/15/09	AG	09/16/09		AG	< 0.02	mg/L
Silver, Dissolved (Ag)	EPA 200.7	08/31/09	AG	09/15/09		AG	< 0.02	mg/L
Sodium, Dissolved (Na)	EPA 200.7	09/15/09	AG	09/22/09		ELS	17.	mg/L

The analytical results on this sample are representative of the sample as received by the Laboratory.



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CONTINUATION OF DATA FOR SAMPLE NUMBER 569853

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
Thallium, Dissolved (Tl)	EPA 200.7	09/15/09	AG	09/16/09	AG	0.04	mg/L
Vanadium, Dissolved (V)	EPA 200.7	09/15/09	AG	09/17/09	AG	< 0.02	mg/L
Zinc, Dissolved (Zn)	EPA 200.7	08/31/09	AG	09/15/09	AG	< 0.02	mg/L

Note: Sodium and Potassium analysis performed by ELAP #11375. Low spike recovery for Laboratory Control Sample for Selenium and Calcium.

NYSDOH LAB ID NO. 11246

APPROVED BY:

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Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample as received by the Laboratory.

APPENDIX B

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



Certified
Environmental
Services, Inc.

MONITORING WELL SAMPLING FIELD LOG Field Parameters

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: C & S Engineers

PERSONNEL: Kevin Rowe

DATE:

8/18, 8/19, 8/20/09

PROJECT: Orange County Landfill - Post Closure Event

Ben Murphy

WEATHER:

95° 92° 87°

WELL NUMBER	DATE	TIME	pH	TEMP (°C)	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	Eh (mV)	NOTES
PZ-1A	8-18-09	1525	7.43 ~~6.95~~	15.2° ~~14.5~~	0.674	2.2	121	QC/DUPE D.O. 7.0
PZ-4	8-18-09	1510	7.25 ~~6.15~~	19.1°	0.970	3.8	129	
PZ-11	8-18-09	1545	7.09 ~~6.89~~	16.6	0.862 ~~0.861~~	109.0 ~~2.8~~	54	D.O. 5.61
MW-3B	8-18-09	1450	7.17 ~~6.45~~	17.3° ~~20.0~~	0.801	2.7	132	D.O. 7.08
MW-207 SA	8/19/09	1510	~~6.11~~ 6.11	16.1 ~~21.30~~	0.874 ~~0.8~~	116.0 ~~1.78~~	~~236~~ 236	D.O. 5.76 D.O. 5.05
MW-207 D	8/19/09	1520	7.12 ~~6.27~~	16.3 ~~22.53~~	0.666 ~~0.6~~	70.1 ~~1.7~~	-35 ~~236~~	D.O. 5.84 5.75
MW-220	8-18-09	1415	7.05 ~~6.25~~	18.3°	1.46	47.1	9	D.O. 10.21
MW-221 S	8/20/09	0845 1315	7.31	16.43	0.880	171.6	81	~~D.O. 2.66~~ QC/DUPE
MW-221 D	8/20/09	0815 1320	7.64	15.37	0.377	33.2	51	D.O. 3.15 D.O. 3.36
MW-222	8-18-09	1430	6.84 ~~5.89~~	19.5°	1.83	157.0	-97	



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CLIENT: C & S Engineers

PERSONNEL: Kevin Rowe

DATE:

8/19/09

PROJECT: Orange County Landfill - Post Closure Event

Ben Murphy

WEATHER:

Partly Sunny 92°
Very humid 90%

WELL NUMBER	DATE	TIME	pH	TEMP (°C)	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	Eh (mV)	NOTES
MW-223 S	8/19/09	1350	6.99 ~~6.56~~	15.4 ~~23.24~~	0.818 ~~0.0~~	116.0 ~~17.0~~	-56 ~~248~~	D.O. ~~7.25~~
MW-223 D	8/19/09	1405	6.037 ~~6.61~~	15.9 ~~23.55~~	0.366 ~~0.0~~	7.7 ~~10.4~~	-102 ~~200~~	D.O. 8.97
MW-232 S	8/20/09	0730 ~~1200~~	8.12	14.87	0.446	48.2 ~~0.0~~	-85	D.O. 6.82
MW-233 S	8/19/09	1435	7.85 ~~7.0~~	14.9 ~~22.07~~	0.662 ~~0.0~~	17.1 ~~10.4~~	73 ~~200~~	D.O. ~~5.87~~
MW-234 S	8/19/09		No	Sample well Riser Damaged (A/C intact) but cannot extract Bailer				
MW-234 D	8/19/09	1450	7.72 ~~6.0~~	15.6 ~~23.00~~	0.540 ~~0.0~~	15.1 ~~10.0~~	71 ~~200~~	D.O. ~~11.26~~
MW-245 S	8-18-09	1340	7.31 ~~6.0~~	15.9°	1.54 ~~0.0~~	103.0	87	D.O. 10.14
MW-245 D	8-18-09	1355	7.20 ~~6.0~~	17.9°	0.813	9.0	89	D.O. 6.35
MW-303 S	8/19/09	1545	7.32	15.71	0.756	117.0	-108	D.O. 6.06
MW-303 D	8/19/09	1555	8.05	16.72	1.53	59.6	-10	D.O. 17.55



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CLIENT: C & S Engineers

PERSONNEL: Kevin Rowe

DATE:

8/19/09 / 8-20-09

PROJECT: Orange County Landfill - Post Closure Event

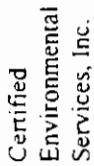
Ben Murphy

WEATHER:

Partly Sunny 92°

WELL NUMBER	DATE	TIME	pH	TEMP (°C)	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	Eh (mV)	NOTES
MW-304 VS	8/20/09	915 1340	6.91	15.31	0.805	733.0	-102	12.04.86
MW-304 S	8/20/09	925 1345	7.25	14.44	0.766	348.2	-95	10.06.54
MW-304 D	8/20/09	935 1350	6.98	14.30	0.724	42.5	-88	2 sets (4) 16oz unfiltered / filtered HNO ₃ D.O. 3.80
MW-230 S	8/19/09	1300	7.55	16 10.42	0.452	88.3	40	D.O. 11.07
MW-230 D	8/19/09	1315	7.66	16.31 20.2	0.244	27.2	39	2 sets (4) 16oz unfiltered / filtered HNO ₃ D.O. 6.52
MW-312 S	8/20/09	1005 1400	6.98	15.11	0.688	47.7	50	D.O. 3.85
QC:	8-18-09	1530	6.95	15.3				PZ-1A
QC:	8/20/09	0800 1325						MW-22/D

sample time exact 1/2 gallon
1/2 gallon sample time



Field Parameters

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

PERSONNEL: Kevin Rowe

DATE:

8/29/09

PROJECT: Orange County Landfill - Post Closure Event

Ben Murphy

WEATHER:

Partly Sunny 89°.

[illegible]



Certified
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Services, Inc.

MONITORING WELL SAMPLING FIELD LOG

Well Purging/Bailing

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: C & S Engineers

PERSONNEL: Kevin Rowe

DATE: 8/17/09

PROJECT:

Orange County

Landfill - Post Closure Event

Ben Murphy

WEATHER: Sunny 95°

WELL NUMBER	WELL DEPTH'	WELL DIAM.	INITIAL DEPTH TO WATER	WELL VOLUME (GALLONS)	GALLONS BAILED	COLOR NOTED	TURBIDITY (VISUAL)	ODOR	FINAL DEPTH TO WATER
PZ-1A	80.07'	2"	11.88'	10.9	33	clr - clr - clr	L-L-L	none	11.93'
PZ-4	55.00'	2"	13.18	6.7	27/18	clr - lt. gray / gray	L-M-H	none	13.37'
PZ-11	30.05'	1"	16.87'	1.0	4	clr / lt. brn	L-L-M	none	16.96'
MW-3B	52.66'	2"	27.17'	4.0	16	clr - clr	L-L	none	27.45'
MW-207 SA	24.89'	2"	16.56'	1.3	5	brn / lt. brn	H-H	none	16.57'
MW-207 D	61.48'	2"	17.70'	7.0	21	lt. gray / lt. gray	M-M	none	17.68'
MW-220	30.95'	2"	18.29'	2.0	8	clr - lt. brn	L-L-M	none	18.46'
MW-221 S	27.00'	2"	14.87'	1.9	8	gray / gray	M-M-H	none	14.89'
MW-221 D	56.80'	2"	14.75'	6.7	20 - forged dry @ 9	clr / clr	L-L	none	14.96'
MW-222	26.30'	2"	17.28'	1.4	6	clr - lt. gray	L-L-M	none	17.30'

NOTES:

*Well Depth =

Depth to Water =

*Volume =

Total depth of well (Provided to CES)

Depth from top of well casing to top of water (to nearest 1/100th of a foot)

Well depth - depth to water x 0.16 for 2" diameter wells (volume in gallons)

Well depth - depth to water x 0.077 for 1" diameter wells (volume in gallons)

Gallons Bailed =

of Volumes Bailed =

Total amount of water purged + well volume

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Certified
Environmental
Services, Inc.

MONITORING WELL SAMPLING FIELD LOG
Well Purging/Bailing

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: C & S Engineers

PERSONNEL: Kevin Rowe

DATE: *8/11/09*

PROJECT: *Orange County*
Landfill - Post Closure Event

Ben Murphy

WEATHER: *Sunny 95° very humid*

WELL NUMBER	WELL DEPTH*	WELL DIAM.	INITIAL DEPTH TO WATER	WELL VOLUME (GALLONS)	GALLONS BAILED	COLOR NOTED	TURBIDITY (VISUAL)	ODOR	FINAL DEPTH TO WATER
MW-223 S	67.60'	2"	<i>15.79'</i>	<i>8.2</i>	<i>25</i>	<i>clr-clr</i>	<i>L-L</i>	<i>none</i>	
MW-223 D	87.30'	2"	<i>15.96'</i>	<i>11.4</i>	<i>34</i>	<i>clr-clr</i>	<i>L-L</i>	<i>none</i>	
MW-232 S	26.18'	2"	<i>11.56</i>	<i>2.3</i>	<i>9</i>	<i>gray/olive</i>	<i>H-H</i>	<i>organic (swampy)</i>	<i>11.58'</i>
MW-233 S	19.83'	2"	<i>10.50'</i>	<i>1.5</i>	<i>6</i>	<i>clr-lt. gray/clr</i>	<i>L-M-M</i>	<i>none</i>	<i>10.45'</i>
<u>MW-234 S</u>	41.86'	2"	<i>16.25'</i>	<i>well riser damaged, but would need riser bent over PVC pipe, 12VC looks undamaged</i>	<i>33</i>	<i>clr-clr</i>	<i>M-H-M</i>	<i>none</i>	<i>16.90'</i>
MW-234 D	86.47'	2"	<i>16.88</i>	<i>11.1</i>	<i>33</i>	<i>light-gray</i>	<i>L-M-H</i>	<i>none</i>	<i>30.38'</i>
MW-245 S	46.80'	2"	<i>30.22'</i>	<i>2.6</i>	<i>10</i>	<i>clear</i>	<i>L-L-M</i>	<i>none</i>	
MW-245 D	80.43'	2"	<i>30.28</i>	<i>8</i>	<i>29 purged dry @ 10</i>	<i>clear</i>	<i>L-L-L</i>	<i>none</i>	<i>17.08'</i>
MW-303 S	26.59'	2"	<i>17.10'</i>	<i>1.5</i>	<i>6</i>	<i>clear</i>	<i>L-L-L</i>	<i>none</i>	<i>17.05'</i>
MW-303 D	74.42'	2"	<i>16.95'</i>	<i>9.1</i>	<i>27</i>	<i>clear</i>	<i>L-L-L</i>	<i>none</i>	

NOTES:

*Well Depth =

Depth to Water =

Well Volume =

Total depth of well (Provided to CES)

Depth from top of well casing to top of water (to nearest 1/100th of a foot)

Well depth - depth to water x 0.16 for 2" diameter wells (volume in gallons)

Well depth - depth to water x 0.077 for 1" diameter wells (volume in gallons)

Gallons Bailed =

of Volumes Bailed =

Total amount of water purged (in gallons)

Total amount of water purged ÷ well volume



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MONITORING WELL SAMPLING FIELD LOG

Well Purging/Bailing

1401 Erie Boulevard East
Syracuse, New York 13210
Ph (315) 478-2374 Fax (315) 478-2107

CLIENT: C & S Engineers

PERSONNEL: Kevin Rowe

DATE: 8/18/99

Orange County

Landfill - Post Closure Event

PROJECT:

Ben Murphy

WEATHER: Sunny 95°

WELL NUMBER	WELL DEPTH*	WELL DIAM.	INITIAL DEPTH TO WATER	WELL VOLUME (GALLONS)	GALLONS BAILED	COLOR NOTED	TURBIDITY (VISUAL)	ODOR	FINAL DEPTH TO WATER
MW-304 VS	10.09'	2"	4.68'	0.86	2 DRY @	clr / clr	L-L	none	4.88'
MW-304 S	32.52'	2"	23.69'	1.4	6	lt gray / lt gray	M-M-H	none	23.77'
MW-304 D	62.11'	2"	22.35'	6.4	12 DRY @ 10	clr / lt gray	L-M-M	none	22.85'
MW-230 S	64.35'	2"	10.84'	8.5	26	lt gray / gray	M-H-H	none	10.89'
MW-230 D	124.18'	2"	10.42'	18.2	55	clr / clr	L-M-L	none	10.52'
MW-312 S	26.30'	2"	22.21'	0.65	4	clr / clr	L-M	none	22.27'

NOTES:

*Well Depth =

Depth to Water =

Well Volume =

Total depth of well (Provided to CES)

Depth from top of well casing to top of water (to nearest 1/100th of a foot) # of Volumes Bailed =

Well depth - depth to water x 0.16 for 2" diameter wells (volume in gallons)

Well depth - depth to water x 0.077 for 1" diameter wells (volume in gallons)

Gallons Bailed =

Total amount of water purged (in gallons)

Total amount of water purged ÷ well volume

Phone: 315-478-2374

Fax: 315-478-2107

Turn-Around Time:

☐ Standard

☐ 1 Week

☐ 72 Hours

☐ 48 Hours

☐ 24 Hours

PROJECT NUMBER/NAME:

PHONE:

FAX:

CONTACT NAME:

Signature: _____

Sampler's Name: _____

Signature:

LAB USE ONLY	Collected		TYPE		MATRIX			CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER												
	CES Sample Numbers	Date	Time	Comp.	Grab	Aqueous	Soil														Other
SPECIAL REMARKS:									TOTAL NUMBER OF CONTAINERS												

NAME: _____ DATE: _____
SIGNATURE: _____ TIME: _____

NAME: _____ DATE: _____
SIGNATURE: _____ TIME: _____

☐ Yes ☐ No

Temperature °C

NAME: _____ DATE: _____
SIGNATURE: _____ TIME: _____

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DATE:
TIME:DATE:
TIME:

CHAIN OF CUSTODY RECORD



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: _____ Page 1 of 1

PARAMETERS FOR ANALYSIS

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: _____ PROJECT NUMBER/NAME: _____

ADDRESS: _____

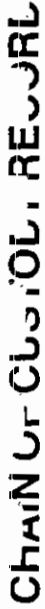
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FAX: _____

CONTACT NAME: _____ PURCHASE ORDER NO: _____

Sampler's Name: _____ Signature: _____

LAB USE ONLY		Collected		TYPE		MATRIX			CLIENT ID/SAMPLE LOCATION	TOTAL NUM								
		Date	Time	Comp.	Grab	Aqueous	Soil	Other										
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1401 Erie Blvd. East
Syracuse, NY 13210

Fax: 315-478-2107

Page 5 of 5

☐ 48 Hours

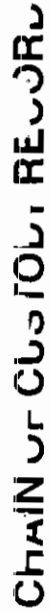
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SPECIAL REMARKS:

NAME: _____ DATE: _____
SIGNATURE: _____ TIME: _____

Temperature $^{\circ}\text{C}$

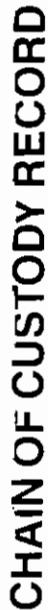
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Fax: 315-478-2107

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:		Samples Received in Good Condition: ☐ Yes ☐ No Temperature _____ °C
NAME: SIGNATURE:	DATE: TIME:	NAME: SIGNATURE:	DATE: TIME:	
NAME: SIGNATURE:	DATE: TIME:	NAME: SIGNATURE:	DATE: TIME:	

White - CES's Copy • Canary - Return to Client With Report • Pink - Clients Initial Copy



Phone: 315-478-2374

Fax: 315-478-2107

Fax: 315-478-2107

CLIENT NAME:	PROJECT NUMBER/NAME:
ADDRESS:	
PHONE:	
FAX:	
CONTACT NAME:	PURCHASE ORDER NO:

Sampler's Name: _____ Signature: _____

LAB USE ONLY	CES Sample Numbers	Collected		TYPE		MATRIX		CLIENT ID/SAMPLE LOCATION	
		Date	Time	Comp.	Grab	Aqueous	Soil		Other
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8/20/04	04:00				X		611-1-2048
		8/20/04	12:00				X		611-1-2048
		8							

SPECIAL REMARKS:

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: SIGNATURE:	DATE: TIME:	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	NAME: SIGNATURE:	DATE: TIME:

Samples Received in Good Condition:

☐ Yes ☐ No

Temperature _____ °C



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

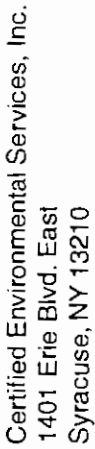
Fax: 315-478-2107

CHAIN OF CUSTODY RECORD

BATCH NO: _____				Page 2 of 4			
Turn-Around Time: ☐ Standard ☐ 1 Week ☐ 72 Hours ☐ 48 Hours ☐ 24 Hours				PARAMETERS FOR ANALYSIS			
PROJECT NUMBER/NAME: <u>Resident Landfill Landfill</u>				TOTAL NUMBER OF CONTAINERS			
PURCHASE ORDER NO: _____				TOTAL NUMBER OF CONTAINERS			
Sampler's Name: <u>Sam. Murphy / Kelly R. R.</u>				Signature: <u>[Signature]</u>			
LAB USE ONLY				CLIENT ID/SAMPLE LOCATION			
CES Sample Numbers	Collected		TYPE	MATRIX		Other	TOTAL NUMBER OF CONTAINERS
	Date	Time		Grab	Aqueous		
50191007	8/20/09	07:20	X	X			8
50191008	8/19/09	14:35	X	X			8
50191009	8/19/09	14:50	X	X			8
50191010	8/19/09	14:40	X	X			8
50191011	8/19/09	15:55	X	X			8
50191012	8/19/09	15:45	X	X			8
50191013	8/19/09	15:55	X	X			8
50191014	8/19/09	15:25	X	X			8
50191015	8/18/09	15:10	X	X			8
50191016	8/18/09	15:45	X	X			8
SPECIAL REMARKS: <u>filtering for dissolved metals completed on-site</u>							80

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: <u>[Signature]</u>	DATE: <u>8/20/09</u>	NAME: <u>[Signature]</u>	DATE: <u>8/21/09</u>
SIGNATURE: <u>[Signature]</u>	TIME: <u>17:30</u>	SIGNATURE: <u>[Signature]</u>	TIME: <u>17:30</u>
NAME: <u>[Signature]</u>	DATE: <u>8/21/09</u>	NAME: <u>[Signature]</u>	DATE: <u>8/21/09</u>
SIGNATURE: <u>[Signature]</u>	TIME: <u>17:30</u>	SIGNATURE: <u>[Signature]</u>	TIME: <u>17:30</u>

Samples Received in Good Condition:
☒ Yes ☐ No
Temperature 24 °C



Page 11 of 11

Fax: 315-478-2107

Signature:

[illegible]

SPECIAL REMARKS:

TOTAL NUMBER OF CONTAINERS

SAMPLES RELINQUISHED BY:

SAMPLES RECEIVED BY:

DATE: .

NAME: _____

DATE:

DATE:

NAME: _____

DATE:

Samples Received in Good Condition:

☐ Yes ☐ No

Temperature °C



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

CLIENT NAME: CES Engineers PROJECT NUMBER/NAME: Orange County Landfill
ADDRESS: _____
PHONE: 455-2000 (4341)
FAX: 455-9467
CONTACT NAME: Christina M. Craig PURCHASE ORDER NO: _____

Sampler's Name: Ben Murphy / Kevin Kahan Signature: Ben Murphy

DATE	TIME	TYPE	MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS
			Comp.	Soil		
8/18/09	14:50	X	X		MW-3B1	8
8/19/09	15:10	X	X		MW-2075A	8
8/19/09	15:20	X	X		MW-207D	8
8/18/09	14:15	X	X		MW-220	8
8/20/09	08:45	X	X		MW-221S	8
8/20/09	08:15	X	X		MW-221D	8
8/18/09	14:30	X	X		MW-222	8
8/20/09	11:40	X	X		SW-3	7
↓	12:05	X	X		SW-5	7
↓	12:25	X	X		SW-8	7
TOTAL NUMBER OF CONTAINERS						27

SPECIAL REMARKS: fitting for dissolved metals completed on-site
SW sampled - no dissolved metals

SAMPLES RELINQUISHED BY: Ben Murphy DATE: 8/20/09 TIME: 17:30
NAME: Ben Murphy SIGNATURE: Ben Murphy
NAME: _____ DATE: _____ TIME: _____
NAME: _____ DATE: _____ TIME: _____

SAMPLES RECEIVED BY: 21 DATE: 8/20/09 TIME: 08:15
NAME: Christina Craig SIGNATURE: Christina Craig
NAME: _____ DATE: _____ TIME: _____
NAME: _____ DATE: _____ TIME: _____

Samples Received in Good Condition:
☒ Yes ☐ No
Temperature 3.4 °C



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: 130579 Page 2 of 4

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: CTS Engineers PROJECT NUMBER/NAME: Orange County Landfill

PHONE: 455-2000 (4341)

FAX: 455-9667

CONTACT NAME: Christina M. Craig PURCHASE ORDER NO:

Sampler's Name: Ben Murphy / Kevin L. Ryan Signature: Ben Murphy / Kevin L. Ryan

WASTE REGION	Collected		TYPE	MATRIX			CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER	see attached		
	Date	Time		Comp.	Grab	Aqueous				Soil	Other
WASTE REGION 1	8/20/09	07:30	X		X		MW-2325	8	X		
WASTE REGION 1	8/19/09	14:35	X		X		MW-2335	8	X		
WASTE REGION 1	8/19/09	14:50	X		X		MW-2340	8	X		
WASTE REGION 1	8/18/09	13:40	X		X		MW-2455	8	X		
WASTE REGION 1	8/18/09	13:55	X		X		MW-245A	8	X		
WASTE REGION 1	8/19/09	15:45	X		X		MW-3035	8	X		
WASTE REGION 1	8/19/09	15:55	X		X		MW-303D	8	X		
WASTE REGION 1	8/19/09	15:25	X		X		PZ-1A	8	X		
WASTE REGION 1	8/18/09	15:10	X		X		PZ-4	8	X		
WASTE REGION 1	8/18/09	15:45	X		X		PZ-11	8	X		

SPECIAL REMARKS: filter bag for dissolved metals completed on-site

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Ben Murphy	DATE: 8/20/09	NAME: Ben Murphy	DATE: 8/20/09
SIGNATURE: [Signature]	TIME: 17:30	SIGNATURE: [Signature]	TIME: 08:15
NAME: [Blank]	DATE: [Blank]	NAME: [Blank]	DATE: [Blank]
SIGNATURE: [Blank]	TIME: [Blank]	SIGNATURE: [Blank]	TIME: [Blank]

White • CES's Copy • Canary • Return to Client With Report • Pink • Clients Initial Copy



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1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

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BATCH NO: 130519

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: CTS Engineers
 ADDRESS: Orange County Landfill

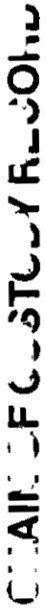
PHONE: 455-2000 (4341)
 FAX: 455-9667
 CONTACT NAME: Christina M. Craig

PURCHASE ORDER NO:
 Signature: Ben Murphy

LAB USE ONLY	Sample Numbers	Collected		TYPE	MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
		Date	Time		Comp.	Grab			
	8/20/09	06:15		X	X		MW-304 VS	8	See attached - Baseline
	8/20/09	09:25		X	X		MW-304 S	8	
	8/20/09	09:35		X	X		MW-304 D	8	
	8/19/09	13:00		X	X		MW-230 S	8	
	8/19/09	13:15		X	X		MW-230 D	8	
	8/20/09	10:05		X	X		MW-312 S	8	
	8/18/09	15:30		X	X		QC Dup. (PZ-1A)	8	
	8/20/09	13:25		X	X		QC Dup. (MW-221 D)	8	
	8/19/09	13:50		X	X		MW-223 S	8	
	8/19/09	14:05		X	X		MW-223 D	8	
TOTAL NUMBER OF CONTAINERS								80	

SPECIAL REMARKS: Filtering for dissolved metals completed on-site

SAMPLES RELINQUISHED BY: NAME: Ben Murphy SIGNATURE: <i>Ben Murphy</i> DATE: 8/20/09 TIME: 17:30		SAMPLES RECEIVED BY: NAME: Ryan Greenhouse SIGNATURE: <i>Ryan Greenhouse</i> DATE: 8-21-09 TIME: 08:15	
NAME: <i>Ben Murphy</i> SIGNATURE: <i>Ben Murphy</i> DATE: <i>8/20/09</i> TIME: <i>17:30</i>		NAME: <i>Ryan Greenhouse</i> SIGNATURE: <i>Ryan Greenhouse</i> DATE: <i>8-21-09</i> TIME: <i>08:15</i>	



PARAMETERS FOR ANALYSIS

[illegible]

SPECIAL REMARKS:

NAME: _____ DATE: _____
SIGNATURE: _____ TIME: _____

Temperature _____ °C

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UTILITY OF COST STUDY RECORD



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: 50578

Page 1 of 4

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: CTS Engineers	PROJECT NUMBER/NAME: Orange County Landfill	PURCHASE ORDER NO:	SAMPLER'S NAME: Ben Murphy / Christopher M. Craig	SIGNATURE: [Signature]	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: 30516

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

Page 3 of 4

PARAMETERS FOR ANALYSIS

CLIENT NAME: C&S Engineers
ADDRESS: Orange County Landfill
PHONE: 455-2000 (4341)
FAX: 455-9667
CONTACT NAME: Charsten M. Givens
PURCHASE ORDER NO:

Project Number/Name: Orange County Landfill
Signature: Bryon Murphy
Sample's Name: Bryon Murphy / Kevin L. Rowe

DATE / TIME ONLY	Collected		TYPE		MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	
	Date	Time	Comp.	Grab	Aqueous	Soil			
8/18/09	14:50		X	X			MW-3B1	8	X
8/19/09	15:10		X	X			MW-2075A	8	X
8/19/09	15:20		X	X			MW-207D	8	X
8/18/09	14:15		X	X			MW-220	8	X
8/20/09	08:45		X	X			MW-221S	8	X
8/20/09	08:15		X	X			MW-221D	8	X
8/18/09	14:20		X	X			MW-222	8	X
8/20/09	11:40		X	X			SW-3	7	X
↓	12:05		X	X			SW-5	7	X
↓	12:25		X	X			SW-8	7	X
TOTAL NUMBER OF CONTAINERS								77	

SPECIAL REMARKS: filtering for dissolved metals completed on-site
SW sampled - no dissolved metals

SAMPLES RELINQUISHED BY: Bryon Murphy DATE: 8/20/09 TIME: 17:30
NAME: Bryon Murphy SIGNATURE: [Signature]
DATE: 8/20/09 TIME: 08:15
NAME: Charsten M. Givens SIGNATURE: [Signature]
DATE: 8/20/09 TIME: 08:15
NAME: Bryon Murphy SIGNATURE: [Signature]
DATE: 8/20/09 TIME: 08:15
NAME: Charsten M. Givens SIGNATURE: [Signature]
DATE: 8/20/09 TIME: 08:15

SAMPLES RECEIVED IN GOOD CONDITION:
☒ Yes ☐ No
Temperature 3.4 °C



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

CHAIN OF CUSTODY RECORD

BATCH NO: B0583

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: CTS Engineers

ADDRESS:

PROJECT NUMBER/NAME:

Orange County Landfill

PHONE: 455-2000 (4341)

FAX: 455-9667

CONTACT NAME: Christina M. Craig

PURCHASE ORDER NO:

Sampler's Name: Ben Murphy

Signature: Ben Murphy

Collected	Date	Time	TYPE			MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS
			Comp.	Grab	Aqueous	Soil	Other		
	8/20/09	09:15	X	X				MW-304 VS 1	8
	8/20/09	09:25	X	X				MW-304 S	8
	8/20/09	09:35	X	X				MW-304 D	8
	8/19/09	13:00	X	X				MW-230 S	8
	8/19/09	13:15	X	X				MW-230 D	8
	8/20/09	10:05	X	X				MW-312 S	8
	8/18/09	15:30	X	X				QC Dup. (PZ-1A)	8
	8/20/09	13:25	X	X				QC Dup. (MW-221 D)	8
	8/19/09	13:50	X	X				MW-223 S	8
	8/19/09	14:05	X	X				MW-223 D	8
TOTAL NUMBER OF CONTAINERS									80

SPECIAL REMARKS:

filtering for dissolved metals completed on-site

SAMPLES RELINQUISHED BY:

NAME: Ben Murphy
SIGNATURE: Ben Murphy

DATE: 8/20/09
TIME: 17:30

SAMPLES RECEIVED BY:

NAME: Ryan Sweeney
SIGNATURE: Ryan Sweeney

DATE: 8-21-09
TIME: 0815

Samples Received in Good Condition:

☒ Yes ☐ No
Temperature 34 °C

NAME:
SIGNATURE:

DATE:
TIME:

NAME:
SIGNATURE:

DATE:
TIME:

CHAIN OF CUSTODY RECORD



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: 130583

Turn-Around Time:

- ☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

Page 2 of 4

PARAMETERS FOR ANALYSIS

CLIENT NAME: C&S Engineers
ADDRESS: Orange County Landfill
PHONE: 455-2000 (4341)
FAX: 455-9667
CONTACT NAME: Christina M. Craig
PURCHASE ORDER NO:
Sampler's Name: Ben Murphy / Kaye R. Rasmussen Signature: *[Signature]*

Collected	Date	Time	TYPE		MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS
			Comp.	Grab	Aqueous	Soil		
	8/20/09	07:30	X		X		MW-2325 I	8
	8/19/09	14:35	X		X		MW-2335	8
	8/19/09	14:50	X		X		MW-2340	8
	8/18/09	13:40	X		X		MW-2455	8
	8/18/09	13:55	X		X		MW-245A	8
	8/19/09	15:45	X		X		MW-3035	8
	8/19/09	15:55	X		X		MW-303D	8
	8/19/09	15:25	X		X		PZ-1A	8
	8/18/09	15:10	X		X		PZ-4	8
	8/18/09	15:45	X		X		PZ-11	8
TOTAL NUMBER OF CONTAINERS								80

SPECIAL REMARKS: Filterery for dissolved metals completed on-site

SAMPLES RELINQUISHED BY:
NAME: Ben Murphy
SIGNATURE: *[Signature]*
DATE: 8/20/09
TIME: 17:30

SAMPLES RECEIVED BY:
NAME: Loran Sneed
SIGNATURE: *[Signature]*
DATE: 8-20-09
TIME: 0815

NAME:
SIGNATURE:
DATE:
TIME:

Samples Received in Good Condition:
☒ Yes ☐ No
Temperature 3.4 °C



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Phone: 315-478-2374

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CLIENT CONTROL RECORD

BATCH NO: 130533

Turn-Around Time:

- ☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: C&S Engineers

PROJECT NUMBER/NAME: Orange County Landfill

PHONE: 455-2000 (4341)

FAX: 455-9667

PURCHASE ORDER NO:

CONTACT NAME: Christopher M. Greig

Sampler's Name: Ben Murphy / Kevin Kane Signature: *Ben Murphy*

Collected	Date	Time	TYPE		MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
			Comp.	Grab	Aqueous	Soil			
	8/18/09	14:50	X	X			MW-3B1	8	see attached - Baseline
	8/19/09	15:10	X	X			MW-2075A	8	
	8/19/09	15:20	X	X			MW-207D	8	
	8/18/09	14:15	X	X			MW-220	8	
	8/20/09	08:45	X	X			MW-221S	8	
	8/20/09	08:15	X	X			MW-221D	8	
	8/18/09	14:30	X	X			MW-222	8	
	8/20/09	11:40	X	X			SW-3	7	
	↓	12:05	X	X			SW-5	7	
	↓	12:25	X	X			SW-8	7	
SPECIAL REMARKS:								77	TOTAL NUMBER OF CONTAINERS

fitting for dissolved metals completed on-site
SW samples - no dissolved metals

SAMPLES RELINQUISHED BY:

NAME: Ben Murphy
SIGNATURE: *Ben Murphy*

DATE: 8/20/09
TIME: 17:30

SAMPLES RECEIVED BY:

NAME: Chris Greig
SIGNATURE: *Chris Greig*

DATE: 8/20/09
TIME: 08:15

Samples Received in Good Condition:

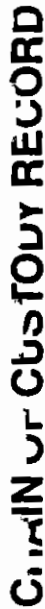
☒ Yes ☐ No

Temperature 3.4 °C

NAME:
SIGNATURE:

DATE:
TIME:

DATE:
TIME:



Phone: 315-478-2374

Fax: 315-478-2107

CLIENT NAME: CTS Engineers

ADDRESS: 499 Cal. Citrus Collins Blvd.

SYNOPSIS, NY 13212
PHONE: 455-2000 FX-43

FAX: 405-961-7

CONTACT NAME: Christen M. Craig

Sampler's Name: Ben Murphy Young & Son

Signature: Brynn / [Signature]

PROJECT NUMBER/NAME:

Orange County Landfill

PURCHASE ORDER NO:

Signature: Brynn / [Signature]

BATCH NO: B0563

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

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PARAMETERS FOR ANALYSIS

TOTAL NUMBER OF CONTAINERS

see attached - Baseline

CLIENT ID/SAMPLE LOCATION

545-12

14-7

51-15

TRIP BLANK

SPECIAL REMARKS:

TOTAL NUMBER OF CONTAINERS

SAMPLES RELINQUISHED BY:

NAME: Ben Murphy
SIGNATURE: B. Murphy

DATE: 8/20/09
TIME:

NAME: Don
SIGNATURE: _____

SAMPLES RECEIVED BY:

DATE: 8-20-09
TIME: 0815

NAME:
SIGNATURE:DATE:
TIME:NAME:
SIGNATURE:DATE:
TIME:

Samples Received in Good Condition:

☐ Yes ☐ No

Temperature

White - CES's Copy • Canary - Return to Client With Report • Pink - Clients Initial Copy

CHAIN OF CUSTODY RECORD



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: 135380

Turn-Around Time:

- ☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: CTS Engineers

ADDRESS:

PROJECT NUMBER/NAME:

Orange County Landfill

PHONE: 455-2000 (4341)

FAX: 455-9667

CONTACT NAME: Christina M. Craig

PURCHASE ORDER NO:

Sampler's Name: Ben Murphy / Kristin Craig Signature: *[Signature]*

Sample Number	Collected		TYPE	MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
	Date	Time	Comp.	Aqueous	Soil			
	8/20/09	09:15	X	X		MW-304 VS 1	8	See attached - Baseline
	8/20/09	09:25	X	X		MW-304 S	8	
	8/20/09	09:35	X	X		MW-304 D	8	
	8/19/09	13:00	X	X		MW-230 S	8	
	8/19/09	13:15	X	X		MW-230 D	8	
	8/20/09	10:05	X	X		MW-312 S	8	
	8/18/09	15:30	X	X		QC Dup. (PZ-1A)	8	
	8/20/09	13:25	X	X		QC Dup. (MW-221 D)	8	
	8/19/09	13:50	X	X		MW-223 S	8	
	8/19/09	14:05	X	X		MW-223 D	8	
TOTAL NUMBER OF CONTAINERS							40	

SPECIAL REMARKS: Filtering for dissolved metals completed on-site

SAMPLES RELINQUISHED BY:

NAME: Ben Murphy
SIGNATURE: *[Signature]*
DATE: 8/20/09
TIME: 17:30

SAMPLES RECEIVED BY:

NAME: Kristin Craig
SIGNATURE: *[Signature]*
DATE: 8-21-09
TIME: 0815

Samples Received in Good Condition:

☒ Yes ☐ No
Temperature 34 °C

NAME:
SIGNATURE:
DATE:
TIME:

CHAIN OF CUSTODY RECORD



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: B0580

Turn-Around Time:

- ☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

Page 2 of 4

PARAMETERS FOR ANALYSIS

CLIENT NAME: CES Engineers
ADDRESS: Orange County Landfill
PHONE: 455-2000 (4341)
FAX: 455-9667
CONTACT NAME: Christina M. Craig
PURCHASE ORDER NO:
PROJECT NUMBER/NAME:
Signature: [Signature]

Collected	Date	Time	TYPE		MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS
			Comp	Grab	Aqueous	Soil		
	8/20/09	07:30	X		X		MW-2325 I	8
	8/19/09	14:35	X		X		MW-2335	8
	8/19/09	14:50	X		X		MW-2340	8
	8/18/09	13:40	X		X		MW-2455	8
	8/18/09	13:55	X		X		MW-245A	8
	8/19/09	15:45	X		X		MW-3035	8
	8/19/09	15:55	X		X		MW-303D	8
	8/19/09	15:25	X		X		PZ-1A	8
	8/18/09	15:10	X		X		PZ-4	8
	8/18/09	15:45	X		X		PZ-11	8
TOTAL NUMBER OF CONTAINERS								80

SPECIAL REMARKS: littey for dissolved metals completed on-site

SAMPLES RELINQUISHED BY: NAME: [Signature] DATE: 8/20/09 TIME: 08:15
SIGNATURE: [Signature]
NAME: [Signature] DATE: 8/20/09 TIME: 08:15
SIGNATURE: [Signature]

SAMPLES RECEIVED BY: NAME: [Signature] DATE: 8/20/09 TIME: 08:15
SIGNATURE: [Signature]
NAME: [Signature] DATE: 8/20/09 TIME: 08:15
SIGNATURE: [Signature]

Samples Received in Good Condition: ☒ Yes ☐ No
Temperature 3.4 °C



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

CHAIN OF CUSTODY RECORD

BATCH NO: B0580

Page 3 of 4

Turn-Around Time:

- ☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: CES Engineers

PROJECT NUMBER/NAME:

Orange County Landfill

PHONE: 315-2000 (4341)

FAX: 315-9667

PURCHASE ORDER NO:

CONTACT NAME: Charleston M. Givins

Sampler's Name: Ben Murphy / Kevin K. Rone

Signature: Ben Murphy / Kevin K. Rone

Collected	Date	Time	TYPE			MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
			Comp.	Grab		Aqueous	Soil			
	8/18/09	14:50	X	X		X		MW-3B-1	8	see attached - Baseline
	8/19/09	15:10	X	X		X		MW-2075A	8	
	8/19/09	15:20	X	X		X		MW-207D	8	
	8/18/09	14:15	X	X		X		MW-220	8	
	8/20/09	08:45	X	X		X		MW-221S	8	
	8/20/09	08:15	X	X		X		MW-221D	8	
	8/18/09	14:30	X	X		X		MW-222	8	
	8/20/09	11:40	X	X		X		SW-3	7	
		12:05	X	X		X		SW-5	7	
		12:25	X	X		X		SW-8	7	
SPECIAL REMARKS:									77	TOTAL NUMBER OF CONTAINERS

Attorney for dissolved metals completed on-site
SW sampled - no dissolved metals

SAMPLES RELINQUISHED BY:

NAME: Ben Murphy

SIGNATURE: Ben Murphy

DATE: 8/20/09

TIME: 17:30

SAMPLES RECEIVED BY: 21

NAME: Kevin K. Rone

SIGNATURE: Kevin K. Rone

DATE: 8/20/09

TIME: 08:15

Samples Received in Good Condition:

☒ Yes ☐ No

Temperature 3.4 °C

NAME: SIGNATURE:

DATE: TIME:

NAME: SIGNATURE:

DATE: TIME:



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: 130534

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

Page 1 of 4

PARAMETERS FOR ANALYSIS

CLIENT NAME: CTS Engineers
ADDRESS: Orange County Landfill
PHONE: 455-2000 (4341)
FAX: 455-9667
CONTACT NAME: Christina M. Kain
PURCHASE ORDER NO:
Sampler's Name: Ben Murphy / Amy L. Law Signature: *[Signature]*

Collected	Date	Time	TYPE		MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	TOTAL NUMBER OF CONTAINERS
			Comp	Grab	Aqueous	Soil			
	8/20/09	09:15	X	X	X		MW-304 VS 1	8	X
	8/20/09	09:25	X	X	X		MW-304 S	8	X
	8/20/09	09:35	X	X	X		MW-304 D	8	X
	8/19/09	13:00	X	X	X		MW-230 S	8	X
	8/19/09	13:15	X	X	X		MW-230 D	8	X
	8/20/09	10:05	X	X	X		MW-312 S	8	X
	8/18/09	15:30	X	X	X		QC Dup. (PZ-1A)	8	X
	8/20/09	13:25	X	X	X		QC Dup. (MW-22/D)	8	X
	8/18/09	13:50	X	X	X		MW-223 S	8	X
	8/17/09	14:05	X	X	X		MW-223 D	8	X
TOTAL NUMBER OF CONTAINERS									40

See attached - Baseline

SPECIAL REMARKS:

filtering for dissolved metals completed on-site

SAMPLES RECEIVED BY:

NAME: Ben Murphy
SIGNATURE: *[Signature]*
DATE: 8/20/09
TIME: 17:30

SAMPLES RECEIVED BY:

NAME: Ben Murphy
SIGNATURE: *[Signature]*
DATE: 8-21-09
TIME: 0815

NAME:
SIGNATURE:
DATE:
TIME:
NAME:
SIGNATURE:
DATE:
TIME:

CHAIN OF CUSTODY RECORD



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: ROS84

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

Page 2 of 4

CLIENT NAME: CES Engineers

ADDRESS: Orange County Landfill

PHONE: 455-2000 (4341)

FAX: 455-9667

CONTACT NAME: Christina M. Craig

PROJECT NUMBER/NAME: Orange County Landfill

PURCHASE ORDER NO:

Sampler's Name: Ben Murphy / Kelly R. Ryan Signature: [Signature]

Collected	Date	Time	TYPE		MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
			Comp.	Grab	Aqueous	Soil			
	8/20/09	07:30	X	X	X		MW-2325 I	8	see attached - Baseline
	8/19/09	14:35	X	X	X		MW-2335	8	
	8/19/09	14:50	X	X	X		MW-2340	8	
	8/18/09	13:40	X	X	X		MW-2455	8	
	8/18/09	13:55	X	X	X		MW-245A	8	
	8/19/09	15:45	X	X	X		MW-3035	8	
	8/19/09	15:55	X	X	X		MW-303D	8	
	8/19/09	15:25	X	X	X		PZ-1A	8	
	8/18/09	15:10	X	X	X		PZ-4	8	
	8/18/09	15:45	X	X	X		PZ-11	8	
TOTAL NUMBER OF CONTAINERS								80	

SPECIAL REMARKS: littevery for dissolved metals completed on-site

SAMPLES RELINQUISHED BY: NAME: Ben Murphy DATE: 8/20/09 TIME: 17:30

SAMPLES RECEIVED BY: NAME: [Signature] DATE: 8-24-09 TIME: 0815

NAME: [Signature] DATE: TIME:

NAME: [Signature] DATE: TIME:

Samples Received in Good Condition: ☒ Yes ☐ No

Temperature 3.4 °C



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

CHAIN OF CUSTODY RECORD

BATCH NO: 130584

Turn-Around Time:

- ☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: C&S Engineers

PROJECT NUMBER/NAME:

Orange County Landfill

PHONE: 455-2000 (4341)

FAX: 455-9467

CONTACT NAME: Christopher M. Givis

PURCHASE ORDER NO:

Sampler's Name: Ben Murphy / Kathy L. Rowe

Signature: *Ben Murphy*

Collected	Date	Time	TYPE			MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
			Comp.	Grab	Aqueous	Soil	Other			
	8/18/09	14:50	X	X				MW-3B1	8	see attached - Baseline
	8/19/09	15:10	X	X				MW-2075A	8	
	8/19/09	15:20	X	X				MW-207D	8	
	8/18/09	14:15	X	X				MW-220	8	
	8/20/09	08:45	X	X				MW-221S	8	
	8/20/09	08:15	X	X				MW-221D	8	
	8/18/09	14:30	X	X				MW-222	8	
	8/20/09	11:40	X	X				SW-3	7	
		12:05	X	X				SW-5	7	
		12:25	X	X				SW-8	7	
SPECIAL REMARKS:									77	TOTAL NUMBER OF CONTAINERS

Attorney for dissolved metals completed on-site
SW samples - no dissolved metals

SAMPLES RELINQUISHED BY:

NAME: Ben Murphy
SIGNATURE: *Ben Murphy*
DATE: 8/20/09
TIME: 17:30

SAMPLES RECEIVED BY: 21

NAME: Chris Givis
SIGNATURE: *Chris Givis*
DATE: 8/20/09
TIME: 08:15

Samples Received in Good Condition:

Yes ☒ No ☐
Temperature 3.4 °C

NAME:
SIGNATURE:

DATE:
TIME:

NAME:
SIGNATURE:

DATE:
TIME:



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

CHAIN OF CUSTODY RECORD

BATCH NO: 13584

Page 4 of 4

Turn-Around Time:

- ☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: C&S Engineers

PROJECT NUMBER/NAME:

Orange County Landfill

ADDRESS: 499 Cal. Edison College Blvd.

Syracuse, NY 13212

PHONE: 455-2000 (x-4341)

FAX: 455-9667

PURCHASE ORDER NO:

CONTACT NAME: Christen M. Craig

Sampler's Name: Ben Murphy / Kevin R. Sam Signature: [Signature]

Collected	Date	Time	TYPE			MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
			Comp.	Grab	Aqueous	Soil	Other			
	8/20/09	11:25		X	X			SW-13	7	see attached - Baseline VOC's
		10:50		X	X			MH-7	7	
		10:30		X	X			MH-15	7	
	8/24/09							TRIP BLANK	1	
SPECIAL REMARKS:										TOTAL NUMBER OF CONTAINERS
									21	

SAMPLES RELINQUISHED BY:

NAME: Ben Murphy DATE: 8/20/09

SIGNATURE: [Signature] TIME: 17:30

NAME: [Signature] DATE:

SIGNATURE: TIME:

SAMPLES RECEIVED BY:

NAME: Shirley DATE: 8-20-09

SIGNATURE: [Signature] TIME: 0815

NAME: DATE:

SIGNATURE: TIME:

Samples Received in Good Condition:

☐ Yes ☐ No

Temperature °C



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

CLIENT NAME: CES Engineers
ADDRESS: Orange County Courthouse
PHONE: 455-2000 (4341)
FAX: 455-9667
CONTACT NAME: Christen M. Craig
PROJECT NUMBER/NAME: Orange County Courthouse
PURCHASE ORDER NO:
Signature: Bryan Murphy

CES Sample Number	Collected		TYPE			MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
	Date	Time	Comp.	Grab	Aqueous	Soil	Other			
8/20/09	09:15		X	X	X			MW-304 VS 1	8	X
8/20/09	09:25		X	X	X			MW-304 S	8	X
8/20/09	09:35		X	X	X			MW-304 D	8	X
8/19/09	13:00		X	X	X			MW-230 S	8	X
8/19/09	13:15		X	X	X			MW-230 D	8	X
8/20/09	10:05		X	X	X			MW-312 S	8	X
8/18/09	15:30		X	X	X			QC Dup. (PZ-1A)	8	X
8/20/09	13:25		X	X	X			QC Dup. (MW-22/D)	8	X
8/19/09	13:50		X	X	X			MW-223 S	8	X
8/19/09	14:05		X	X	X			MW-223 D	8	X
TOTAL NUMBER OF CONTAINERS									80	See attached - Baseline

SPECIAL REMARKS: filtering for dissolved metals completed on-site

SAMPLES RELINQUISHED BY: Bryan Murphy DATE: 8/20/09 TIME: 17:30
NAME: Bryan Murphy SIGNATURE: [Signature]
NAME: Bryan Murphy SIGNATURE: [Signature]
DATE: 8/20/09 TIME: 08:15
NAME: Bryan Murphy SIGNATURE: [Signature]
DATE: 8/20/09 TIME: 08:15

CHAIN OF CUSTODY / RECEIPT



Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: R05332

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: CTS Engineers

PROJECT NUMBER/NAME:

Orange County Landfill

PHONE: 455-2000 (4341)

FAX: 455-9667

CONTACT NAME: Christina M. Craig

PURCHASE ORDER NO:

Sampler's Name: Ben Murphy / Kevin Egan Signature: *Ben Murphy*

LAB USE ONLY	Collected		TYPE		MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
	Date	Time	Comp.	Grab	Aqueous	Soil			
	8/20/09	07:30		X	X		MW-2325 1	8	see attached - Baseline
	8/19/09	14:35		X	X		MW-2335	8	
	8/19/09	14:50		X	X		MW-2340	8	
	8/18/09	13:40		X	X		MW-2455	8	
	8/18/09	13:55		X	X		MW-245A	8	
	8/19/09	15:45		X	X		MW-3035	8	
	8/19/09	15:55		X	X		MW-303D	8	
	8/19/09	15:25		X	X		PZ-1A	8	
	8/18/09	15:10		X	X		PZ-4	8	
	8/18/09	15:45		X	X		PZ-11	8	
TOTAL NUMBER OF CONTAINERS								80	

SPECIAL REMARKS: *littey for dissolved metals completed on-site*

SAMPLES RELINQUISHED BY:

NAME: Ben Murphy
SIGNATURE: *Ben Murphy*
DATE: 8/20/09
TIME: 17:30

SAMPLES RECEIVED BY:

NAME: Ben Murphy
SIGNATURE: *Ben Murphy*
DATE: 8-20-09
TIME: 08:15

Samples Received in Good Condition:

☒ Yes ☐ No
Temperature 3.4 °C

NAME:
SIGNATURE:

DATE:
TIME:

NAME:
SIGNATURE:

DATE:
TIME:



Certified Environmental Services, Inc.
1401 Ene Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374

Fax: 315-478-2107

BATCH NO: 130582

Turn-Around Time:
☐ Standard
☐ 1 Week
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

CLIENT NAME: C&S Engineers
ADDRESS: Orange County Landfill
PHONE: 455-2000 (4341)
FAX: 455-9667
CONTACT NAME: Charsten M. Gray
PURCHASE ORDER NO:
Signature: Bry-McGee/Kerry L. Row

USE ONLY	CES Sample Number	Collected		TYPE	MATRIX		CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
		Date	Time		Comp.	Soil			
		8/18/09	14:50	X	X		MW-3B1	8	X
		8/19/09	15:10	X	X		MW-2075A	8	X
		8/19/09	15:20	X	X		MW-207D	8	X
		8/18/09	14:15	X	X		MW-220	8	X
		8/20/09	08:45	X	X		MW-221S	8	X
		8/20/09	08:15	X	X		MW-221D	8	X
		8/18/09	14:20	X	X		MW-222	8	X
		8/20/09	11:40	X	X		SW-3	7	X
		↓	12:05	X	X		SW-5	7	X
		↓	12:25	X	X		SW-8	7	X
TOTAL NUMBER OF CONTAINERS								77	77

SPECIAL REMARKS: Attorney for dissolved metals completed on-site
SW samples - no dissolved metals

SAMPLES RELINQUISHED BY: Bry-McGee DATE: 8/20/09 TIME: 17:30
NAME: Bry-McGee SIGNATURE: [Signature]
NAME: Charsten M. Gray SIGNATURE: [Signature]
NAME: Bry-McGee SIGNATURE: [Signature]
NAME: Charsten M. Gray SIGNATURE: [Signature]

SAMPLES RECEIVED BY: 21 DATE: 8/20/09 TIME: 08:15
NAME: [Signature] SIGNATURE: [Signature]
NAME: [Signature] SIGNATURE: [Signature]
NAME: [Signature] SIGNATURE: [Signature]
NAME: [Signature] SIGNATURE: [Signature]

APPENDIX C

GROUNDWATER CONTOUR MAP

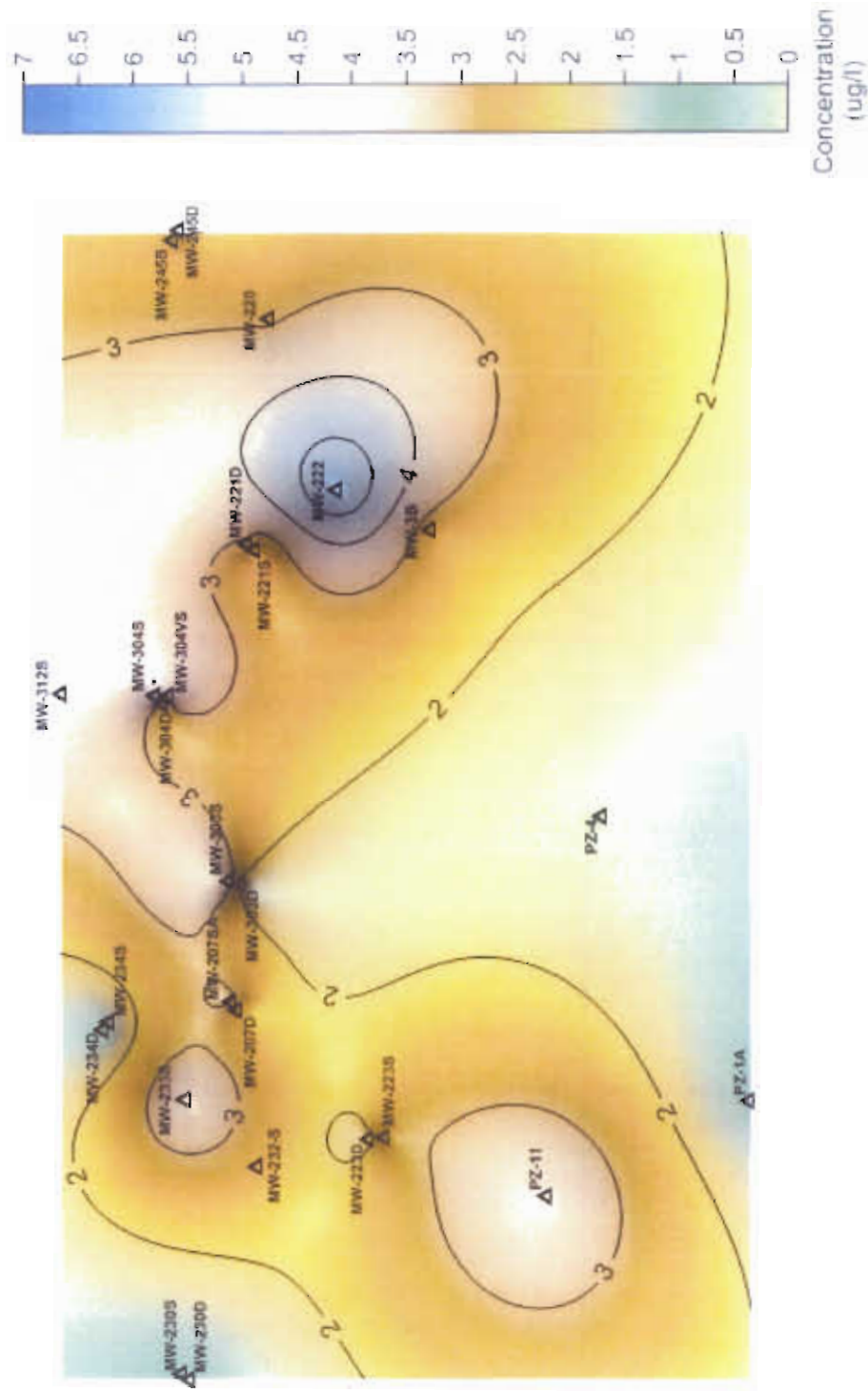
Note: MW-304VS and MW-312S groundwater elevation data not included

APPENDIX D

ISOPLETH CONCENTRATION MAPS

Orange County Landfill Goshen, New York

TOC Isopleth Map
August 2009



450 Concentration Contour Line

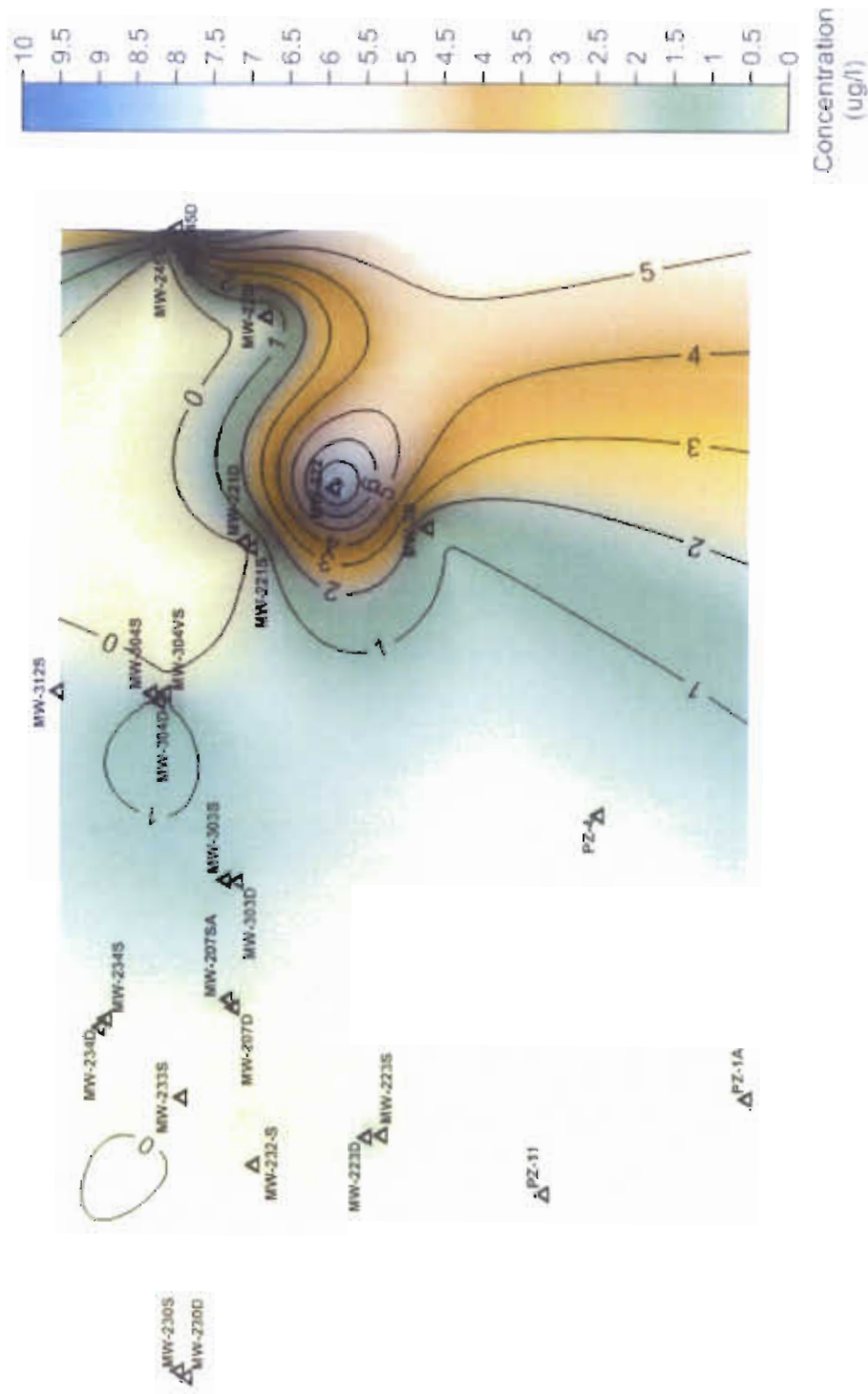
Δ MW-304VS Monitoring Well Location

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

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

Orange County Landfill Goshen, New York

Ammonia Isopleth Map August 2009

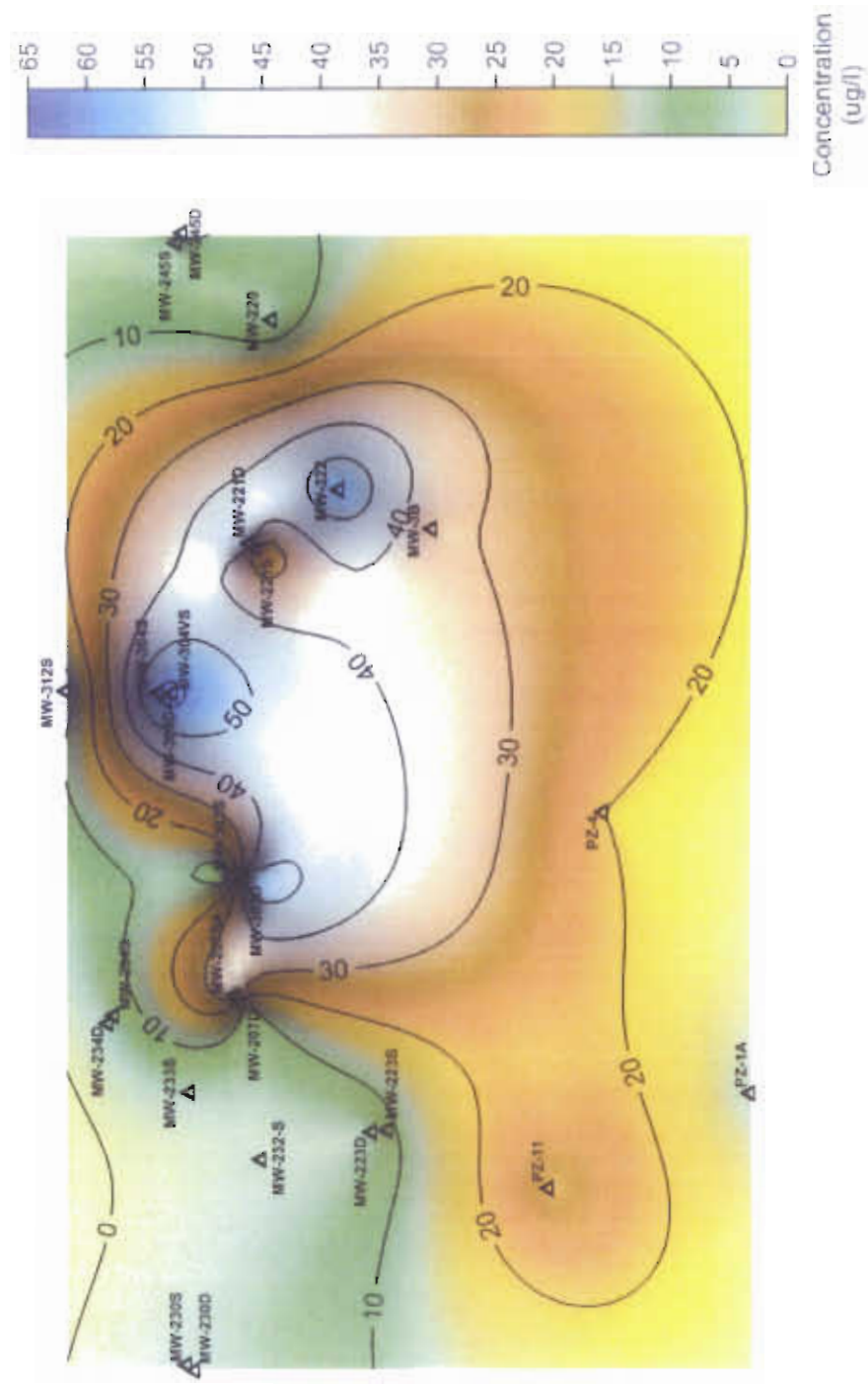


Note: Values reported as less than method detection limits are imputed equal to method detection limits.

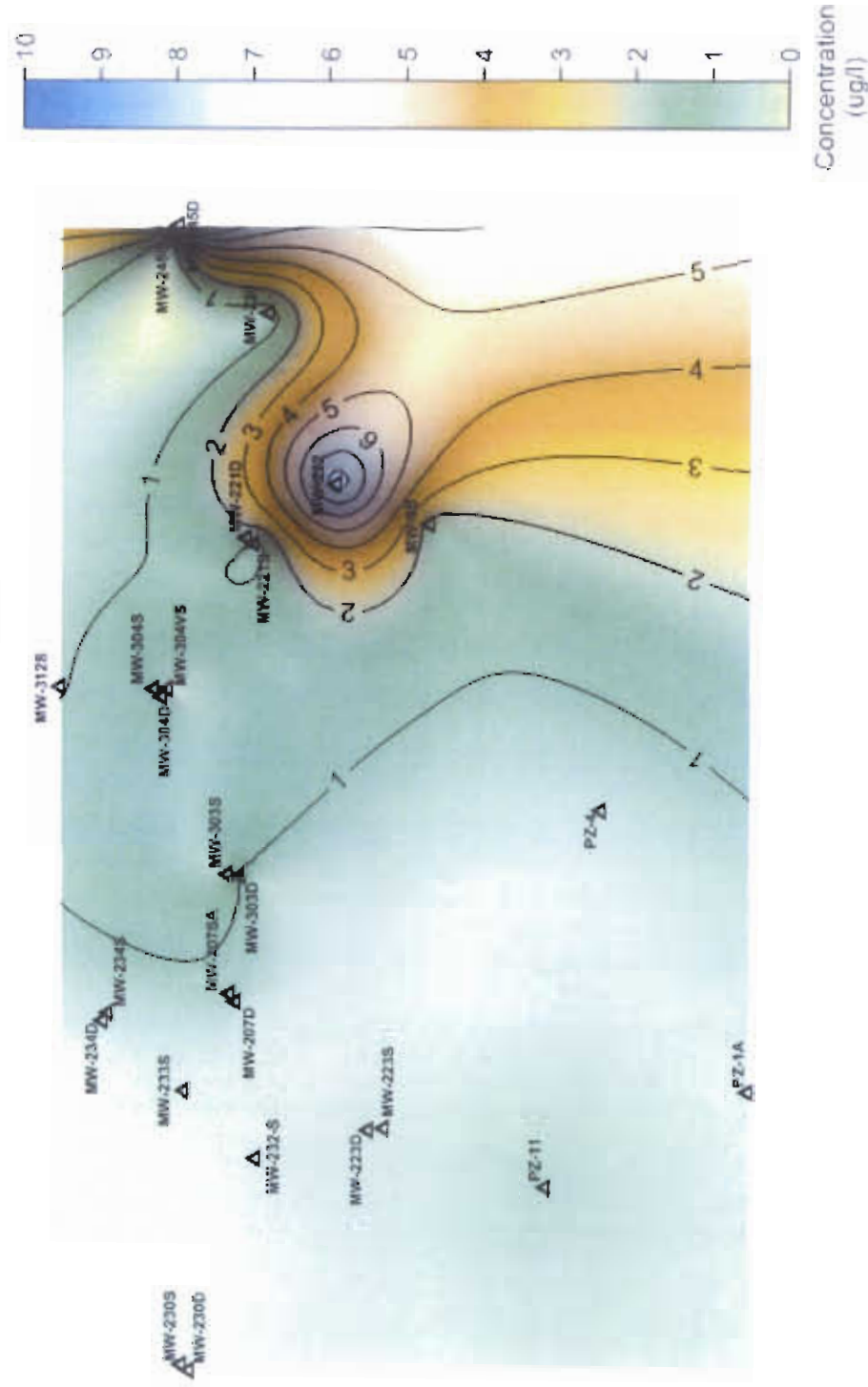
Chloride Isopleth Map
August 2009

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

Orange County Landfill Goshen, New York COD Isopleth Map August 2009



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

TKN Isopleth Map
August 2009

Concentration Contour Line

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

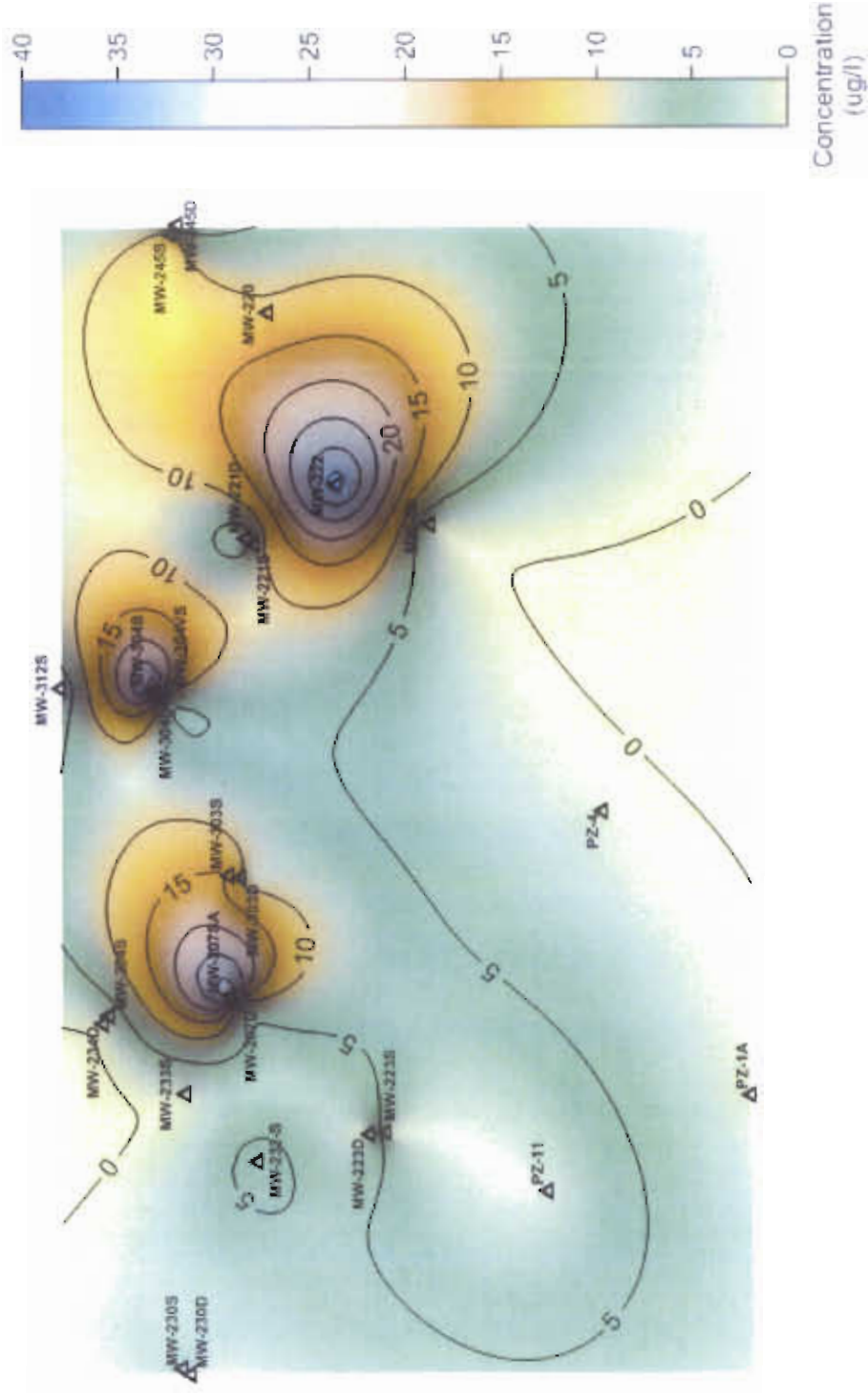
Note: Values reported as less than method detection limits are imputed equal to method detection limits

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

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

Orange County Landfill Goshen, New York

Iron Isopleth Map August 2009



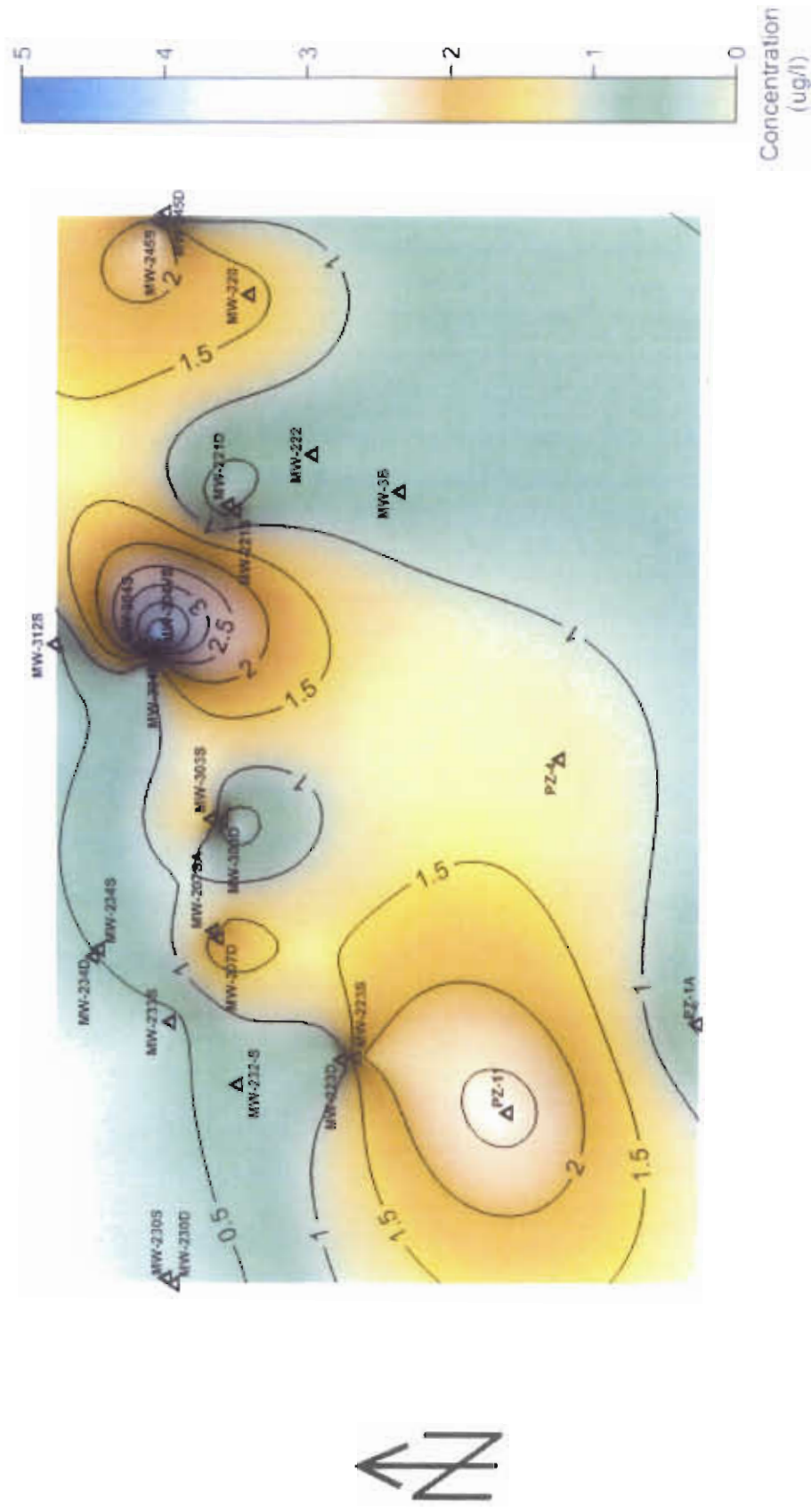
450 Concentration Contour Line

Δ MW-304VS Monitoring Well Location

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

**Orange County Landfill
Goshen, New York**

Manganese Isopleth Map
August 2009



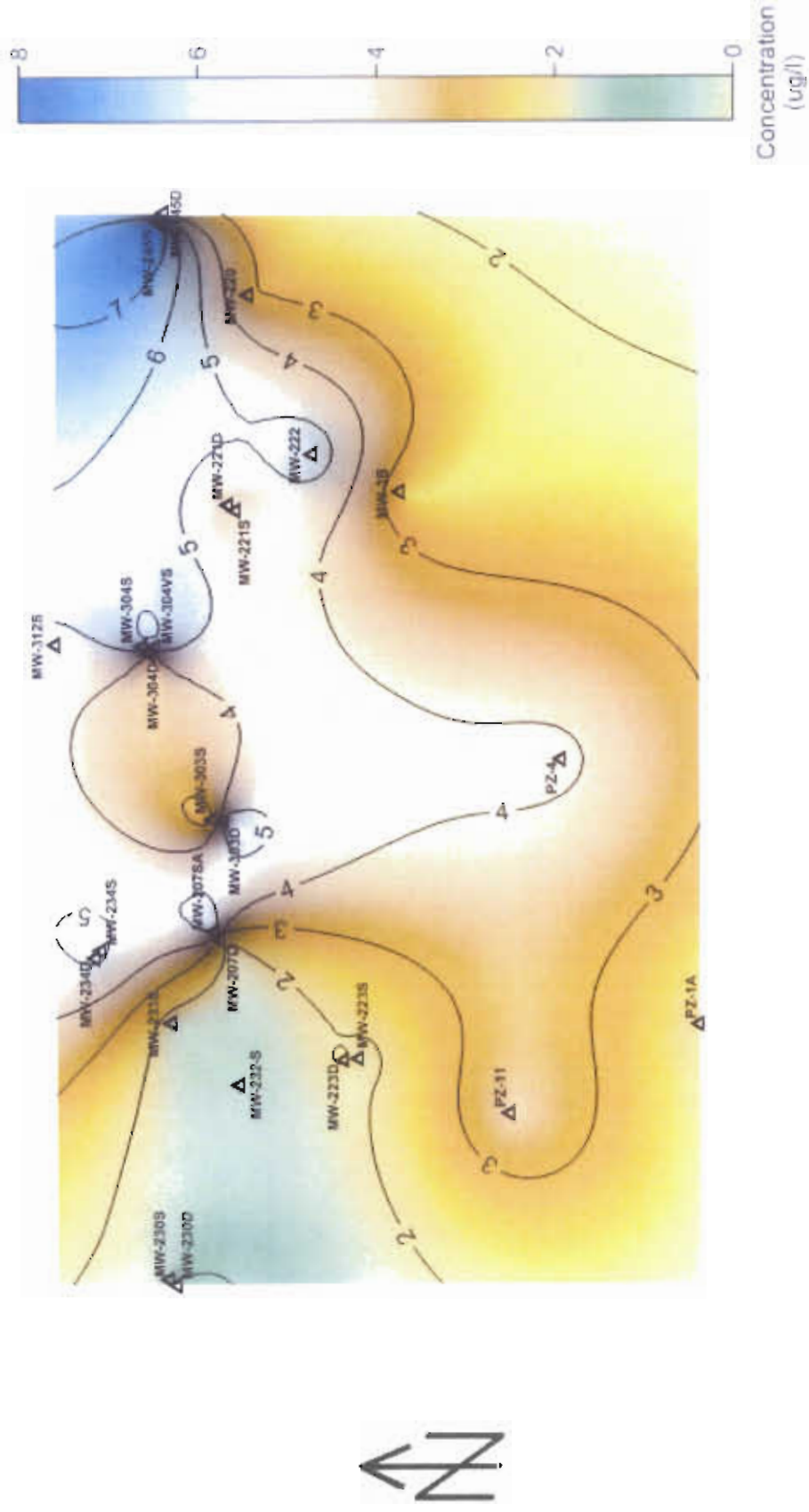
Concentration Contour Line

Δ MW-304VS

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

Orange County Landfill
Goshen, New York

Potassium Isopleth Map
August 2009



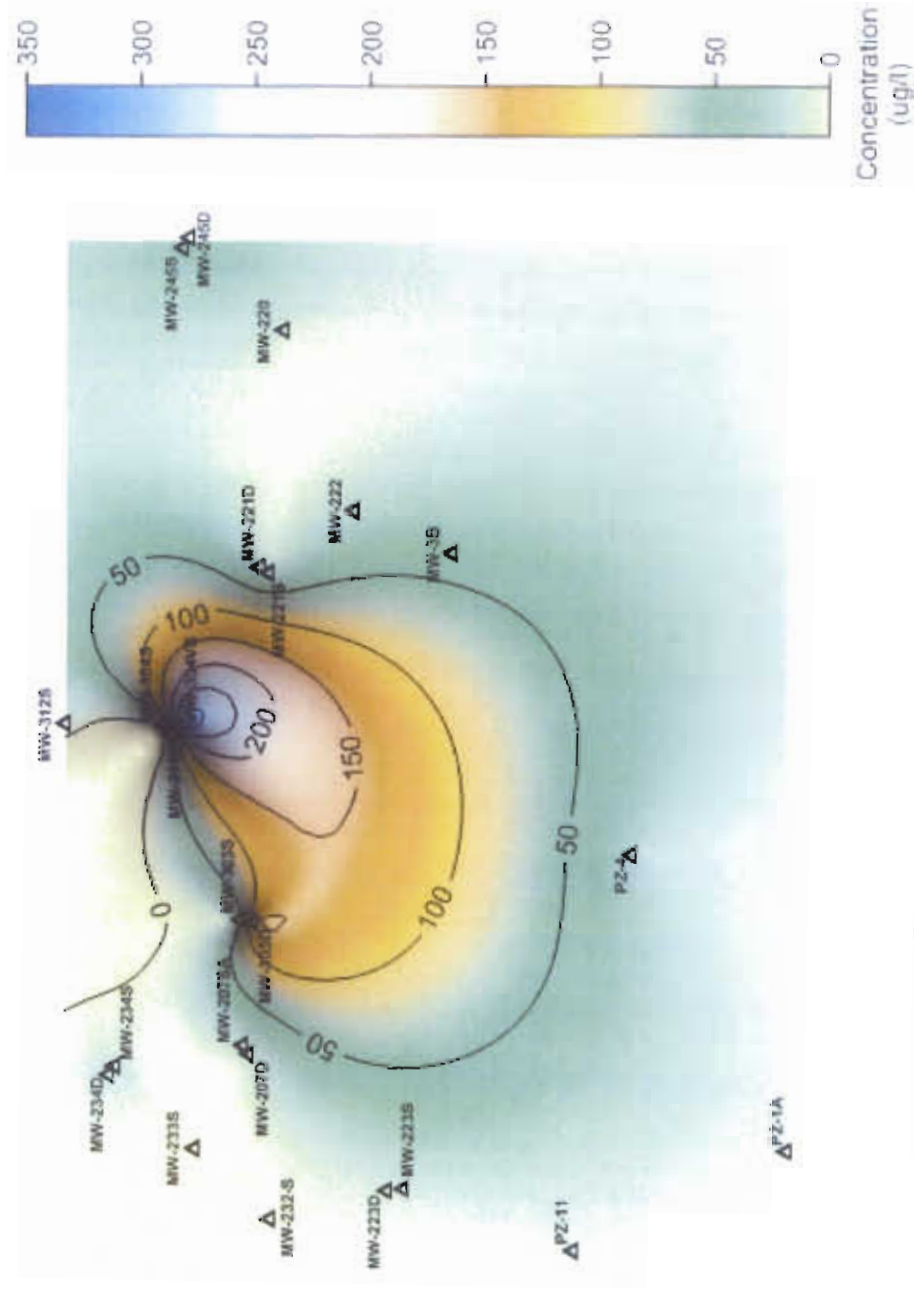
450' Concentration Contour Line

Δ MW-304VS Monitoring Well Location

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

Orange County Landfill Goshen, New York

Sodium Isopleth Map August 2009



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



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