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MISSING PG 6 OF 57 OF SOUTHERN ANALYTICAL LAB REPORT; SECOND PAGE OF VOC RESULTS @ GW-3

ELEVATED MDL'S REPORTED FOR EDB & DBCP

REPORT FORMS NOT PROVIDED

1 OF 18 WELLS REPORTED ELEVATED TURBIDITY

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Review Copy
39884 JTM 1/12/07

(GW) SW LEACHATE

July 8, 2006

Mr. John Morris, P.G.
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JUL 14 2006
SOUTHWEST DISTRICT
TAMPA

Re: Semi-Annual Water Quality Monitoring Report
First Half 2006 Sampling Event
Lena Road Landfill
GMS ID No. 4041M02025
Modification #39884-012-SO/MM to existing FDEP Permit No. 39884-010-SO/01

Dear Mr. Morris:

On behalf of the Solid Waste Division of Manatee County's Utility Operations Department, PBS&J is pleased to present this Semi-Annual Water Quality Monitoring Report for the first half 2006 sampling event at the Lena Road Landfill (LRL) in Manatee County. This document is designed to meet the requirements of Specific Condition 11 of the modification referenced above to LRL's permit, and was prepared in general accordance with the guidelines promulgated in Chapter 62-701.510(9)(a) of the Florida Administrative Code (FAC).

BACKGROUND

The LRL facility is located at 3333 Lena Road in Bradenton, Florida. The LRL facility operates under Permit Number 39884-010-SO, which is on file with the Florida Department of Environmental Protection (FDEP). The LRL is constructed with a perimeter slurry wall in three stages that are designated Stages I, II and III. Landfill leachate is collected by a leachate collection system.

The water quality monitoring network at the LRL consists of the following components: FEBRUARY 2006 SAMPLING EVENT

- The leachate samples are collected from the lift stations.

- Groundwater samples are collected from 18 monitoring wells, which are designated GW-1 through GW-17, and BGW-1. All of the wells are used to monitor the quality of the groundwater of the surficial aquifer. GW-1 through GW-17 are detection wells, and BGW-1 is the designated background well. This is a new groundwater monitoring network at the LRL. All of these wells except GW-11 were installed in the summer of

2005. The old well network was abandoned at that time. Installation of GW-11 was postponed until April 2006 because of construction activities.

- The surface water samples are collected from two points along the Cypress Strand. One is located upstream of the LRL and is designated SW-2, and the other, designated SW-1, is located downstream of the LRL.

The layout of the water quality monitoring network is presented in Figure 1.

Leachate, groundwater and surface water samples were collected from the LRL network for the first half 2006 sampling event during the period between February 27 and 28, 2006. The samples were collected by representatives of Southern Analytical Laboratories, Inc. The samples were analyzed for the inorganic parameters by Manatee County Utility Operations' Central Wastewater Laboratory, and were analyzed for the other parameters by Southern Analytical Laboratories, Inc. The leachate, surface water and groundwater samples were analyzed for the parameters listed in Specific Conditions 8(a), 9(c) and 4 (c), respectively, of the LRL's permit modification. Because of the delay in installing GW-11, it was sampled initially in April 2006. The sample was analyzed for the parameters listed in Specific Condition 4(b) of the LRL's permit modification. The results of the initial sampling are included in this report.

A Florida Department of Environmental Protection (FDEP) Ground Water Monitoring Report form for the first half 2006 sampling event at the LRL is provided in Attachment A.

FIRST HALF 2006 SAMPLING EVENT METHODOLOGY

The samples were collected in general accordance with the FDEP's Standard Operating Procedure for Field Activities (SOP 001/01). Prior to sampling the monitoring wells, they were purged with a peristaltic pump using the "low-flow" method. A minimum equivalent of three well volumes was purged from each well prior to sample collection. Temperature, pH, conductivity, dissolved oxygen (DO), and turbidity measurements were monitored and recorded throughout the purging process to ensure that representative water samples were collected. Copies of the field data sheets and the field equipment calibration logs from this sampling event are provided in Attachment B.

Depth-to-groundwater measurements were made from the top-of-casing (TOC) at each monitoring well prior to initiating the purging process. The water level measurements were subtracted from the TOC elevations to determine the elevation of the water table at each well. The TOC and water level elevations are referenced in feet above the National Geodetic Vertical Datum (NGVD).

FIRST HALF 2006 SAMPLING EVENT RESULTS

Leachate Analytical Results

The only detections in the leachate samples during this sampling event were numerous inorganic analytes, which were detected in all three leachate samples, and one pesticide/herbicide, 2,4,5-T, which was detected in one leachate sample. The concentration of every parameter that was detected in the leachate was compared to the regulatory levels listed in 40 CFR Part 261.24, as required by the Florida solid waste regulations. A standard has not been established for every parameter. None of the parameter concentrations detected in the leachate exceeded their respective regulatory level.

A summary of the leachate analytical results is presented in Table 1. The complete leachate analytical report is provided in Attachment C-1.

Groundwater Analytical Results

The only analytes that were detected in the groundwater during this sampling event were inorganic parameters, including all of those that were tested except for beryllium, cadmium, copper, lead, mercury, and silver. A summary of the groundwater analytical results is presented in Table 2. The complete groundwater analytical report is provided in Attachment C-2.

All of the parameters detected in the groundwater samples were compared to their respective Maximum Contaminant Level (MCL) or Secondary Drinking Water Standard (SDWS) in accordance with the solid waste regulations. The MCLs and SDWSs for Drinking Water Standards, Monitoring, and Reporting are promulgated in Chapter 62-550 FAC. Not every parameter has an MCL or SDWS. Six parameters, pH, antimony, arsenic, chloride, iron, and TDS, were detected in at least one well location at a concentration that exceeds the standards. A description of the detection patterns with these parameters is as follows:

- pH – The pH was lower than the prescribed SDWS range of 6.5 to 8.5 at all of the wells except GW-1, GW-2, GW-6, GW-9, GW-10, GW-14, and GW-16. The pH was also outside of the prescribed range at the background well.

- Antimony - The MCL for antimony is 0.006 milligrams per liter (mg/L). The antimony concentration in the samples collected at GW-13 exceeded the MCL.

- Arsenic – The MCL for arsenic is 0.01 mg/L. The arsenic concentration in the samples collected at GW-1, GW-2, GW-5, GW-9, GW-12, GW-14, and GW-15 exceeded the MCL.

- Chloride – Chloride has an SDWS of 250 mg/L. The concentration of chloride exceeded the SDWS in the sample collected at GW-14.

- Iron – Iron has an SDWS of 0.3 mg/L. The concentration of iron exceeded the SDWS in the samples collected at all of the wells except GW-7, GW-8, and BGW-1.

- TDS - TDS has an SDWS of 500 mg/L. The concentration of TDS exceeded the SDWS in the samples collected at GW-10, GW-13, and GW-14.

GW-11 Analytical Results

The analytical results at GW-11 were similar to those of the rest of the wells in the network with exceedances of pH and iron. There were also detections of some base neutral analytes at very low concentrations.

A summary of the initial groundwater analytical results at GW-11 is presented in Table 3. The complete groundwater analytical report is provided in Attachment C-2.

Surface Water Analytical Results

There were no organic constituents detected in the surface water. However, all of the inorganic parameters except antimony, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, and silver were detected in at least one of the surface water samples. The concentrations of the inorganic parameters were compared to their respective Surface Water Cleanup Target Levels (SWCTLs) for Class III fresh water as a relative measure of the water quality. The SWCTLs are promulgated in Chapter 62-777, FAC. The only parameters that was detected in the surface water at a concentration in excess of its SWCTL were fecal coliform at SW-1, and arsenic, fecal coliform, and iron at SW-2. The field dissolved oxygen (DO) reading at SW-2 was also lower than the target level.

A summary of the surface water analytical results for each sampling event is presented in Table 4. The complete surface water analytical report is provided in Attachment C-3.

Groundwater Flow Pattern

The groundwater elevation data is presented in Table 5. The water level elevation data was plotted and contoured to generate the water table elevation contour map presented as Figure 2. The configuration of the water table indicates that the groundwater within the surficial aquifer

beneath the LRL (outside the boundary of the landfill) was flowing in a north-northwesterly direction during this sampling event. The average horizontal gradient of the water table across the site measured 0.0025 feet per foot (ft/ft).

SUMMARY AND CONCLUSIONS

The results of the first half 2006 sampling event at the LRL are similar to those of the recent sampling events, with numerous inorganic parameter detections in the leachate, groundwater and surface water, along with a few organic detections. The only parameters that were detected at concentrations in excess of the State regulatory standards were inorganic parameters in the groundwater and surface water, including pH, antimony, arsenic, chloride, iron, and TDS in the groundwater, and arsenic, fecal coliform, and iron in the surface water. The parameters that were consistently detected were pH and iron. Both of these parameters have SDWSs. These parameters were also detected at elevated concentrations at the background wells, suggesting that their presence reflects the natural chemistry of the groundwater in the area.

If you have any questions regarding this report or need any additional information then please call me at (407) 647-7275, ext. 4339.

Very truly yours,

Greg Mudd, P.G.
Senior Geologist

C: Mr. Gus DiFonzo, Manatee County Solid Waste Division
File, 120498.91 9300

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TABLES

TABLES

Table 2 - Groundwater Analytical Summary
First Half 2006

Analyte			Surficial Aquifer Wells																
	Well:		GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10	GW-12	GW-13	GW-14	GW-15	GW-16	GW-17	BGW-1
	Sample Identifier:		GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10	GW-12	GW-13	GW-14	GW-15	GW-16	GW-17	BGW-1
	Date of Test:		2/27/2006	2/27/2006	2/27/2006	2/27/2006	2/27/2006	2/27/2006	2/27/2006	2/28/2006	2/28/2006	2/28/2006	2/28/2006	2/28/2006	2/28/2006	2/28/2006	2/27/2006	2/27/2006	2/27/2006
	Standard[1]	Units																	
Field Measurements																			
Temperature		degrees C	20.6	21.8	21.3	20.6	21.8	21.9	22.4	20.6	21.1	20.6	22.5	22.8	20.3	19.7	22.5	21.8	23.3
pH	6.5-8.5*	STD	6.5	6.5	6.2	5.9	6.1	6.5	6.4	5.8	6.7	6.5	6	6.4	6.6	6.4	6.5	5.5	6.1
Conductivity		umhos/cm	709	655	690	344	480	330	304	407	586	932	669	2022	2271	692	580	130	635
Dissolved Oxygen (DO)		mg/l	0.3	0.2	0.2	0.2	0.1	0.3	0.1	0.3	0.4	0.6	0.2	0.2	2	0.2	0.1	0.3	0.3
Turbidity		NTU	3.3	50	4.1	5.4	2	2.4	5.8	16	0.9	11	4.4	4.6	0.7	1.2	14	13	8.7
Inorganics																			
Antimony	0.006	mg/l	0.002	0.003	0.002	≤0.0015	0.0015	≤0.0015	≤0.0015	≤0.0015	≤0.0015	0.0015	0.003	0.008	0.006	≤0.0015	≤0.0015	≤0.0015	0.0015
Arsenic	0.01	mg/l	0.045	0.025	≤0.007	≤0.007	0.018	0.01	≤0.007	≤0.007	0.021	0.01	0.012	0.007	0.016	0.011	≤0.007	≤0.007	≤0.007
Barium	2	mg/l	0.004	0.007	0.004	0.005	0.014	0.004	0.008	0.018	0.016	0.052	0.057	0.033	0.053	0.04	0.019	0.005	0.013
Beryllium	0.004	mg/l	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002	≤0.0002
Cadmium	0.005	mg/l	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005	≤0.0005
Chloride	250*	mg/l	48.1	23.3	40.2	11.2	24	10.8	10.9	31.1	22.5	18	6.49	32	429	89.4	79	5.79	83.1
Chromium	0.1	mg/l	0.001	0.002	0.002	0.002	0.002	≤0.001	0.002	0.004	≤0.001	≤0.001	0.001	0.001	0.001	0.002	0.001	0.006	≤0.001
Cobalt		mg/l	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	0.002	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001
Copper	1*	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	0.01	≤0.005	≤0.005	≤0.005	≤0.005
Iron	0.3*	mg/l	7.41	12.3	8.28	10	16.8	5.64	0.113	0.256	6.8	8.09	3.42	8.45	23.576	18	1.89	3.75	0.209
Lead	0.015	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	≤0.005	≤0.005
Mercury	0.002	mg/l	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	0.1	mg/l	0.001	≤0.001	≤0.001	≤0.001	0.002	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	≤0.001	0.002	≤0.001	0.001	≤0.001	0.001
Nitrate	10	mg/l	0.006	≤0.006	≤0.006	≤0.006	≤0.006	≤0.006	≤0.006	≤0.006	≤0.006	≤0.006	≤0.006	≤0.006	≤0.006	0.043	≤0.006	≤0.006	≤0.006
Selenium	0.05	mg/l	0.001	0.003	0.002	0.001	0.001	≤0.0002	0.001	0.001	0.001	0.001	0.002	0.004	0.001	0.001	0.001	0.001	0.001
Silver	0.1*	mg/l	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002	≤0.002
Sodium	160	mg/l	19.7	13.9	32.2	6.43	21.6	15.3	10.8	17.6	16.1	17.2	5.57	27.7	141	57.8	62.9	5.37	66.4
Thallium	0.002	mg/l	0.001	0.001	≤0.0004	0.0004	≤0.0004	0.001	≤0.0004	0.001	≤0.0004	0.001	≤0.0004	≤0.0004	≤0.0004	≤0.0004	≤0.0004	≤0.0004	≤0.0004
Total Ammonia-N		mg/l	0.732	0.843	0.591	0.592	1.08	0.454	0.715	1.05	0.856	2.06	1.24	5.32	0.487	0.98	0.784	1.65	0.997
Total Dissolved Solids (TDS)	500*	mg/l	430	393	463	225	302	207	264	320	326	518	434	1390	1640	403	376	116	374
Vanadium		mg/l	0.005	0.012	0.013	0.009	0.007	0.005	0.005	0.016	0.001	0.002	0.007	0.005	0.005	0.008	0.004	0.026	0.004
Zinc	5*	mg/l	0.01	0.012	≤0.010	≤0.010	≤0.010	≤0.010	0.012	≤0.010	≤0.010	0.011	0.011	0.01	≤0.010	0.016	≤0.010	0.013	0.01
Organics																			
Acetone		ug/l	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
Acrylonitrile		ug/l	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Benzene	1	ug/l	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Bromochloromethane		ug/l	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58
Bromodichloromethane		ug/l	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Bromomethane		ug/l	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
2-Butanone		ug/l	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4	<8.4
Carbon disulfide		ug/l	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85	<0.85
Carbon tetrachloride	3	ug/l	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Chlorobenzene		ug/l	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	1.8	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
Chloroethane		ug/l	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
Chloromethane	5	ug/l	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64
Dibromochloromethane		ug/l	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34

Table 2 - Groundwater Analytical Summary
First Half 2006

Analyte			Surficial Aquifer Wells																
		Well:	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10	GW-12	GW-13	GW-14	GW-15	GW-16	GW-17	BGW-1
		Sample Identifier:	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	GW-8	GW-9	GW-10	GW-12	GW-13	GW-14	GW-15	GW-16	GW-17	BGW-1
		Date of Test:	2/27/2006	2/27/2006	2/27/2006	2/27/2006	2/27/2006	2/27/2006	2/27/2006	2/28/2006	2/28/2006	2/28/2006	2/28/2006	2/28/2006	2/28/2006	2/28/2006	2/27/2006	2/27/2006	2/27/2006
	Standard(1)	Units																	
Organics																			
Dibromochloropropane		ug/l	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74
Dibromomethane		ug/l	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Dichloromethane		ug/l	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylene dibromide		ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene		ug/l	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
1,4-Dichlorobenzene		ug/l	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52
1,1-Dichloroethane		ug/l	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52
1,2-Dichloroethane	3	ug/l	<0.50	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
1,1-Dichloroethene	7	ug/l	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
cis-1,2-Dichloroethene		ug/l	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65
trans-1,2-Dichloroethene	100	ug/l	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
1,2-Dichloropropane	5	ug/l	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52
cis-1,3-Dichloropropene		ug/l	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
trans-1,3-Dichloropropene		ug/l	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
t-1,4-Dichloro-2-butene		ug/l	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	700	ug/l	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
2-Hexanone		ug/l	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4
Iodomethane		ug/l	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
4-Methlyl-2-pentanone		ug/l	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8
Styrene	100	ug/l	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98
1,1,1,2-Tetrachloroethane		ug/l	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63
1,1,2,2-Tetrachloroethane		ug/l	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Tetrachloroethene	3	ug/l	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Toluene	1000	ug/l	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Tribromomethane		ug/l	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58	<0.58
1,1,1-Trichloroethane	200	ug/l	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,1,2-Trichloroethane	5	ug/l	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Trichloroethene	3	ug/l	<0.28	<0.28	<0.28	0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Trichloromethane		ug/l	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90
Trichlorofluoromethane		ug/l	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98	<0.98
1,2,3-Trichloropropane		ug/l	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Vinyl acetate		ug/l	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Vinyl chloride	1	ug/l	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total xylenes	10000	ug/l	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30

Notes: (1) - Maximum Contaminant Level, as established in Chapter 62-550. Those marked by an * are Secondary Drinking Water Standards (SDWSs). Analyte concentrations shown with shading represent an exceedance ot its MCL or SDWS.
Abbreviations: BDL = below detection limits.; umhos/cm = microohms per centimeter; mg/l = miligrams per liter; NTU = nephelometric turbidity units; ug/l = micrograms per liter; NA = Not analyzed..

Table 3
GW-11 Groundwater Analytical Summary
Lena Road Landfill
First Half 2006

Analyte			Location:	GW-11
			Sample Identifier:	GW-11
			Date of Test:	04/24/06
	Standard(1)	Units		
Field Measurements				
pH	6.5-8.5*	STD		5.8
Conductivity		umhos/cm		652
Turbidity		NTU		2
Temperature		°C		22.5
Dissolved Oxygen (DO)		mg/l		0.2
Inorganics				
Antimony	0.006	mg/l		0.003
Arsenic	0.01	mg/l		≤0.007
Barium	2	mg/l		0.01
Beryllium	0.004	mg/l		≤0.0002
Cadmium	0.005	mg/l		≤0.0005
Chloride	250*	mg/l		46.8
Chromium	0.1	mg/l		≤0.001
Cobalt		mg/l		≤0.001
Copper	1*	mg/l		≤0.005
Cyanide	0.2	mg/l		<0.0005
Iron	0.3*	mg/l		6.35
Lead	0	mg/l		≤0.005
Mercury	0.015	mg/l		<0.0001
Nickel	0.1	mg/l		≤0.001
Nitrate	10	mg/l		≤0.006
Selenium	0.05	mg/l		0.002
Silver	0.1*	mg/l		≤0.002
Sodium	160	mg/l		40.1
Total Ammonia - N		mg/l		1.39
Thallium	0.002	mg/l		≤0.0004
Tin as SN		mg/l		0.1
Total Dissolved Solids (TDS)	500*	mg/l		434
Total Sulfide		mg/l		3.7
Vanadium		mg/l		0.001
Zinc	5*	mg/l		0.159
Pesticides & Herbicides				
2,4-D	70	ug/l		<0.36
2,4,5-T		ug/l		<0.046
3 & 4 methylphenol		ug/l		<2.4
A-BHC		ug/l		<0.00051
Aldrin		ug/l		<0.00065
B-BHC		ug/l		<0.0063
Chlordane		ug/l		<0.057
D-BHC		ug/l		<0.0074
Dieldrin		ug/l		<0.00086
Dinoseb	7	ug/l		<0.42
Endosulfan Sulfate		ug/l		<0.0070
Endosulfan-I		ug/l		<0.0063
Endosulfan-II		ug/l		<0.0078
Endrin		ug/l		<0.0035
Endrin Aldehyde		ug/l		0.0067
G-BHC(Lindane)		ug/l		<0.011
Heptachlor	0.4	ug/l		<0.011
Heptachlor Epoxide	0.2	ug/l		<0.0060
Methoxychlor	40	ug/l		<0.0082

Analyte		Location:	GW-11
		Sample Identifier:	GW-11
		Date of Test:	04/24/06
	Standard(1)	Units	
PCB-1016	0.5	ug/l	<0.26
PCB-1221	0.5	ug/l	<0.15
PCB-1232	0.5	ug/l	<0.38
PCB-1242	0.5	ug/l	<0.077
PCB-1248	0.5	ug/l	<0.070
PCB-1254	0.5	ug/l	<0.12
PCB-1260	0.5	ug/l	<0.10
PP-DDD		ug/l	<0.0047
PP-DDE		ug/l	<0.0031
PP-DDT		ug/l	<0.0042
Silvex	50	ug/l	<0.036
Toxaphene	3	ug/l	<0.72
Organics, Acid Extractables			
2,4,6-Trichlorophenol		ug/l	<1.9
2,3,4,6-Tetrachlorophenol		ug/l	<0.66
2,4,5-Trichlorophenol		ug/l	<2.1
2,4-Dichlorophenol		ug/l	<1.8
2,4-Dimethylphenol		ug/l	<1.8
2,4-Dinitrophenol		ug/l	<6.3
2,6-Dichlorophenol		ug/l	<1.6
2-Chlorophenol		ug/l	<2.1
2-Methyphenol		ug/l	<2.3
2-Nitrophenol		ug/l	<1.2
4,6-Dinitro-2-methylphenol		ug/l	<1.5
4-Chloro-3-methylphenol		ug/l	<1.7
4-Nitrophenol		ug/l	<6.3
Pentachlorophenol	100,000	ug/l	<1.5
Phenol		ug/l	<2.4
Base Neutrals			
1,2,4,5-Tetrachlorobenzene		ug/l	<1.1
1,2,4-Trichlorobenzene	70	ug/l	<1.2
1,3,5-Trinitrobenzene		ug/l	<0.62
1,3-Dinitrobenzene		ug/l	<1.0
1,4-Naphthoquinone		ug/l	<0.55
1-Naphthylamine		ug/l	<0.85
2,4-Dinitrotoluene		ug/l	<0.92
2,6-Dinitrotoluene		ug/l	<0.73
2-Acetylaminoflourene		ug/l	<0.78
2-Chloronaphthalene		ug/l	<1.6
2-Methylnaphthalene		ug/l	<1.6
2-Naphthylamine		ug/l	<1
2-Nitroaniline		ug/l	<1.4
3,3-Dichlorobenzidine		ug/l	<1.6
3,3-Dimethylbenzidine		ug/l	<14
3-Methylcholanthrene		ug/l	<0.57
3-Nitroaniline		ug/l	<1.2
4-Aminobiphenyl		ug/l	<0.82
4-Bromophenyl-phenylether		ug/l	<1.7
4-Chloroaniline		ug/l	<2.1
4-Chlorophenylphenylether		ug/l	<1.8
4-Nitronaline		ug/l	<1.4
5-Nitro-o-toluidine		ug/l	<0.91

Analyte		Location:	GW-11
		Sample Identifier:	GW-11
		Date of Test:	04/24/06
	Standard(1)	Units	
7,12-Dimethylbenz(a)anthracene		ug/l	<0.93
Acenaphthene		ug/l	<1.5
Acenaphthylene		ug/l	<1.8
Acetophenone		ug/l	<1.5
Anthracene		ug/l	<1.0
Benzo(a)anthracene		ug/l	<1.6
Benzo(a)pyrene		ug/l	<1.0
Benzo(b)flouranthene		ug/l	<1.6
Benzo(g,h,i)perylene		ug/l	1.8
Benzo(k)flouranthene		ug/l	<1.3
Benzyl alcohol		ug/l	<2.9
Bis(2-chloroethoxy)methane		ug/l	<2.0
Bis(2-chloroethyl)ether		ug/l	<2.6
Bis(2-chloro-1-methylethyl)ether		ug/l	<2.6
Bis(2-ethylhexyl)phthalate		ug/l	1.4
Butylbenzylphthalate		ug/l	<1.2
Chlorobenzilate		ug/l	<0.075
Chrysene		ug/l	<1.2
Diallate		ug/l	<1.4
Dibenz(a,h)anthracene		ug/l	1.3
Dibenzofuran		ug/l	<1.6
Diethylphthalate		ug/l	<1.6
Dimethoate		ug/l	<0.12
Dimethylphthalate		ug/l	<2.1
Di-N-butylphthalate		ug/l	<1.8
Di-N-octylphthalate		ug/l	3.5
Diphenylamine		ug/l	<1.1
Disulfoton		ug/l	<0.18
Ethylmethanesulfonate		ug/l	<1.3
Famfur		ug/l	<0.17
Flouranthene		ug/l	<1.2
Flourene		ug/l	<1.7
Hexachlorobenzene		ug/l	<1.7
Hexachlorobutadiene		ug/l	<1.0
Hexachlorocyclopentadiene		ug/l	<1.2
Hexachloroethane		ug/l	<0.86
Hexylchloropropene		ug/l	<3800
Indeno(1,2,3-cd)pyrene		ug/l	<1.2
Isodrin		ug/l	<0.0061
Isophorone		ug/l	<1.4
Isosafrole		ug/l	1.6
Kepone		ug/l	<0.083
Methapyrilene		ug/l	1.1
Methyl parathion		ug/l	<0.11
Methylmethanesulfonate		ug/l	1.2
Naphthalene		ug/l	<1.3
Nitrobenzene		ug/l	<1.9
N-Nitrosodiethylamine		ug/l	<1.5
N-Nitrosodimethylamine		ug/l	<2.4

Analyte	Location:		GW-11
	Sample Identifier:		GW-11
	Date of Test:		04/24/06
	Standard(1)	Units	
N-Nitrosodi-n-butylamine		ug/l	<1.5
N-Nitroso-di-n-propylamine		ug/l	<1.9
N-Nitrosodiphenylamine		ug/l	<1.6
N-Nitrosoethylmethylamine		ug/l	<2.4
N-Nitrosopiperidine		ug/l	<0.88
N-Nitrosopyrrolidine		ug/l	<1.2
0,0,0-Triethylphosphorothioate		ug/l	<1.8
Ortho-toluidine		ug/l	<1.2
Para-Phenylenediamine		ug/l	<3.1
Parathion		ug/l	<0.085
P-Dimethlaminoazobenzene		ug/l	<0.68
Pentachlorobenzene		ug/l	<1.0
Pentachloronitrobenzene		ug/l	<1.5
Phenacetin		ug/l	<0.85
Phenanathrene		ug/l	<1.3
Phorate		ug/l	0.086
Pronamide		ug/l	<0.71
Pyrene		ug/l	<1.2
Safrole		ug/l	<1.2
Thionazin		ug/l	<0.080
Volatile Organics			
1,1,1,2-Tetrachloroethane		ug/l	<0.63
1,1,1-Trichloroethane	20	ug/l	<0.46
1,1,2,2-Tetrachloroethane		ug/l	<0.14
1,1,2-Trichloroethane	5	ug/l	<0.47
1,1-Dichloroethane		ug/l	<0.52
1,1-Dichloroethene	7	ug/l	<0.45
1,1-Dichloropropene		ug/l	<0.31
1,2,3-Trichloropropane		ug/l	<0.15
1,2-Dichlorobenzene		ug/l	<0.44
1,2-Dichloroethane	3	ug/l	<0.57
1,2-Dichloropropane	5	ug/l	<0.52
1,3-Dichlorobenzene		ug/l	<0.64
1,3-Dichloropropane		ug/l	<0.39
1,4-Dichlorobenzene		ug/l	<0.52
2,2-Dichloropropane		ug/l	<0.36
2-Butanone		ug/l	<8.4
2-Hexanone		ug/l	<4.4
4-Methlyl-2-pentanone		ug/l	<3.8
Acetone		ug/l	<9.9
Acetonitrile		ug/l	<75
Acrolein		ug/l	<3.8
Acrylonitrile		ug/l	<1.2
Allyl chloride		ug/l	<1.1
Benzene	1	ug/l	<0.27
Bromochloromethane		ug/l	<0.58
Bromodichloromethane		ug/l	<0.35
Bromomethane		ug/l	<0.66
Carbon disulfide		ug/l	<0.85
Carbon tetrachloride	3	ug/l	<0.42
Chlorobenzene		ug/l	<4.8

Analyte	Location:		GW-11
	Sample Identifier:		GW-11
	Date of Test:		04/24/06
	Standard(1)	Units	
Chloroethane		ug/l	<0.80
Chloromethane		ug/l	<0.64
Chloroprene		ug/l	<0.89
cis-1,2-Dichloroethene	70	ug/l	<0.65
cis-1,3-Dichloropropene		ug/l	<0.14
Dibromochloromethane		ug/l	<0.34
Dibromochloropropane		ug/l	<0.74
Dibromomethane		ug/l	<0.41
Dichlorodiflouromethane		ug/l	<0.48
Dichloromethane	5	ug/l	<4.0
Ethyl methacrylate		ug/l	<0.53
Ethylbenzene	70	ug/l	<0.44
Ethylene dibromide		ug/l	<0.50
Iodomethane		ug/l	<0.67
Isobutyl Alcohol		ug/l	<31
Methacrylonitrile		ug/l	<1.8
Methyl methacrylate		ug/l	<0.66
Propionitrile		ug/l	<7.2
Styrene	100	ug/l	<0.98
t-1,4-Dichloro-2-butene		ug/l	<2.5
Tetrachloroethene	3	ug/l	<0.34
Toluene	100	ug/l	<0.53
Total Xylenes	10000	ug/l	<0.30
trans-1,2-Dichloroethene	100	ug/l	<0.44
trans-1,3-Dichloropropene		ug/l	<0.14
Tribromomethane		ug/l	<0.58
Trichloroethene	3	ug/l	<0.28
Trichlorofluoromethane		ug/l	<0.98
Trichloromethane		ug/l	<0.90
Vinyl acetate		ug/l	<1.5
Vinyl chloride	1	ug/l	<0.5

Notes: (1) Maximum Contaminanat Level (MCL), as established in Chapter 62-550, FAC. Those marked with an * are Secondary Drinking Water Standards (SDWSs). Analyte concentrations shown with shading represent an exceednace of its MCL or SDWS

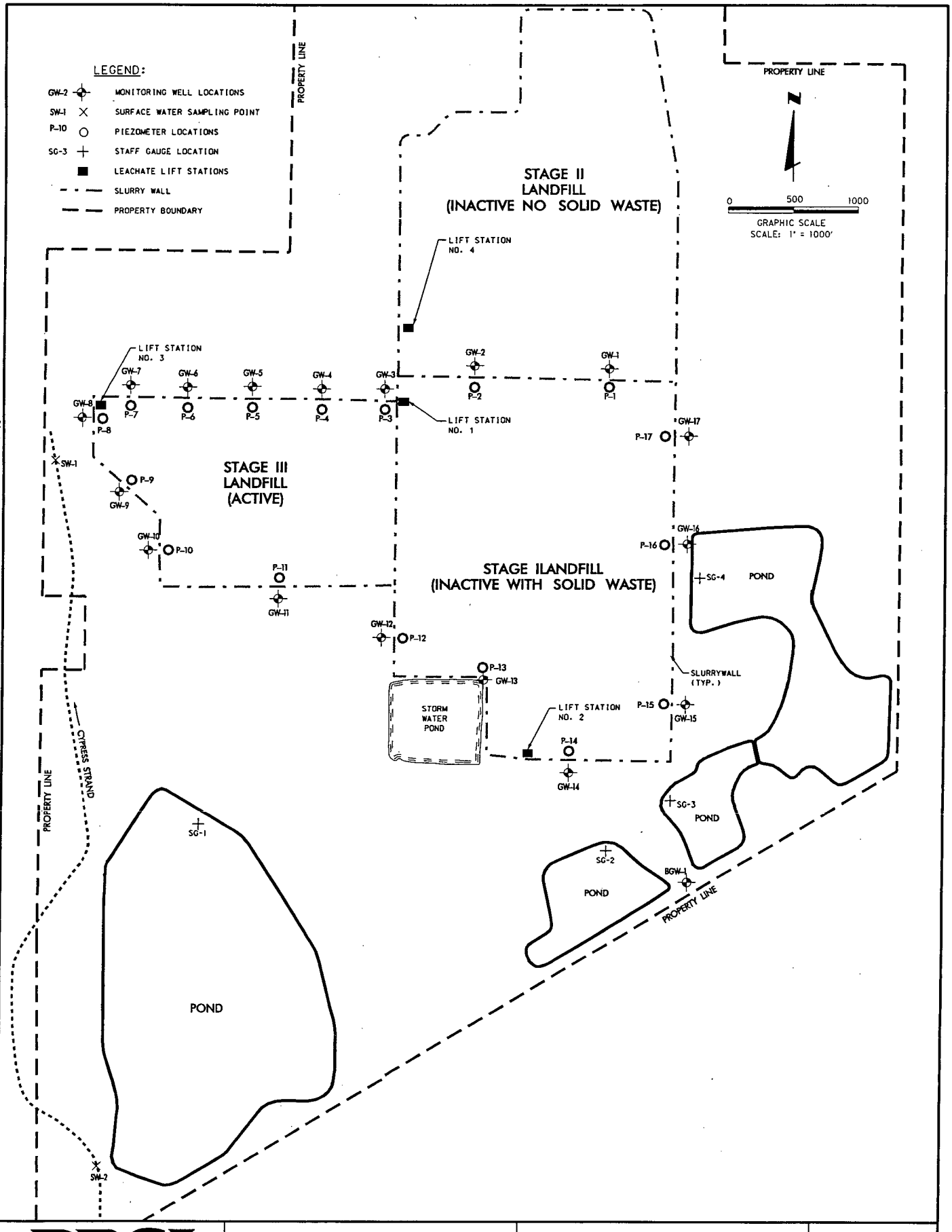
Abbreviations: BDL = below detection limits; mg/l = milligrams per liter; ug/l = micrograms per liter; NTU = nepholometric turbidity units.

Table 5
Groundwater Elevation Data
Lena Road Landfill
First Half 2006

Well Identifier	Top-of-Casing Elevation (Ft-NGVD)	Total Depth (Ft-TOC)	Top of Well Screen Elevation (Ft-NGVD)	Bottom of Well Screen Elevation (Ft-NGVD)	Depth to Groundwater (Ft below TOC)	Groundwater Elevation (Ft-NGVD)
GW-1	38.68	19.42	34.76	19.26	8.41	30.27
GW-2	40.92	19.41	37.01	21.51	10.77	30.15
GW-3	39.40	19.56	35.34	19.84	6.91	32.49
GW-4	40.53	19.63	36.40	20.90	8.42	32.11
GW-5	39.90	19.66	35.74	20.24	8.95	30.95
GW-6	38.95	19.54	34.91	19.41	9.11	29.84
GW-7	39.49	20.54	34.45	18.95	11.97	27.52
GW-8	39.75	20.32	34.93	19.43	12.94	26.81
GW-9	39.65	20.56	34.59	19.09	12.37	27.28
GW-10	38.34	20.15	33.69	18.19	10.97	27.37
GW-11	NA*	21.61	NA	NA	8.79	NA
GW-12	42.09	20.27	37.32	21.82	11.31	30.78
GW-13	44.79	20.22	40.07	24.57	11.94	32.85
GW-14	39.63	20.15	34.98	19.48	4.73	34.90
GW-15	42.33	20.00	37.83	22.33	6.65	35.68
GW-16	44.41	20.15	39.76	24.26	8.10	36.31
GW-17	42.19	20.80	36.89	21.39	8.38	33.81
BGW-1	47.57	20.30	42.77	27.27	6.19	41.38

FIGURES

FIGURES



PBS&J	LENA ROAD LANDFILL MANATEE COUNTY, FLORIDA	WATER QUALITY MONITORING NETWORK	FIG. 1

\\ORLFS1\EC$\SO\OLDG\HAZARD\MANATEE\LENAROADLANDFILL\SEMIANNUALREPORTFIRSTHALF2006\MONITORINGWALLLOCATION-FIG-1(070506).DGN

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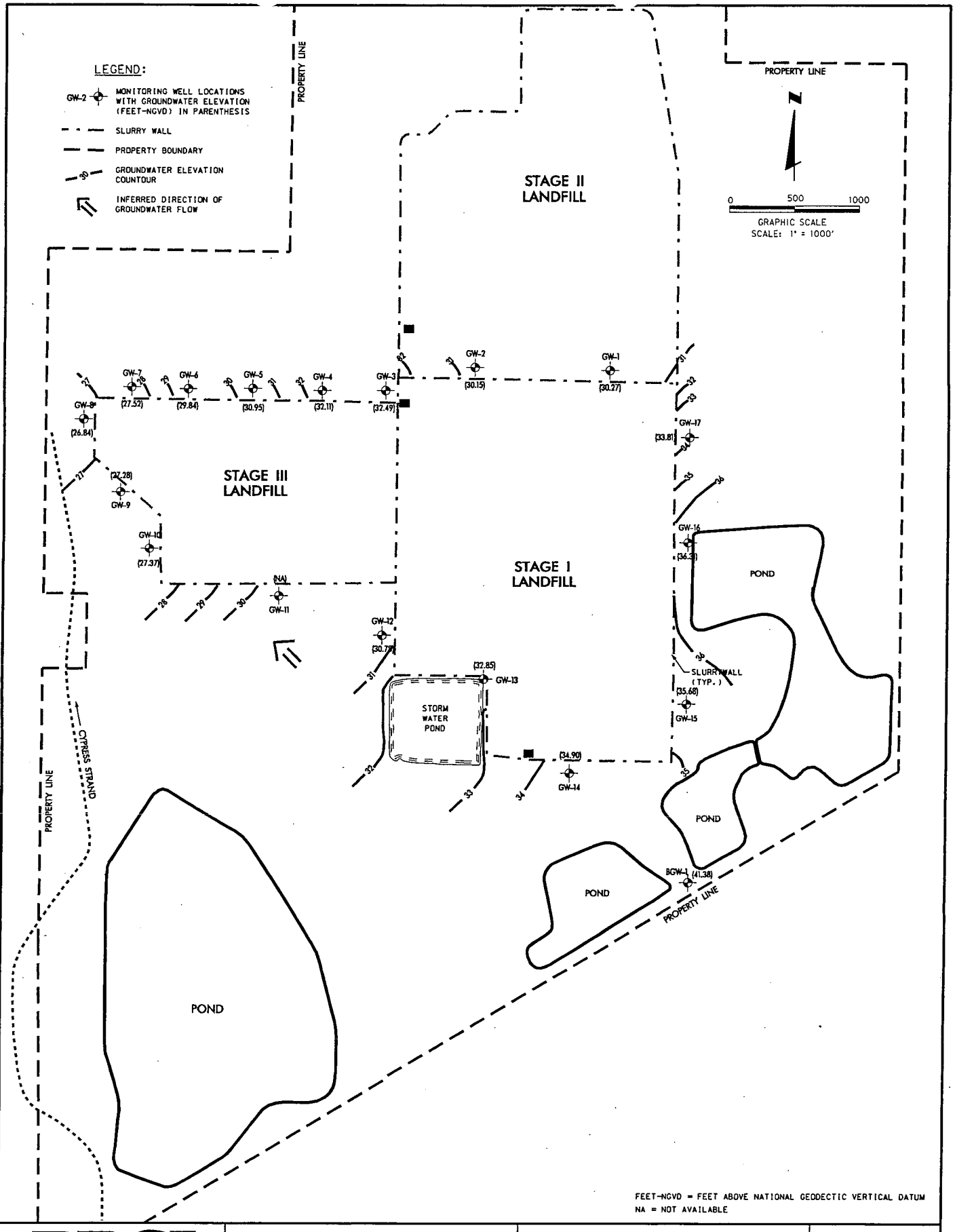

PBSJ	LENA ROAD LANDFILL MANATEE COUNTY, FLORIDA	GROUNDWATER ELEVATION CONTOUR MAP FIRST HALF 2006	FIG. 2

\\ORLFS1\EC$\SO\OLDG\HAZARD\MANATEE\LENAROADLANDFILL\SEMIANNUALREPORTFIRSTHALF2006\MONITORINGWALLLOCATION-FIG-2(070506).DGN

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ATTACHMENT A

ATTACHMENT A

Ground Water Monitoring Report Form

DEP Form # 62-522.900(2)
Form Title Ground Water Monitoring Report
Effective Date
DEP Application No.

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Manatee County Solid Waste Management Facility – Lena Road Closed Class I Landfill

Address Post Office Box 25010

City Bradenton, Florida Zip 34206

Telephone Number (941) 748-5543

(2) The GMS Identification Number SWD-41-44795

(3) DEP Permit Number 39884-010-SO

(4) Authorized Representative Name Joseph L. Miller, P.E., PBS&J

Address 482 Keller Road

City Orlando, Florida Zip 32810

Telephone Number (407) 647-7275

(5) Type of Discharge N/A

(6) Method of Discharge N/A

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 7/6/2006

Joseph L. Miller

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 870072

Analytical Lab Comp QAP # /HRS Certification # E54560

*Comp QAP # /HRS Certification # E84098

Lab #1: Manatee County Utility Operations, Central Wastewater Laboratory , 5101 65th Street West, Bradenton, Florida 34210

Lab #2 Southern Analytical Laboratories, Inc., 110 Bayview Boulevard, Oldsmar, FL 34677

Phone Number (863) 646-8526

PART III ANALYTICAL RESULTS

Facility GMS #: WACS ID# SWD/41/44795 Sampling Date/Time: February 2006

Test Site ID #: _____ Report Period: First Half 2006 (year/quarter)

Well Name: _____ Well Purged (Y/N): _____

Classification of Ground Water: _____ Well Type: ( ) Background ( ) Intermediate ( ) Compliance ( ) Other

Ground Water Elevation (NGVD): _____

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units
	Please see sampling report, Forms, and laboratory report.						

* Attach Laboratory Reports

ATTACHMENT B

ATTACHMENT B

Field Data Sheets

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/06	SAL Project #	577596	Project Name	Semi-Annual Monitor Wells
Well Number	GW-1	Sample ID	.01 BW 3/2/06	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	8.41	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	19.49	REFERENCE ELEVATION (NGVD)	38.68	GROUND WATER ELEVATION (REFERENCE-STATIC)	30.27	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.49 -) * 0.1632

ONE WELL VOLUME	1.80	1/4 WELL VOLUME	—	3 WELL VOLUMES	5.42	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0638	PURGE TIME END	0702	TOTAL PURGED	6.0

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0646	2.0	2.0	0.25	9.28	6.5	20.5	718	0.49	3.98	Tanic	sulfur
0654	2.0	4.0	"	9.28	6.5	20.6	714	0.36	3.33	"	"
0702	2.0	6.0	"	9.28	6.5	20.6	709	0.30	3.34	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAC			SAMPLER(S) SIGNATURES:	Larry R. Ward		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT	SAMPLE TUBING LEGNTH IN WELL (FEET)	—	SAMPLE PUMP FLOW RATE (mL/min)	—		
SAMPLING INITIATED	0702	SAMPLING ENDED	0709	FIELD CLEANED	Y (N)	CLEANING STEPS	—
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y (N) N/A						
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—				
WEATHER CONDITIONS	Clear						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [illegible] Date: 3/2/06

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/06	SAL Project #	577546	Project Name	Semi-Annual Monitor Wells
Well Number	GW-2	Sample ID	:02 BJD 3/2/6	GPS LAT	
				GPS LONG	

PURGING DATA

BJD 3/2/6

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	10.77	PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)	19.42	REFERENCE ELEVATION (NGVD)	40.92	GROUND WATER ELEVATION (REFERENCE-STATIC)	30.15	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.42 -) * 0.1632

ONE WELL VOLUME	1.91	1/4 WELL VOLUME	—	3 WELL VOLUMES	4.23	5 WELL VOLUMES	7.5

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	~~1.41~~ BJD 3/2/6	TUBING LEGNTH	—	FLOW CELL VOLUME	~~4.23~~ BJD 3/2/6	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0717	PURGE TIME END	0747	TOTAL PURGED	7.50

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0723	1.50	1.50	0.25	11.43	6.5	21.5	666	0.67	28.2	Muddy ~~yellowish~~	None
0729	1.50	3.0	"	11.43	6.5	21.5	663	0.54	74.2	"	"
0735	1.50	4.50	"	11.43	6.5	21.6	660	0.35	49.4	"	"
0741	1.50	6.0	"	11.43	6.5	21.7	655	0.24	49.7	"	"
0747	1.50	7.50	"	11.43	6.5	21.8	655	0.22	49.9		

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL			SAMPLER(S) SIGNATURES:	Larry R. Wood		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP TL TT	SAMPLE TUBING LEGNTH IN WELL (FEET)	—	SAMPLE PUMP FLOW RATE (mL/min)	—		
SAMPLING INITIATED	0747	SAMPLING ENDED	0754	FIELD CLEANED	Y N	CLEANING STEPS	DI x 2
FIELD FILTERED?	Y N	FILTER SIZE (µm)		DUPLICATE	Y N	VOC COLLECTED BY REVERSE FLOW?	Y N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N N/A						
PRESERVATION CHECKED IN FIELD?	Y N N/A	LIST PRESERVATIVES ADDED	—				
WEATHER CONDITIONS	Clean						
COMMENTS	Turbidity > 20 NTU - Small volumes purged - Δ < 0.2 BJD Previous Turbidity = ~~5.4~~ 10.4 BJD found 11						

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: BJD Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/05	SAL Project #	57754.6	Project Name	Semi-Annual Monitor Wells
Well Number	GW-3	Sample ID	.03	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	6.91	PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)	19.60	REFERENCE ELEVATION (NGVD)	39.40	GROUND WATER ELEVATION (REFERENCE-STATIC)	32.49	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.60 -) * 0.1632

ONE WELL VOLUME	2.07	1/4 WELL VOLUME	—	3 WELL VOLUMES	6.21	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0802	PURGE TIME END	0829	TOTAL PURGED	6.75

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0811	2.25	2.25	0.25	7.43	6.2	21.3	693	0.26	12.8	TANIC	None
0820	2.25	4.50	"	7.43	6.2	21.3	697	0.20	7.62	"	"
0829	2.25	6.75	"	7.43	6.2	21.3	690	0.17	4.09	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL					SAMPLER(S) SIGNATURES:	Gary R. Ward		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP TL TT			SAMPLE TUBING LEGNTH IN WELL (FEET)	—			SAMPLE PUMP FLOW RATE (mL/min)	—
SAMPLING INITIATED	0831	SAMPLING ENDED	0840	FIELD CLEANED	Y N	CLEANING STEPS	DI X 2		
FIELD FILTERED?	Y N	FILTER SIZE (µm)	—	DUPLICATE	Y N	VOC COLLECTED BY REVERSE FLOW?	Y N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N N/A
PRESERVATION CHECKED IN FIELD?	Y N N/A	LIST PRESERVATIVES ADDED	—						
WEATHER CONDITIONS	CLEAR								
COMMENTS									

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [illegible] Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/04	SAL Project #	577596	Project Name	Semi-Annual Monitor Wells
Well Number	GW-4	Sample ID	.04 BP 3/2/6	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK		Static Depth to Water (Feet)	8.42	PURGE PUMP CODE (PP) GP IBP
TOTAL WELL DEPTH (Feet)	19.52	REFERENCE ELEVATION (NGVD)	40.53	GROUND WATER ELEVATION (REFERENCE-STATIC)	32.11		TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft) —

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.52 -) * 0.1632

ONE WELL VOLUME	1.81	1/4 WELL VOLUME	—	3 WELL VOLUMES	5.43	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0847	PURGE TIME END	0911	TOTAL PURGED	6.0

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0855	2.0	~~GW-4~~ 2.0	0.25	8.73	6.0	20.5	356.7	0.26	17.2	TITANIC ~~CLEAR~~	None
0903	2.0	4.0	"	8.73	6.0	20.6	352.0	0.19	8.22	"	"
0911	2.0	6.0	"	8.73	5.9	20.6	344.1	0.16	5.41	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL					SAMPLER(S) SIGNATURES:	Larry R. Ward		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT			SAMPLE TUBING LEGNTH IN WELL (FEET)	—		SAMPLE PUMP FLOW RATE (mL/min)	—	
SAMPLING INITIATED	0911	SAMPLING ENDED	0918	FIELD CLEANED	(Y) N	CLEANING STEPS	DI X 2		
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—						
WEATHER CONDITIONS	Clear								
COMMENTS									

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: BPO Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-5	Sample ID	.05	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	8.95	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	19.47	REFERENCE ELEVATION (NGVD)	39.90	GROUND WATER ELEVATION (REFERENCE-STATIC)	30.95 ✓	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.47 -) * 0.1632

ONE WELL VOLUME	1.71	1/4 WELL VOLUME	—	3 WELL VOLUMES	5.15	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0925	PURGE TIME END	0946	TOTAL PURGED	5.25

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0932	1.75	1.75	0.25	9.41	6.2	21.7	470.4	0.27	4.13	clear	None
0939	1.75	3.50	"	9.41	6.2	21.8	472.8	0.16	2.20	"	"
0946	1.75	5.25	"	9.41	6.1	21.8	480.1	0.11	1.96	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL					SAMPLER(S) SIGNATURES:	[signature]		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT			SAMPLE TUBING LEGNTH IN WELL (FEET)	—			SAMPLE PUMP FLOW RATE (mL/min)	—
SAMPLING INITIATED	0947	SAMPLING ENDED	0954	FIELD CLEANED	(Y) N	CLEANING STEPS	DI X 2		
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—						
WEATHER CONDITIONS	Clear								
COMMENTS									

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [signature] Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-6	Sample ID	..06	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	9.11	PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)	19.50	REFERENCE ELEVATION (NGVD)	38.95	GROUND WATER ELEVATION (REFERENCE-STATIC)	29.84	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.50 -) * 0.1632

ONE WELL VOLUME	1.7	1/4 WELL VOLUME	0.5	3 WELL VOLUMES	5.1	5 WELL VOLUMES	8.5

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	11.0	FINAL TUBING LEGNTH IN WELL (FEET)	11.0	PURGE TIME START	1012	PURGE TIME END	1034	TOTAL PURGED	6.0

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
1018	2.0	2	0.25	10.17	6.53	21.9	344.9	0.39	11.6	Colorless	None
1026	4.0	4	↓	10.18	6.50	21.9	331.4	0.40	7.76	"	"
1034	6.0	6		10.20	6.50	21.9	330.4	0.26	2.37	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	JAC			SAMPLER(S) SIGNATURES:	[illegible]		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT	SAMPLE TUBING LEGNTH IN WELL (FEET)	11.0	SAMPLE PUMP FLOW RATE (mL/min)	500/100		
SAMPLING INITIATED	0835	SAMPLING ENDED	0837	FIELD CLEANED	(Y) N	CLEANING STEPS	DI x 2
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)						
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	N/A				
WEATHER CONDITIONS	Sunny / Warm						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: Date:

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/06.	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-7	Sample ID	.07	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	11.97	PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)	19.57	REFERENCE ELEVATION (NGVD)	39.49	GROUND WATER ELEVATION (REFERENCE-STATIC)	27.52	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.57 -) * 0.1632

ONE WELL VOLUME	1.25	1/4 WELL VOLUME	0.31	3 WELL VOLUMES	3.7	5 WELL VOLUMES	6.2

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	13.0	FINAL TUBING LEGNTH IN WELL (FEET)	13.0	PURGE TIME START	1046	PURGE TIME END	1104	TOTAL PURGED	4.5

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
1052	1.5	1.5	0.25	12.54	6.36	22.3	303.9	0.41	5.79	Pale Yellow	Sulfur
1058	~~3.0~~ 1.5	3.0	↓	12.58	6.35	22.4	304.5	0.20	6.83	"	"
1104	~~4.5~~ 1.5 BH	4.5	↓	12.58	6.40	22.4	304.4	0.14	5.75	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL					SAMPLER(S) SIGNATURES:	[signature]		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP TL TT			SAMPLE TUBING LEGNTH IN WELL (FEET)	13.0			SAMPLE PUMP FLOW RATE (mL/min)	500/100
SAMPLING INITIATED	1105	SAMPLING ENDED	1107	FIELD CLEANED	Y N	CLEANING STEPS	BH 2/27/06 ~~N/A~~ DI + 2		
FIELD FILTERED?	Y N	FILTER SIZE (µm)	—	DUPLICATE	Y N	VOC COLLECTED BY REVERSE FLOW?	Y N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N N/A
PRESERVATION CHECKED IN FIELD?	Y N N/A	LIST PRESERVATIVES ADDED	N/A						
WEATHER CONDITIONS	Sunny/Warm								
COMMENTS									

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By:	BH	Date:	3/2/06

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/28/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-8	Sample ID	-08	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	12.94	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	19.59	REFERENCE ELEVATION (NGVD)	39.75	GROUND WATER ELEVATION (REFERENCE-STATIC)	26.81	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.59 -) * 0.1632

ONE WELL VOLUME	1.08	1/4 WELL VOLUME	—	3 WELL VOLUMES	3.25	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0625	PURGE TIME END	0645	TOTAL PURGED	5.0

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0630	1.25	1.25	0.25	13.46	5.8	20.5	414.8	0.56	32.6	Tanic	sulfur
0635	1.25	2.50	"	13.48	5.8	20.5	414.0	0.52	24.2	"	"
0640	1.25	3.75	"	13.48	5.8	20.6	410.2	0.41	22.4	"	"
0645	1.25	5.0	"	13.48	5.8	20.6	407.2	0.34	16.3	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL					SAMPLER(S) SIGNATURES:	Zoy R. Wed		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT			SAMPLE TUBING LEGNTH IN WELL (FEET)	—		SAMPLE PUMP FLOW RATE (mL/min)	—	
SAMPLING INITIATED	0644	SAMPLING ENDED	0653	FIELD CLEANED	Y (N)	CLEANING STEPS	—		
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—						
WEATHER CONDITIONS	Clear								
COMMENTS									

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: BJC Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/28/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-9	Sample ID	.09	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	12.37	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	19.58	REFERENCE ELEVATION (NGVD)	39.65	GROUND WATER ELEVATION (REFERENCE-STATIC)	27.28	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.58 -) * 0.1632

ONE WELL VOLUME	1.17	1/4 WELL VOLUME	—	3 WELL VOLUMES	3.53	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0703	PURGE TIME END	0718	TOTAL PURGED	3.75

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0708	1.25	1.25	0.25	13.16	6.7	21.0	592	0.48	0.90	Clear	None
0713	1.25	2.50	"	13.16	6.7	21.1	588	0.35	0.92	"	"
0718	1.25	3.75	"	13.16	6.7	21.1	586	0.35	0.89	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL			SAMPLER(S) SIGNATURES:	Larry Ward		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT	SAMPLE TUBING LEGNTH IN WELL (FEET)	—	SAMPLE PUMP FLOW RATE (mL/min)	—		
SAMPLING INITIATED	0719	SAMPLING ENDED	0726	FIELD CLEANED	(Y) N	CLEANING STEPS	DI x 2
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)						
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—				
WEATHER CONDITIONS	Clear						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [illegible] 3/2/6 Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/28/04	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-10	Sample ID	.10	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	10.97	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	20.29	REFERENCE ELEVATION (NGVD)	38.34	GROUND WATER ELEVATION (REFERENCE-STATIC)	27.37	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (20.29 -) * 0.1632

ONE WELL VOLUME	1.52	1/4 WELL VOLUME	—	3 WELL VOLUMES	4.56	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0735	PURGE TIME END	0756	TOTAL PURGED	5.25

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0742	1.75	1.75	0.25	18.26	6.5	20.7	947.	0.59	30.0	Turbid	None
0749	1.75	3.50	"	18.28	6.5	20.7	941	0.61	23.8	"	"
0754	1.75	5.25	"	18.28	6.5	20.6	932.	0.60	10.5	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL				SAMPLER(S) SIGNATURES:	Larry R. Ward			
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT			SAMPLE TUBING LEGNTH IN WELL (FEET)	—	SAMPLE PUMP FLOW RATE (mL/min)	—		
SAMPLING INITIATED	0800	SAMPLING ENDED	0815	FIELD CLEANED	(Y) N	CLEANING STEPS	DI x 2		
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—						
WEATHER CONDITIONS	Clear								
COMMENTS									

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon-Lined, TT= Teflon

Reviewed By: RAP Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/28/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-11 (GC-6 Data)	Sample ID	.11	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	8.79 ~~8.8~~	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	21.61(GC-6)	REFERENCE ELEVATION (NGVD)	39.02 (GC-6)	GROUND WATER ELEVATION (REFERENCE-STATIC)	30.23	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (21.61(GC-6) -) * 0.1632

ONE WELL VOLUME	2.09	1/4 WELL VOLUME	—	3 WELL VOLUMES	6.27	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0834	PURGE TIME END	0859	TOTAL PURGED	12.5

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0839	2.50	2.50	0.50	11.53	6.1	22.6	340.5	0.41	2.25	clear	none
0844	2.50	5.0	"	11.58	6.0	22.7	323.1	0.31	2.43	"	"
0849	2.50	7.50	"	11.58	5.9	22.7	299.0	0.30	2.15	"	"
0854	2.50	10.0	"	11.58	5.9	22.7	297.6	0.25	1.49	"	"
0859	2.50	12.5	"	11.58	5.9	22.7	276.7	0.24	1.39	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL			SAMPLER(S) SIGNATURES:	[signature]		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT	SAMPLE TUBING LEGNTH IN WELL (FEET)	—	SAMPLE PUMP FLOW RATE (mL/min)	—		
SAMPLING INITIATED	0859	SAMPLING ENDED	0906	FIELD CLEANED	Y (N)	CLEANING STEPS	—
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)						
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—				
WEATHER CONDITIONS	CLEAR						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [signature] Date: 3/2/6

SOUTHERN ANAL TICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-18 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/28/04	SAL Project #	5775b	Project Name	Semi-Annual Monitor Wells
Well Number	GW-12	Sample ID	.12	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	11.31	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	20.21	REFERENCE ELEVATION (NGVD)	42.09	GROUND WATER ELEVATION (REFERENCE-STATIC)	30.78 ✓	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: ☐ Submerged Screen (1,1/4,1/4 Well) ☐ Submerged Screen (1EQ Volume, 3, 3 Minutes) ☐ Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (20.21 -) 0.1632

ONE WELL VOLUME	1.44	1/4 WELL VOLUME	—	3 WELL VOLUMES	4.33	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0905	PURGE TIME END	0923	TOTAL PURGED	4.5

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0911	1.5	1.5	0.25	11.69	6.1	22.4	679	0.49	17.5	Tawie	None
0917	1.5	3.0	"	11.69	6.0	22.4	676	0.30	5.62	"	"
0923	1.5	4.5	"	11.69	6.0	22.5	669	0.24	4.37	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAC			SAMPLER(S) SIGNATURES:	Zing Wed		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT	SAMPLE TUBING LEGNTH IN WELL (FEET)		—	SAMPLE PUMP FLOW RATE (mL/min)	—	
SAMPLING INITIATED	0924	SAMPLING ENDED	0930	FIELD CLEANED	(Y) N	CLEANING STEPS	DI X 2
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)						
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—				
WEATHER CONDITIONS	Clear						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: B/A Date: 3/2/

SOUTHERN ANALYTICAL LABORATORIES INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-18-. + FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/28/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-13	Sample ID	.13	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	11.94	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	20.16	REFERENCE ELEVATION (NGVD)	44.79	GROUND WATER ELEVATION (REFERENCE-STATIC)	32.85	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: ☐ Submerged Screen (1,1/4,1/4 Well) ☐ Submerged Screen (1EQ Volume, 3, 3 Minutes) ☐ Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (20.16 -) * 0.1632

ONE WELL VOLUME	1.34	1/4 WELL VOLUME	—	3 WELL VOLUMES	4.02	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	0942	PURGE TIME END	10:00	TOTAL PURGED	4.50

TIME LW	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0948	1.50	1.50	0.25	10.60	6.4	22.8	2059	0.23	7.20	Tanic	None
0954	1.50	3.0	"	10.60	6.4	22.8	2055	0.23	7.27	"	"
10:00	1.50	4.50	"	10.60	6.4	22.8	2022	0.23	4.64	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAC			SAMPLER(S) SIGNATURES:	Larry R Ward		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT	SAMPLE TUBING LEGNTH IN WELL (FEET)	—	SAMPLE PUMP FLOW RATE (mL/min)	—		
SAMPLING INITIATED	10:01	SAMPLING ENDED	10:08	FIELD CLEANED	(Y) N	CLEANING STEPS	DI X 2
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)						
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—				
WEATHER CONDITIONS	Clear						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: BJP Date: 3/2/06

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/28/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-14	Sample ID	.14	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	4.73	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	20.13	REFERENCE ELEVATION (NGVD)	39.63	GROUND WATER ELEVATION (REFERENCE-STATIC)	34.90 ✓	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (20.13 -) * 0.1632

ONE WELL VOLUME	2.50	1/4 WELL VOLUME	—	3 WELL VOLUMES	7.50	5 WELL VOLUMES	12.5

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	1012	PURGE TIME END	1052	TOTAL PURGED	12.50 ~~10.52~~

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
1022	2.50	2.50	0.25	8.30	6.59	20.2	2341	3.39	2.71	brown clear	none
1032	2.50	5.00	0.25	8.11	6.68	20.4	2517	4.89	1.18	"	"
1042	2.50	7.50	0.25	8.12	6.65	20.4	2403	4.41	3.01	"	"
1047	2.50	10.00	0.50	7.98	6.62	20.3	2274	3.39	3.39	"	"
1052	2.50	12.50	0.50	7.92	6.56	20.3	2271	1.97	0.72	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL			SAMPLER(S) SIGNATURES:	[signature]		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT	SAMPLE TUBING LEGNTH IN WELL (FEET)	—	SAMPLE PUMP FLOW RATE (mL/min)	—		
SAMPLING INITIATED	1052	SAMPLING ENDED	1057	FIELD CLEANED	Y (N)	CLEANING STEPS	—
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)						
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED	—				
WEATHER CONDITIONS	clear						
COMMENTS	DO 7.20% Saturation - Δ > 0.2. 5 Volumes purged BGP 3/2/6 Previous DO = 0.6						

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: BGP Date: 3/2/6

SOUTHERN ANAL TICAL LABORATORIES NC.
TOMPAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

[illegible]	Manlee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
[illegible]	2/28/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
[illegible]	GW-15	Sample ID	.15	GPS LAT	
				GPS LONG	

PURGING DATA

[illegible]	[illegible]	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK	To	UNK	Static Depth to Water (Feet)	6.65	PURGE PUMP CODE	PP GP IBP
[illegible]	[illegible]	REFERENCE ELEVATION (NGVD)	42.33	GROUND WATER ELEVATION (REFERENCE-STATIC)	35.68 ✓			TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique ☐ Submerged Screen (1,1/4,1/4 Well) ☐ Submerged Screen (1EQ Volume, 3, 3 Minutes) ☐ Partially Submerged Screen (1 Well, 3,3 minutes)

[illegible] VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (20.06 -) * 0.1632

[illegible] WELL VOLUME	2.27	1/4 WELL VOLUME	—	3 WELL VOLUMES	6.82	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

[illegible] TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	10:20	PURGE TIME END	10:50	TOTAL PURGED	7.50

[illegible]	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
10:30	2.50	2.50	0.25	6.82	low 6.4 ~~7.0~~	19.6	700	0.20	2.32	TANIC	sulfur
10:40	2.50	5.0	"	6.82	6.4	19.6	695	0.19	1.98	"	"
10:50	2.50	7.50	"	6.82	6.4	19.7	692	0.18	1.17	"	"

Well Capacity (gal/[illegible]): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal/[illegible]): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

[illegible] BY / COMPANY (PRINT)	SAL		SAMPLER(S) SIGNATURES:	Gary Wood	
[illegible] MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT	SAMPLE TUBING LEGNTH IN WELL (FEET)	—	SAMPLE PUMP FLOW RATE (mL/min)	—
SAMPLING INITIATED	10:57	SAMPLING ENDED	10:57	FIELD CLEANED	(Y) N
CLEANING STEPS	DI x 2				
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)
VOLS COLLECTED BY REVERSE FLOW?	(Y) N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)		
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	PRESERVATIVES ADDED	—		
WEATHER CONDITIONS	Clear				
COMMENTS					

PUMP CODES: PP=Peristaltic Pump, SP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [illegible] Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-16	Sample ID	016	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	8.10	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	19.89	REFERENCE ELEVATION (NGVD)	44.41	GROUND WATER ELEVATION (REFERENCE-STATIC)	36.31	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (19.89 -) * 0.1632

ONE WELL VOLUME	1.9	1/4 WELL VOLUME	0.5	3 WELL VOLUMES	6.0	5 WELL VOLUMES	10.0

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	9.5	FINAL TUBING LEGNTH IN WELL (FEET)	9.5	PURGE TIME START	0729	PURGE TIME END	0741	TOTAL PURGED	6.0

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0733	2.0	2.0	0.5	8.65	6.45	22.8	562	0.38	13.8	Slight White	Sulfur
0737	2.0	4.0	↓	"	6.50	22.6	571	0.23	14.3	Colorless	"
0741	2.0	6.0	↓	"	6.50	22.5	580	0.14	13.8	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL			SAMPLER(S) SIGNATURES:	BJR		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT		SAMPLE TUBING LEGNTH IN WELL (FEET)	9	SAMPLE PUMP FLOWRATE (mL/min)	500/100	
SAMPLING INITIATED	0742	SAMPLING ENDED	0744	FIELD CLEANED	Y N	CLEANING STEPS	
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)						
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED					
WEATHER CONDITIONS	Sunny						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [illegible] Date: 3/2/06

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/27/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	GW-17	Sample ID	.17	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	8.38	PURGE PUMP CODE	(PP) GP IBP 1840 3/2/06
TOTAL WELL DEPTH (Feet)	20.83	REFERENCE ELEVATION (NGVD)	42.19	GROUND WATER ELEVATION (REFERENCE-STATIC)	33.81	TUBING DIAMETER (Inches)		TUBING CAPACITY (gal/ft)	

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (20.83 -) * 0.1632

ONE WELL VOLUME	2.0	1/4 WELL VOLUME	0.5	3 WELL VOLUMES	6.0	5 WELL VOLUMES	10.0

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	9.5	FINAL TUBING LEGNTH IN WELL (FEET)	9.5	PURGE TIME START	0702	PURGE TIME END	0714	TOTAL PURGED	6.0

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0706	2.0	2.0	0.5	9.13	5.40	21.8	124.4	0.41	16.5	Pale Yellow	Slight Sulfur
0710	2.0	4.0		9.13	5.46	21.7	126.0	0.30	13.6	"	"
0714	2.0	6.0		9.13	5.47	21.8	129.5	0.30	13.2	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL					SAMPLER(S) SIGNATURES:	[signature]		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP (TL) TT			SAMPLE TUBING LEGNTH IN WELL (FEET)	9.5			SAMPLE PUMP FLOW RATE (mL/min)	500/100
SAMPLING INITIATED	0715	SAMPLING ENDED	0717	FIELD CLEANED	Y (N)	CLEANING STEPS	—		
FIELD FILTERED?	Y (N)	FILTER SIZE (µm)	—	DUPLICATE	Y (N)	VOC COLLECTED BY REVERSE FLOW?	(Y) N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N (N/A)
PRESERVATION CHECKED IN FIELD?	(Y) N N/A	LIST PRESERVATIVES ADDED							
WEATHER CONDITIONS	Sunny / Cool								
COMMENTS									

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [signature] Date: 3/2/6

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Mantee County Utilities	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Date Sampled	2/28/06	SAL Project #	57756	Project Name	Semi-Annual Monitor Wells
Well Number	BGW-1	Sample ID	-18	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)	2.0	WELL CAPACITY (gal/ft)	0.1632	Screen Interval (Feet)	UNK To UNK	Static Depth to Water (Feet)	6.19	PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)	20.30	REFERENCE ELEVATION (NGVD)	47.57	GROUND WATER ELEVATION (REFERENCE-STATIC)	41.38 ✓	TUBING DIAMETER (Inches)	—	TUBING CAPACITY (gal/ft)	—

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (20.30 -) * 0.1632

ONE WELL VOLUME	2.30	1/4 WELL VOLUME	—	3 WELL VOLUMES	6.90	5 WELL VOLUMES	—

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME	—	TUBING LEGNTH	—	FLOW CELL VOLUME	—	EQUIPMENT VOLUME	—

INITIAL TUBING LEGNTH IN WELL (FEET)	—	FINAL TUBING LEGNTH IN WELL (FEET)	—	PURGE TIME START	11:06	PURGE TIME END	11:21	TOTAL PURGED	7.50

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
11:11	2.50	2.50	0.50	6.72	6.1	23.3	631	0.31	21.4	Turbid	None
11:16	2.50	5.0	"	6.72	6.1	23.3	633	0.30	12.2	Clear	"
11:21	2.50	7.50	"	6.72	6.1	23.3	635	0.20	8.71	"	"

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" =0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)	SAL					SAMPLER(S) SIGNATURES:	Larry R. Wood		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP TL TT			SAMPLE TUBING LEGNTH IN WELL (FEET)		—		SAMPLE PUMP FLOW RATE (mL/min)	—
SAMPLING INITIATED	11:22	SAMPLING ENDED	11:27	FIELD CLEANED	Y N	CLEANING STEPS	—		
FIELD FILTERED?	Y N	FILTER SIZE (µm)	—	DUPLICATE	Y N	VOC COLLECTED BY REVERSE FLOW?	Y N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N N/A
PRESERVATION CHECKED IN FIELD?	Y N N/A	LIST PRESERVATIVES ADDED	—						
WEATHER CONDITIONS	Clear								
COMMENTS									

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: [illegible] Date: 3/2/6

ATTACHMENT C

ATTACHMENT C

Laboratory Analytical Reports

ATTACHMENT C-2

Attachment C-2

Groundwater Analytical Report

REPORT OF ANALYSIS

MANATEE COUNTY UTILITY OPERATIONS
CENTRAL WASTEWATER LABORATORY
5101 65 TH STREET WEST
BRADENTON, FL 34210

Phone: (941) 792-8811 ext. 5285

Fax: (941) 795-3452

FDOHLAB ID: E54560

USEPA LAB CODE: FL00031

Laboratory Contact: Jeff Goodwin

PREPARED FOR:	Mr. Gus Difonzo	SAMPLE RECEIPT DATE:	02/27/2006
	MCUOD Solid Waste Division	REPORT DATE:	4/21/2006
	4410 66th Street West	PROJECT NAME:	Lena Road Semi Annual Groundwater Monitoring Report
	Bradenton, FL 34210		

Data Release Authorization:

The Methods of analysis in this report are in accordance with MCUOD Central Wastewater laboratory's Quality Assurance Manual and meet all NELAC standards except where noted. Results pertain only to items tested and to the samples specified. This report may not be reproduced, except in full, without the written approval of this laboratory.

Jeffrey A. Goodwin, Laboratory Supervisor

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sample ID AE09961		**Collection Date / Time**			**02/27/2006 07:09**				
Sample Point		**Lena Road Monitoring Well GW-1**							
Chloride by Ion Chromatography	EPA 300.0	48.1	mg/L		03/02/2006	15:40	0.250	1.00	EMM
trate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	10:59	0.006	0.025	IR
Metals by 200.7									
dium	EPA 200.7	19.7	mg/L		03/13/2006	11:40	0.500	1.50	WWC
Vanadium	EPA 200.7	0.005	mg/L		03/13/2006	11:40	0.0005	0.002	WWC
ver	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:40	0.002	0.006	WWC
Nickel	EPA 200.7	0.001	mg/L	I	03/13/2006	11:40	0.001	0.003	WWC
ad Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:40	0.005	0.015	WWC
Iron	EPA 200.7	7.41	mg/L		03/13/2006	11:40	0.010	0.030	WWC
pper	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:40	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:40	0.001	0.003	WWC
romium	EPA 200.7	0.001	mg/L	I	03/13/2006	11:40	0.001	0.003	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:40	0.0002	0.0006	WWC
rium	EPA 200.7	0.004	mg/L		03/13/2006	11:40	0.0005	0.002	WWC
Arsenic	EPA 200.7	0.045	mg/L		03/13/2006	11:40	0.007	0.021	WWC
nc	EPA 200.7	0.010	mg/L	I	03/13/2006	11:40	0.010	0.030	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:40	0.0005	0.002	WWC
ercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:25	0.100	0.300	WWC
timony by GFAAS	EPA 204.2	0.002	mg/L	I	03/10/2006	11:57	0.0015	0.006	WC
lenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	13:56	0.0002	0.001	WWC
allium by GFAAS	EPA 279.2	0.001	mg/L	I	03/14/2006	11:19	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.732	mg/L		02/28/2006	10:11	0.011	0.054	EMM
tal Dissolved Solids	SM 2540 C	430	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR
Sample ID AE09962		**Collection Date / Time**			**02/27/2006 07:54**				
Sample Point		**Lena Road Monitoring Well GW-2**							
Chloride by Ion Chromatography	EPA 300.0	23.3	mg/L		03/02/2006	15:52	0.250	1.00	EMM
rate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	12:26	0.006	0.025	IR
Metals by 200.7									
yllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:45	0.0002	0.0006	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:45	0.005	0.015	WWC

Used params for MDL

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:45	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:45	0.001	0.003	WWC
Chromium	EPA 200.7	0.002	mg/L	I	03/13/2006	11:45	0.001	0.003	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:45	0.0005	0.002	WWC
Iron	EPA 200.7	12.3	mg/L		03/13/2006	11:45	0.010	0.030	WWC
Barium	EPA 200.7	0.007	mg/L		03/13/2006	11:45	0.0005	0.002	WWC
Arsenic	EPA 200.7	0.025	mg/L		03/13/2006	11:45	0.007	0.021	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:45	0.002	0.006	WWC
Sodium	EPA 200.7	13.9	mg/L		03/13/2006	11:45	0.500	1.50	WWC
Vanadium	EPA 200.7	0.012	mg/L		03/13/2006	11:45	0.0005	0.002	WWC
Zinc	EPA 200.7	0.012	mg/L	I	03/13/2006	11:45	0.010	0.030	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:45	0.001	0.003	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:27	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.003	mg/L	I	03/10/2006	12:05	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.003	mg/L		04/07/2006	15:14	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	0.001	mg/L	I	03/14/2006	11:27	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.843	mg/L		02/28/2006	10:12	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	393	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR

Sample ID AE09963 Collection Date / Time 02/27/2006 08:40

Sample Point Lena Road Monitoring Well GW-3

Chloride by Ion Chromatography	EPA 300.0	40.2	mg/L		03/02/2006	17:00	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	12:39	0.006	0.025	IR
Metals by 200.7									
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.005	0.015	WWC
Iron	EPA 200.7	8.28	mg/L		03/13/2006	11:51	0.010	0.030	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.005	0.015	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.001	0.003	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.002	0.006	WWC
Vanadium	EPA 200.7	0.013	mg/L		03/13/2006	11:51	0.0005	0.002	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.001	0.003	WWC
Zinc	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.010	0.030	WWC
Arsenic	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.007	0.021	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Sodium	EPA 200.7	32.2	mg/L		03/13/2006	11:51	0.500	1.50	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:51	0.0002	0.0006	WWC
Barium	EPA 200.7	0.004	mg/L		03/13/2006	11:51	0.0005	0.002	WWC
Chromium	EPA 200.7	0.002	mg/L	I	03/13/2006	11:51	0.001	0.003	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:30	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.002	mg/L	I	03/10/2006	12:12	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.002	mg/L		04/07/2006	15:21	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	11:36	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.591	mg/L		02/28/2006	10:13	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	463	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR

Sample ID AE09964 Collection Date / Time 02/27/2006 09:18

Sample Point Lena Road Monitoring Well GW-4

Chloride by Ion Chromatography	EPA 300.0	11.2	mg/L		03/02/2006	17:11	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	12:51	0.006	0.025	IR
Metals by 200.7									
Chromium	EPA 200.7	0.002	mg/L	I	03/13/2006	11:57	0.001	0.003	WWC
Sodium	EPA 200.7	6.43	mg/L		03/13/2006	11:57	0.500	1.50	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.002	0.006	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.001	0.003	WWC
Lead Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.001	0.003	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.005	0.015	WWC
Zinc	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.010	0.030	WWC
Vanadium	EPA 200.7	0.009	mg/L		03/13/2006	11:57	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.0002	0.0006	WWC
Barium	EPA 200.7	0.005	mg/L		03/13/2006	11:57	0.0005	0.002	WWC
Arsenic	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.007	0.021	WWC
Iron	EPA 200.7	10.0	mg/L		03/13/2006	11:57	0.010	0.030	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:57	0.0005	0.002	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:32	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/10/2006	13:20	0.0015	0.006	WC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	15:29	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	0.0004	mg/L	I	03/14/2006	11:44	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.592	mg/L		02/28/2006	10:14	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	225	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR

Sample ID AE09965 Collection Date / Time 02/27/2006 09:54

Sample Point Lena Road Monitoring Well GW-5

Chloride by Ion Chromatography	EPA 300.0	24.0	mg/L		03/02/2006	17:22	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	13:04	0.006	0.025	IR
Metals by 200.7									
Barium	EPA 200.7	0.014	mg/L		03/13/2006	12:03	0.0005	0.002	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:03	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:03	0.001	0.003	WWC
Chromium	EPA 200.7	0.002	mg/L	I	03/13/2006	12:03	0.001	0.003	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:03	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:03	0.0002	0.0006	WWC
Iron	EPA 200.7	16.8	mg/L		03/13/2006	12:03	0.010	0.030	WWC
Arsenic	EPA 200.7	0.018	mg/L	I	03/13/2006	12:03	0.007	0.021	WWC
Nickel	EPA 200.7	0.002	mg/L	I	03/13/2006	12:03	0.001	0.003	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:03	0.002	0.006	WWC
Sodium	EPA 200.7	21.6	mg/L		03/13/2006	12:03	0.500	1.50	WWC
Zinc	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:03	0.010	0.030	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:03	0.005	0.015	WWC
Vanadium	EPA 200.7	0.007	mg/L		03/13/2006	12:03	0.0005	0.002	WWC
Continuing Cal. Blank for Antimony by	EPA 204.2	< MDL	mg/L		03/10/2006	14:32	0.0015	0.006	WC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:40	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.0015	mg/L	I	03/10/2006	12:44	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	12:46	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	12:09	0.0004	0.002	WWC
Ammonia	EPA 350.1	1.08	mg/L		02/28/2006	10:15	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	302	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR

Sample ID AE09966 Collection Date / Time 02/27/2006 10:34

Sample Point Lena Road Monitoring Well GW-6

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Chloride by Ion Chromatography	EPA 300.0	10.8	mg/L		03/02/2006	17:34	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	13:16	0.006	0.025	IR
Metals by 200.7									
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.001	0.003	WWC
Chromium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.001	0.003	WWC
Vanadium	EPA 200.7	0.005	mg/L		03/13/2006	12:08	0.0005	0.002	WWC
Sodium	EPA 200.7	15.3	mg/L		03/13/2006	12:08	0.500	1.50	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.002	0.006	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.001	0.003	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.005	0.015	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.005	0.015	WWC
Zinc	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.010	0.030	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.0002	0.0006	WWC
Barium	EPA 200.7	0.004	mg/L		03/13/2006	12:08	0.0005	0.002	WWC
Iron	EPA 200.7	5.64	mg/L		03/13/2006	12:08	0.010	0.030	WWC
Arsenic	EPA 200.7	0.010	mg/L	I	03/13/2006	12:08	0.007	0.021	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:08	0.0005	0.002	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:49	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/10/2006	13:15	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	<MDL	mg/L	U	04/07/2006	15:52	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	0.001	mg/L	I	03/14/2006	12:43	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.454	mg/L		02/28/2006	10:16	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	207	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR

Sample ID AE09967 Collection Date / Time 02/27/2006 11:05

Sample Point Lena Road Monitoring Well GW-7

Chloride by Ion Chromatography	EPA 300.0	10.9	mg/L		03/02/2006	17:45	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	13:29	0.006	0.025	IR
Metals by 200.7									
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:14	0.001	0.003	WWC
Sodium	EPA 200.7	10.8	mg/L		03/13/2006	12:14	0.500	1.50	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:14	0.002	0.006	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:14	0.001	0.003	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:14	0.005	0.015	WWC
Iron	EPA 200.7	0.113	mg/L		03/13/2006	12:14	0.010	0.030	WWC
Arsenic	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:14	0.007	0.021	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:14	0.005	0.015	WWC
Zinc	EPA 200.7	0.012	mg/L	I	03/13/2006	12:14	0.010	0.030	WWC
Vanadium	EPA 200.7	0.005	mg/L		03/13/2006	12:14	0.0005	0.002	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:14	0.0005	0.002	WWC
Barium	EPA 200.7	0.008	mg/L		03/13/2006	12:14	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:14	0.0002	0.0006	WWC
Chromium	EPA 200.7	0.002	mg/L	I	03/13/2006	12:14	0.001	0.003	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:52	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/10/2006	13:22	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	16:31	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	12:51	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.715	mg/L		02/28/2006	10:17	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	264	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR

Sample ID AE09968 Collection Date / Time 02/27/2006 07:44

Sample Point Lena Road Monitoring Well GW-16

Chloride by Ion Chromatography	EPA 300.0	79.0	mg/L		03/02/2006	17:56	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	13:41	0.006	0.025	IR
Metals by 200.7									
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:20	0.0002	0.0006	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:20	0.0005	0.002	WWC
Chromium	EPA 200.7	0.001	mg/L	I	03/13/2006	12:20	0.001	0.003	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:20	0.001	0.003	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:20	0.005	0.015	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:20	0.005	0.015	WWC
Iron	EPA 200.7	1.89	mg/L		03/13/2006	12:20	0.010	0.030	WWC
Barium	EPA 200.7	0.019	mg/L		03/13/2006	12:20	0.0005	0.002	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:20	0.002	0.006	WWC
Nickel	EPA 200.7	0.001	mg/L	I	03/13/2006	12:20	0.001	0.003	WWC
Sodium	EPA 200.7	62.9	mg/L		03/13/2006	12:20	0.500	1.50	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Arsenic	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:20	0.007	0.021	WWC
Vanadium	EPA 200.7	0.004	mg/L		03/13/2006	12:20	0.0005	0.002	WWC
Zinc	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:20	0.010	0.030	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:54	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/10/2006	13:30	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	16:39	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	12:59	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.784	mg/L		02/28/2006	10:18	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	376	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR

Sample ID AE09969 Collection Date / Time 02/27/2006 07:17

Sample Point Lena Road Monitoring Well GW-17

Chloride by Ion Chromatography	EPA 300.0	5.79	mg/L		03/02/2006	18:08	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	13:54	0.006	0.025	IR
Metals by 200.7									
Barium	EPA 200.7	0.005	mg/L		03/13/2006	12:45	0.0005	0.002	WWC
Arsenic	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:45	0.007	0.021	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:45	0.0002	0.0006	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:45	0.0005	0.002	WWC
Chromium	EPA 200.7	0.006	mg/L		03/13/2006	12:45	0.001	0.003	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:45	0.001	0.003	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:45	0.005	0.015	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:45	0.005	0.015	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:45	0.001	0.003	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	12:45	0.002	0.006	WWC
Sodium	EPA 200.7	5.37	mg/L		03/13/2006	12:45	0.500	1.50	WWC
Vanadium	EPA 200.7	0.026	mg/L		03/13/2006	12:45	0.0005	0.002	WWC
Zinc	EPA 200.7	0.013	mg/L	I	03/13/2006	12:45	0.010	0.030	WWC
Iron	EPA 200.7	3.75	mg/L		03/13/2006	12:45	0.010	0.030	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:57	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/10/2006	13:38	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	16:47	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	13:07	0.0004	0.002	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Ammonia	EPA 350.1	1.65	mg/L		02/28/2006	10:32	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	116	mg/L		03/05/2006	11:20	2.50	7.50	IR

Sample ID AE09988 Collection Date / Time 02/28/2006 06:46

Sample Point Lena Road Monitoring Well GW-8

Chloride by Ion Chromatography	EPA 300.0	31.1	mg/L		03/02/2006	18:19	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	15:21	0.006	0.025	IR
Metals by 200.7									
Vanadium	EPA 200.7	0.016	mg/L		03/13/2006	13:19	0.0005	0.002	WWC
Iron	EPA 200.7	0.256	mg/L		03/13/2006	13:19	0.010	0.030	WWC
Arsenic	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.007	0.021	WWC
Barium	EPA 200.7	0.018	mg/L		03/13/2006	13:19	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.0002	0.0006	WWC
Zinc	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.010	0.030	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.005	0.015	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.002	0.006	WWC
Chromium	EPA 200.7	0.004	mg/L		03/13/2006	13:19	0.001	0.003	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.0005	0.002	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.001	0.003	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:19	0.001	0.003	WWC
Sodium	EPA 200.7	17.6	mg/L		03/13/2006	13:19	0.500	1.50	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:59	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/10/2006	13:46	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	16:54	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	0.001	mg/L	I	03/14/2006	13:15	0.0004	0.002	WWC
Ammonia	EPA 350.1	1.05	mg/L		03/07/2006	13:05	0.011	0.054	REED
Total Dissolved Solids	SM 2540 C	320	mg/L		03/05/2006	11:20	2.50	7.50	IR

Sample ID AE09989 Collection Date / Time 02/28/2006 07:19

Sample Point Lena Road Monitoring Well GW-9

Chloride by Ion Chromatography	EPA 300.0	22.5	mg/L		03/02/2006	18:30	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	15:34	0.006	0.025	IR
Metals by 200.7									

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.005	0.015	WWC
Zinc	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.010	0.030	WWC
Vanadium	EPA 200.7	0.001	mg/L	I	03/13/2006	13:24	0.0005	0.002	WWC
Sodium	EPA 200.7	16.1	mg/L		03/13/2006	13:24	0.500	1.50	WWC
Arsenic	EPA 200.7	0.021	mg/L	I	03/13/2006	13:24	0.007	0.021	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.002	0.006	WWC
Iron	EPA 200.7	6.80	mg/L		03/13/2006	13:24	0.010	0.030	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.001	0.003	WWC
Chromium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.001	0.003	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.0002	0.0006	WWC
Barium	EPA 200.7	0.016	mg/L		03/13/2006	13:24	0.0005	0.002	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:24	0.001	0.003	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	12:02	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/10/2006	13:53	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	17:02	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	13:24	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.856	mg/L		03/07/2006	13:06	0.011	0.054	REED
Total Dissolved Solids	SM 2540 C	326	mg/L		03/05/2006	11:20	2.50	7.50	IR

Sample ID AE09990 Collection Date / Time 02/28/2006 08:00

Sample Point Lena Road Monitoring Well GW-10

Chloride by Ion Chromatography	EPA 300.0	18.0	mg/L		03/02/2006	19:38	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	15:46	0.006	0.025	IR
Metals by 200.7									
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:32	0.002	0.006	WWC
Zinc	EPA 200.7	0.011	mg/L	I	03/13/2006	13:32	0.010	0.030	WWC
Sodium	EPA 200.7	17.2	mg/L		03/13/2006	13:32	0.500	1.50	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:32	0.0005	0.002	WWC
Arsenic	EPA 200.7	0.010	mg/L	I	03/13/2006	13:32	0.007	0.021	WWC
Barium	EPA 200.7	0.052	mg/L		03/13/2006	13:32	0.0005	0.002	WWC
Vanadium	EPA 200.7	0.002	mg/L	I	03/13/2006	13:32	0.0005	0.002	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:32	0.0002	0.0006	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:32	0.001	0.003	WWC
Chromium	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:32	0.001	0.003	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:32	0.005	0.015	WWC
Iron	EPA 200.7	8.09	mg/L		03/13/2006 13:32	0.010	0.030	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:32	0.001	0.003	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:32	0.005	0.015	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006 12:04	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.0015	mg/L	I	03/10/2006 14:01	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006 17:10	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	0.001	mg/L	I	03/14/2006 13:32	0.0004	0.002	WWC
Ammonia	EPA 350.1	2.06	mg/L		03/07/2006 13:07	0.011	0.054	REED
Total Dissolved Solids	SM 2540 C	518	mg/L		03/05/2006 11:20	2.50	7.50	IR

Sample ID AE09991 Collection Date / Time 02/28/2006 08:59

Sample Point Lena Road Monitoring Well GW-11

Chloride by Ion Chromatography	EPA 300.0	6.71	mg/L		03/02/2006 19:50	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006 15:59	0.006	0.025	IR
Metals by 200.7								
Vanadium	EPA 200.7	0.015	mg/L		03/13/2006 13:38	0.0005	0.002	WWC
Sodium	EPA 200.7	5.00	mg/L		03/13/2006 13:38	0.500	1.50	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.005	0.015	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.002	0.006	WWC
Iron	EPA 200.7	2.52	mg/L		03/13/2006 13:38	0.010	0.030	WWC
Zinc	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.010	0.030	WWC
Barium	EPA 200.7	0.018	mg/L		03/13/2006 13:38	0.0005	0.002	WWC
Arsenic	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.007	0.021	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.0002	0.0006	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.0005	0.002	WWC
Chromium	EPA 200.7	0.002	mg/L	I	03/13/2006 13:38	0.001	0.003	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.001	0.003	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.005	0.015	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006 13:38	0.001	0.003	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	12:06	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/10/2006	14:09	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	17:17	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	13:40	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.643	mg/L		03/07/2006	13:08	0.011	0.054	REED
Total Dissolved Solids	SM 2540 C	213	mg/L		03/05/2006	11:20	2.50	7.50	IR

Sample ID AE09992 Collection Date / Time 02/28/2006 09:24

Sample Point Lena Road Monitoring Well GW-12

Chloride by Ion Chromatography	EPA 300.0	6.49	mg/L		03/02/2006	20:01	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	16:11	0.006	0.025	IR
Metals by 200.7									
Barium	EPA 200.7	0.057	mg/L		03/13/2006	13:43	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:43	0.0002	0.0006	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:43	0.0005	0.002	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:43	0.005	0.015	WWC
Cobalt	EPA 200.7	0.002	mg/L	I	03/13/2006	13:43	0.001	0.003	WWC
Iron	EPA 200.7	3.42	mg/L		03/13/2006	13:43	0.010	0.030	WWC
Vanadium	EPA 200.7	0.007	mg/L		03/13/2006	13:43	0.0005	0.002	WWC
Sodium	EPA 200.7	5.57	mg/L		03/13/2006	13:43	0.500	1.50	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:43	0.005	0.015	WWC
Zinc	EPA 200.7	0.011	mg/L	I	03/13/2006	13:43	0.010	0.030	WWC
Arsenic	EPA 200.7	0.012	mg/L	I	03/13/2006	13:43	0.007	0.021	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:43	0.002	0.006	WWC
Chromium	EPA 200.7	0.001	mg/L	I	03/13/2006	13:43	0.001	0.003	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:43	0.001	0.003	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	12:09	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.003	mg/L		03/10/2006	14:17	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.002	mg/L		04/07/2006	17:25	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	13:48	0.0004	0.002	WWC
Ammonia	EPA 350.1	1.24	mg/L		03/07/2006	13:09	0.011	0.054	REED
Total Dissolved Solids	SM 2540 C	434	mg/L		03/05/2006	11:20	2.50	7.50	IR

Sample ID AE09993 Collection Date / Time 02/28/2006 10:01

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Sample Point	**Lena Road Monitoring Well GW-13**							
hloride by Ion Chromatography	EPA 300.0	32.0	mg/L		03/02/2006	19:04	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	16:24	0.006	0.025	IR
etals by 200.7									
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:49	0.001	0.003	WWC
opper	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:49	0.005	0.015	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:49	0.005	0.015	WWC
hromium	EPA 200.7	0.001	mg/L	I	03/13/2006	13:49	0.001	0.003	WWC
Sodium	EPA 200.7	27.7	mg/L		03/13/2006	13:49	0.500	1.50	WWC
on	EPA 200.7	8.45	mg/L		03/13/2006	13:49	0.010	0.030	WWC
Vanadium	EPA 200.7	0.005	mg/L		03/13/2006	13:49	0.0005	0.002	WWC
inc	EPA 200.7	0.010	mg/L	I	03/13/2006	13:49	0.010	0.030	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:49	0.002	0.006	WWC
rsenic	EPA 200.7	0.007	mg/L	I	03/13/2006	13:49	0.007	0.021	WWC
Barium	EPA 200.7	0.033	mg/L		03/13/2006	13:49	0.0005	0.002	WWC
ickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:49	0.001	0.003	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:49	0.0002	0.0006	WWC
admium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:49	0.0005	0.002	WWC
ontinuing Cal. Blank for Antimony by	EPA 204.2	< MDL	mg/L	U	03/22/2006	12:33	0.0015	0.006	WWC
ercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	12:16	0.100	0.300	WWC
ntimony by GFAAS	EPA 204.2	0.008	mg/L		03/22/2006	11:15	0.0015	0.006	WWC
elenium by GFAAS	EPA 270.2	0.004	mg/L		04/07/2006	18:19	0.0002	0.001	WWC
hallium by GFAAS	EPA 279.2	< MDL	mg/L	I	03/14/2006	14:13	0.0004	0.002	WWC
Ammonia	EPA 350.1	5.32	mg/L		03/07/2006	13:37	0.011	0.054	REED
otal Dissolved Solids	SM 2540 C	1390	mg/L		03/05/2006	11:20	2.50	7.50	IR
Sample ID	**AE09994**	**Collection Date / Time**			**02/28/2006**	**10:52**		
Sample Point	**Lena Road Monitoring Well GW-14**							
Chloride by Ion Chromatography	EPA 300.0	429	mg/L		03/03/2006	12:47	0.250	1.00	EMM
trate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	16:36	0.006	0.025	IR
Metals by 200.7									
rsenic	EPA 200.7	0.016	mg/L		03/13/2006	13:55	0.007	0.021	WWC
Iron	EPA 200.7	23.576	mg/L		03/13/2006	13:55	0.010	0.030	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Copper	EPA 200.7	0.010	mg/L		03/13/2006	13:55	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:55	0.001	0.003	WWC
Chromium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:55	0.001	0.003	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:55	0.0005	0.002	WWC
Barium	EPA 200.7	0.053	mg/L		03/13/2006	13:55	0.0005	0.002	WWC
Vanadium	EPA 200.7	0.005	mg/L		03/13/2006	13:55	0.0005	0.002	WWC
Nickel	EPA 200.7	0.002	mg/L	I	03/13/2006	13:55	0.001	0.003	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:55	0.002	0.006	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:55	0.005	0.015	WWC
Sodium	EPA 200.7	141	mg/L		03/13/2006	13:55	0.500	1.50	WWC
Zinc	EPA 200.7	< MDL	mg/L		03/13/2006	13:55	0.010	0.030	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	13:55	0.0002	0.0006	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	12:26	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.006	mg/L	I	03/22/2006	11:46	0.0015	0.006	WWC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	17:49	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	14:46	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.487	mg/L		03/07/2006	13:11	0.011	0.054	REED
Total Dissolved Solids	SM 2540 C	1640	mg/L		03/05/2006	11:20	2.50	7.50	IR

Sample ID AE09995 Collection Date / Time 02/28/2006 10:57

Sample Point Lena Road Monitoring Well GW-15

Chloride by Ion Chromatography	EPA 300.0	89.4	mg/L		03/02/2006	20:24	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	0.043	mg/L		02/28/2006	16:49	0.006	0.025	IR
Metals by 200.7									
Sodium	EPA 200.7	57.8	mg/L		03/13/2006	10:46	0.500	1.50	WWC
Vanadium	EPA 200.7	0.008	mg/L		03/13/2006	10:46	0.0005	0.002	WWC
Chromium	EPA 200.7	0.002	mg/L	I	03/13/2006	10:46	0.001	0.003	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	03/13/2006	10:46	0.001	0.003	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	10:46	0.005	0.015	WWC
Iron	EPA 200.7	18.0	mg/L		03/13/2006	10:46	0.010	0.030	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	10:46	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	10:46	0.001	0.003	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	10:46	0.002	0.006	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	10:46	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	10:46	0.0002	0.0006	WWC
Barium	EPA 200.7	0.040	mg/L		03/13/2006	10:46	0.0005	0.002	WWC
Arsenic	EPA 200.7	0.011	mg/L	I	03/13/2006	10:46	0.007	0.021	WWC
Zinc	EPA 200.7	0.016	mg/L		03/13/2006	10:46	0.010	0.030	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	12:29	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	< MDL	mg/L	U	03/22/2006	11:53	0.0015	0.006	WWC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006	18:27	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	14:54	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.980	mg/L		03/07/2006	13:16	0.011	0.054	REED
Total Dissolved Solids	SM 2540 C	403	mg/L		03/05/2006	11:20	2.50	7.50	IR

Sample ID AE09996 **Collection Date / Time** 02/28/2006 11:22

Sample Point Lena Road Monitoring Well BGW-1

Chloride by Ion Chromatography	EPA 300.0	83.1	mg/L		03/02/2006	14:21	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	17:26	0.006	0.025	IR
Metals by 200.7									
Barium	EPA 200.7	0.013	mg/L		03/13/2006	11:34	0.0005	0.002	WWC
Nickel	EPA 200.7	0.001	mg/L	I	03/13/2006	11:34	0.001	0.003	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:34	0.005	0.015	WWC
Iron	EPA 200.7	0.209	mg/L		03/13/2006	11:34	0.010	0.030	WWC
Copper	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:34	0.005	0.015	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:34	0.001	0.003	WWC
Chromium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:34	0.001	0.003	WWC
Vanadium	EPA 200.7	0.004	mg/L		03/13/2006	11:34	0.0005	0.002	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:34	0.0002	0.0006	WWC
Arsenic	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:34	0.007	0.021	WWC
Sodium	EPA 200.7	66.4	mg/L		03/13/2006	11:34	0.500	1.50	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:34	0.002	0.006	WWC
Zinc Zinc	EPA 200.7	0.010	mg/L	I	03/13/2006	11:34	0.010	0.030	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/13/2006	11:34	0.0005	0.002	WWC
Continuing Cal. Blank for Antimony by	EPA 204.2	< MDL	mg/L	U	03/10/2006	12:36	0.0015	0.006	WC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:03	0.100	0.300	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Antimony by GFAAS	EPA 204.2	0.0015	mg/L	I	03/10/2006 10:47	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.001	mg/L	I	04/07/2006 15:52	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006 10:05	0.0004	0.002	WWC
Ammonia	EPA 350.1	0.997	mg/L		03/07/2006 13:18	0.011	0.054	REED
Total Dissolved Solids	SM 2540 C	374	mg/L		03/05/2006 11:20	2.50	7.50	IR

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst

Batch Name **$ICPWATER-6019** **QA Sample ID** **AE09995**

Samples **AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09995 AE09996**

Method Blank for Metals by 200.7								
Chromium		< MDL	mg/L	U	03/13/2006	10:29		WWC
Zinc		< MDL	mg/L	U	03/13/2006	10:29		WWC
Arsenic		< MDL	mg/L	U	03/13/2006	10:29		WWC
Barium		< MDL	mg/L	U	03/13/2006	10:29		WWC
Cadmium		< MDL	mg/L	U	03/13/2006	10:29		WWC
Cobalt		< MDL	mg/L	U	03/13/2006	10:29		WWC
Copper		< MDL	mg/L	U	03/13/2006	10:29		WWC
Iron		< MDL	mg/L	U	03/13/2006	10:29		WWC
Lead		< MDL	mg/L	U	03/13/2006	10:29		WWC
Nickel		< MDL	mg/L	U	03/13/2006	10:29		WWC
Silver		< MDL	mg/L	U	03/13/2006	10:29		WWC
Sodium		< MDL	mg/L	U	03/13/2006	10:29		WWC
Vanadium		< MDL	mg/L	U	03/13/2006	10:29		WWC
Beryllium		< MDL	mg/L	U	03/13/2006	10:29		WWC
Continuing Cal. Blank for Metals by 200.								
Copper		< MDL	mg/L	U	03/13/2006	12:32		WWC
Iron		< MDL	mg/L	U	03/13/2006	12:32		WWC
Vanadium		< MDL	mg/L	U	03/13/2006	12:32		WWC
Sodium		< MDL	mg/L	U	03/13/2006	12:32		WWC
Silver		< MDL	mg/L	U	03/13/2006	12:32		WWC
Nickel		< MDL	mg/L	U	03/13/2006	12:32		WWC
Lead		< MDL	mg/L	U	03/13/2006	12:32		WWC
Arsenic		< MDL	mg/L	U	03/13/2006	12:32		WWC
Barium		< MDL	mg/L	U	03/13/2006	12:32		WWC
Beryllium		< MDL	mg/L	U	03/13/2006	12:32		WWC
Cadmium		< MDL	mg/L	U	03/13/2006	12:32		WWC
Chromium		< MDL	mg/L	U	03/13/2006	12:32		WWC
Cobalt		< MDL	mg/L	U	03/13/2006	12:32		WWC
Zinc		< MDL	mg/L	U	03/13/2006	12:32		WWC
Continuous Calibration for Metals by 200								
Beryllium		0.484	mg/L		03/13/2006	12:26		WWC
Vanadium		1.96	mg/L		03/13/2006	12:26		WWC
Zinc		1.92	mg/L		03/13/2006	12:26		WWC
Sodium		91.2	mg/L		03/13/2006	12:26		WWC
Barium		0.947	mg/L		03/13/2006	12:26		WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6019		**QA Sample ID AE09995**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09995 AE09996								
Continuous Calibration for Metals by 200								
Cadmium		1.99	mg/L		03/13/2006 12:26			WWC
hromium		1.94	mg/L		03/13/2006 12:26			WWC
Cobalt		1.99	mg/L		03/13/2006 12:26			WWC
opper		1.94	mg/L		03/13/2006 12:26			WWC
n		9.81	mg/L		03/13/2006 12:26			WWC
Lead		1.98	mg/L		03/13/2006 12:26			WWC
ckel		1.98	mg/L		03/13/2006 12:26			WWC
Silver		0.488	mg/L		03/13/2006 12:26			WWC
senic		1.86	mg/L		03/13/2006 12:26			WWC
Cont Calb Rec for Metals by 200.7								
opper		97.0	%		03/16/2006 13:26			WWC
senic		93.0	%		03/16/2006 13:26			WWC
Beryllium		96.8	%		03/16/2006 13:26			WWC
dmium		99.5	%		03/16/2006 13:26			WWC
Barium		94.7	%		03/16/2006 13:26			WWC
bbalt		99.5	%		03/16/2006 13:26			WWC
Zinc		96.0	%		03/16/2006 13:26			WWC
on		98.1	%		03/16/2006 13:26			WWC
ad		99.0	%		03/16/2006 13:26			WWC
Nickel		99.0	%		03/16/2006 13:26			WWC
ver		97.6	%		03/16/2006 13:26			WWC
Sodium		91.2	%		03/16/2006 13:26			WWC
nadium		98.0	%		03/16/2006 13:26			WWC
Chromium		97.0	%		03/16/2006 13:26			WWC
Sample Dup for Metals by 200.7								
ver		< MDL	mg/L	U	03/13/2006 10:52			WWC
Vanadium		0.008	mg/L		03/13/2006 10:52			WWC
dium		58.6	mg/L		03/13/2006 10:52			WWC
Cadmium		< MDL	mg/L	U	03/13/2006 10:52			WWC
nc		< MDL	mg/L	U	03/13/2006 10:52			WWC
Arsenic		0.012	mg/L	I	03/13/2006 10:52			WWC
Nickel		< MDL	mg/L	U	03/13/2006 10:52			WWC
eryllium		< MDL	mg/L	U	03/13/2006 10:52			WWC
Chromium		0.001	mg/L	I	03/13/2006 10:52			WWC
bbalt		< MDL	mg/L	U	03/13/2006 10:52			WWC
Copper		< MDL	mg/L	U	03/13/2006 10:52			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6019		**QA Sample ID AE09995**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09995 AE09996								
Sample Dup for Metals by 200.7								
Iron		18.3	mg/L		03/13/2006 10:52			WWC
Lead		< MDL	mg/L	U	03/13/2006 10:52			WWC
Barium		0.040	mg/L		03/13/2006 10:52			WWC
Initial Calibration for Metals by 200.7								
Sodium		48.2	mg/L		03/13/2006 10:34			WWC
Cobalt		1.00	mg/L		03/13/2006 10:34			WWC
Beryllium		0.249	mg/L		03/13/2006 10:34			WWC
Cadmium		0.996	mg/L		03/13/2006 10:34			WWC
Zinc		1.00	mg/L		03/13/2006 10:34			WWC
Chromium		0.986	mg/L		03/13/2006 10:34			WWC
Copper		0.996	mg/L		03/13/2006 10:34			WWC
Iron		5.10	mg/L		03/13/2006 10:34			WWC
Lead		1.01	mg/L		03/13/2006 10:34			WWC
Barium		0.485	mg/L		03/13/2006 10:34			WWC
Silver		0.249	mg/L		03/13/2006 10:34			WWC
Arsenic		0.984	mg/L		03/13/2006 10:34			WWC
Vanadium		1.00	mg/L		03/13/2006 10:34			WWC
Nickel		1.01	mg/L		03/13/2006 10:34			WWC
Int Calb Rec for Metals by 200.7								
Copper		99.6	%		03/16/2006 13:26			WWC
Sodium		96.4	%		03/16/2006 13:26			WWC
Silver		99.6	%		03/16/2006 13:26			WWC
Nickel		101	%		03/16/2006 13:26			WWC
Iron		102	%		03/16/2006 13:26			WWC
Zinc		100	%		03/16/2006 13:26			WWC
Cobalt		100	%		03/16/2006 13:26			WWC
Chromium		98.7	%		03/16/2006 13:26			WWC
Cadmium		99.6	%		03/16/2006 13:26			WWC
Beryllium		99.6	%		03/16/2006 13:26			WWC
Barium		97.0	%		03/16/2006 13:26			WWC
Arsenic		98.4	%		03/16/2006 13:26			WWC
Vanadium		100	%		03/16/2006 13:26			WWC
Lead		101	%		03/16/2006 13:26			WWC
Metals by 200.7								
Iron		18.0	mg/L		03/13/2006 10:46			WWC
Silver		< MDL	mg/L	U	03/13/2006 10:46			WWC
Cobalt		< MDL	mg/L	U	03/13/2006 10:46			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6019		**QA Sample ID AE09995**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09995 AE09996								
Metals by 200.7								
Arsenic		0.011	mg/L	I	03/13/2006 10:46			WWC
Zinc		0.016	mg/L		03/13/2006 10:46			WWC
Sodium		57.8	mg/L		03/13/2006 10:46			WWC
Nickel		< MDL	mg/L	U	03/13/2006 10:46			WWC
Lead		< MDL	mg/L	U	03/13/2006 10:46			WWC
Copper		< MDL	mg/L	U	03/13/2006 10:46			WWC
Chromium		0.002	mg/L	I	03/13/2006 10:46			WWC
Cadmium		< MDL	mg/L	U	03/13/2006 10:46			WWC
Beryllium		< MDL	mg/L	U	03/13/2006 10:46			WWC
Barium		0.040	mg/L		03/13/2006 10:46			WWC
Vanadium		0.008	mg/L		03/13/2006 10:46			WWC
LCS Result for Metals by 200.7								
Vanadium		0.982	mg/L		03/13/2006 10:40			WWC
Lead		0.996	mg/L		03/13/2006 10:40			WWC
Sodium		43.9	mg/L		03/13/2006 10:40			WWC
Silver		0.242	mg/L		03/13/2006 10:40			WWC
Nickel		0.970	mg/L		03/13/2006 10:40			WWC
Iron		4.95	mg/L		03/13/2006 10:40			WWC
Cobalt		0.966	mg/L		03/13/2006 10:40			WWC
Chromium		0.958	mg/L		03/13/2006 10:40			WWC
Cadmium		0.983	mg/L		03/13/2006 10:40			WWC
Beryllium		0.249	mg/L		03/13/2006 10:40			WWC
Barium		0.486	mg/L		03/13/2006 10:40			WWC
Zinc		0.983	mg/L		03/13/2006 10:40			WWC
Arsenic		0.982	mg/L		03/13/2006 10:40			WWC
Copper		0.976	mg/L		03/13/2006 10:40			WWC
LCS Recovery for Metals by 200.7								
Cobalt		96.6	%		03/16/2006 13:26			WWC
Arsenic		98.2	%		03/16/2006 13:26			WWC
Barium		97.2	%		03/16/2006 13:26			WWC
Beryllium		99.6	%		03/16/2006 13:26			WWC
Zinc		98.3	%		03/16/2006 13:26			WWC
Vanadium		98.2	%		03/16/2006 13:26			WWC
Sodium		87.8	%		03/16/2006 13:26			WWC
Silver		96.8	%		03/16/2006 13:26			WWC
Nickel		97.0	%		03/16/2006 13:26			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6019		**QA Sample ID AE09995**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09995 AE09996								
LCS Recovery for Metals by 200.7								
Lead		99.6	%		03/16/2006 13:26			WWC
Iron		99.0	%		03/16/2006 13:26			WWC
Cadmium		98.3	%		03/16/2006 13:26			WWC
Copper		97.6	%		03/16/2006 13:26			WWC
Chromium		95.8	%		03/16/2006 13:26			WWC
Samp Dup Precision for Metals by 200.7								
Barium		0.00	%		03/13/2006 10:46			WWC
Beryllium		0.00	%		03/13/2006 10:46			WWC
Cadmium		0.00	%		03/13/2006 10:46			WWC
Chromium		NO RESULT	%		03/13/2006 10:46			WWC
Cobalt		0.00	%		03/13/2006 10:46			WWC
Copper		0.00	%		03/13/2006 10:46			WWC
Iron		1.65	%		03/13/2006 10:46			WWC
Lead		0.00	%		03/13/2006 10:46			WWC
Nickel		0.00	%		03/13/2006 10:46			WWC
Silver		0.00	%		03/13/2006 10:46			WWC
Sodium		1.37	%		03/13/2006 10:46			WWC
Vanadium		0.00	%		03/13/2006 10:46			WWC
Zinc		NO RESULT	%		03/13/2006 10:46			WWC
Arsenic		16.7	%		03/13/2006 10:46			WWC
MS Recovery for Metals by 200.7								
Cadmium		98.0	%		03/16/2006 13:26			WWC
Beryllium		98.8	%		03/16/2006 13:26			WWC
Zinc		95.4	%		03/16/2006 13:26			WWC
Vanadium		98.4	%		03/16/2006 13:26			WWC
Sodium		84.4	%		03/16/2006 13:26			WWC
Silver		97.2	%		03/16/2006 13:26			WWC
Nickel		97.3	%		03/16/2006 13:26			WWC
Molybdenum		NO RESULT	%		03/16/2006 13:26			WWC
Lead		97.5	%		03/16/2006 13:26			WWC
Iron		108	%		03/16/2006 13:26			WWC
Copper		98.4	%		03/16/2006 13:26			WWC
Cobalt		96.1	%		03/16/2006 13:26			WWC
Barium		97.0	%		03/16/2006 13:26			WWC
Chromium		95.3	%		03/16/2006 13:26			WWC
Arsenic		97.8	%		03/16/2006 13:26			WWC
MS Result for Metals by 200.7								

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6019		**QA Sample ID AE09995**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09995 AE09996								
MS Result for Metals by 200.7								
Barium		0.525	mg/L		03/13/2006 11:09			WWC
Beryllium		0.247	mg/L		03/13/2006 11:09			WWC
Cadmium		0.980	mg/L		03/13/2006 11:09			WWC
Cobalt		0.961	mg/L		03/13/2006 11:09			WWC
Iron		23.4	mg/L		03/13/2006 11:09			WWC
Lead		0.975	mg/L		03/13/2006 11:09			WWC
Nickel		0.973	mg/L		03/13/2006 11:09			WWC
Silver		0.243	mg/L		03/13/2006 11:09			WWC
Sodium		100	mg/L		03/13/2006 11:09			WWC
Vanadium		0.9922	mg/L		03/13/2006 11:09			WWC
Zinc		0.970	mg/L		03/13/2006 11:09			WWC
Chromium		0.954	mg/L		03/13/2006 11:09			WWC
Arsenic		0.989	mg/L		03/13/2006 11:09			WWC
Copper		0.984	mg/L		03/13/2006 11:09			WWC
MSD Result for Metals by 200.7								
Cobalt		0.960	mg/L		03/13/2006 11:15			WWC
Chromium		0.953	mg/L		03/13/2006 11:15			WWC
Cadmium		0.978	mg/L		03/13/2006 11:15			WWC
Beryllium		0.247	mg/L		03/13/2006 11:15			WWC
Nickel		0.970	mg/L		03/13/2006 11:15			WWC
Arsenic		0.988	mg/L		03/13/2006 11:15			WWC
Copper		0.980	mg/L		03/13/2006 11:15			WWC
Zinc		0.967	mg/L		03/13/2006 11:15			WWC
Vanadium		0.988	mg/L		03/13/2006 11:15			WWC
Sodium		103	mg/L		03/13/2006 11:15			WWC
Silver		0.242	mg/L		03/13/2006 11:15			WWC
Lead		0.987	mg/L		03/13/2006 11:15			WWC
Iron		23.4	mg/L		03/13/2006 11:15			WWC
Barium		0.526	mg/L		03/13/2006 11:15			WWC
MS/MSD Precision for Metals by 200.7								
Lead		1.22	%		03/13/2006 11:09			WWC
Zinc		0.310	%		03/13/2006 11:09			WWC
Vanadium		0.404	%		03/13/2006 11:09			WWC
Sodium		2.96	%		03/13/2006 11:09			WWC
Beryllium		0.00	%		03/13/2006 11:09			WWC
Arsenic		0.101	%		03/13/2006 11:09			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6019		**QA Sample ID AE09995**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09995 AE09996								
MS/MSD Precision for Metals by 200.7								
Silver		0.412	%		03/13/2006 11:09			WWC
Barium		0.190	%		03/13/2006 11:09			WWC
Nickel		0.309	%		03/13/2006 11:09			WWC
Cadmium		0.204	%		03/13/2006 11:09			WWC
Chromium		0.105	%		03/13/2006 11:09			WWC
Cobalt		0.104	%		03/13/2006 11:09			WWC
Copper		0.407	%		03/13/2006 11:09			WWC
Iron		1.29	%		03/13/2006 11:09			WWC
Batch Name $ICPWATER-6020		**QA Sample ID AE09969**						
Samples AE09969 AE09988 AE09989 AE09990 AE09991 AE09992 AE09993 AE09994								
Continuing Cal. Blank for Metals by 200.								
Vanadium		< MDL	mg/L	U	03/13/2006 14:24			WWC
Sodium		< MDL	mg/L	U	03/13/2006 14:24			WWC
Silver		< MDL	mg/L	U	03/13/2006 14:24			WWC
Nickel		< MDL	mg/L	U	03/13/2006 14:24			WWC
Lead		< MDL	mg/L	U	03/13/2006 14:24			WWC
Cobalt		< MDL	mg/L	U	03/13/2006 14:24			WWC
Zinc		< MDL	mg/L	U	03/13/2006 14:24			WWC
Chromium		< MDL	mg/L	U	03/13/2006 14:24			WWC
Cadmium		< MDL	mg/L	U	03/13/2006 14:24			WWC
Beryllium		< MDL	mg/L	U	03/13/2006 14:24			WWC
Barium		< MDL	mg/L	U	03/13/2006 14:24			WWC
Arsenic		< MDL	mg/L	U	03/13/2006 14:24			WWC
Iron		< MDL	mg/L	U	03/13/2006 14:24			WWC
Copper		< MDL	mg/L	U	03/13/2006 14:24			WWC
Continuous Calibration for Metals by 200								
Copper		1.94	mg/L		03/13/2006 14:18			WWC
Arsenic		1.85	mg/L		03/13/2006 14:18			WWC
Barium		0.943	mg/L		03/13/2006 14:18			WWC
Beryllium		0.482	mg/L		03/13/2006 14:18			WWC
Cadmium		1.98	mg/L		03/13/2006 14:18			WWC
Cobalt		1.97	mg/L		03/13/2006 14:18			WWC
Iron		9.76	mg/L		03/13/2006 14:18			WWC
Lead		1.96	mg/L		03/13/2006 14:18			WWC
Silver		0.485	mg/L		03/13/2006 14:18			WWC
Sodium		90.7	mg/L		03/13/2006 14:18			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6020		**QA Sample ID AE09969**						
Samples AE09969 AE09988 AE09989 AE09990 AE09991 AE09992 AE09993 AE09994								
Continuous Calibration for Metals by 200								
Vanadium		1.94	mg/L		03/13/2006 14:18			WWC
nc		1.91	mg/L		03/13/2006 14:18			WWC
Nickel		1.97	mg/L		03/13/2006 14:18			WWC
hromium		1.92	mg/L		03/13/2006 14:18			WWC
Cont Calb Rec for Metals by 200.7								
Chromium		96.0	%		03/16/2006 13:48			WWC
nc		95.5	%		03/16/2006 13:48			WWC
Vanadium		97.0	%		03/16/2006 13:48			WWC
dium		90.7	%		03/16/2006 13:48			WWC
ver		97.0	%		03/16/2006 13:48			WWC
ickel		98.5	%		03/16/2006 13:48			WWC
ad		98.0	%		03/16/2006 13:48			WWC
Iron		97.6	%		03/16/2006 13:48			WWC
bbalt		98.5	%		03/16/2006 13:48			WWC
Cadmium		99.0	%		03/16/2006 13:48			WWC
senic		92.5	%		03/16/2006 13:48			WWC
arium		94.3	%		03/16/2006 13:48			WWC
eryllium		96.4	%		03/16/2006 13:48			WWC
pper		97.0	%		03/16/2006 13:48			WWC
Sample Dup for Metals by 200.7								
dmium		< MDL	mg/L	U	03/13/2006 12:51			WWC
Lead		< MDL	mg/L	U	03/13/2006 12:51			WWC
nc		0.016	mg/L	I	03/13/2006 12:51			WWC
nadium		0.026	mg/L		03/13/2006 12:51			WWC
odium		5.43	mg/L		03/13/2006 12:51			WWC
rium		0.006	mg/L		03/13/2006 12:51			WWC
Nickel		< MDL	mg/L	U	03/13/2006 12:51			WWC
n		3.85	mg/L		03/13/2006 12:51			WWC
Copper		< MDL	mg/L	U	03/13/2006 12:51			WWC
bbalt		< MDL	mg/L	U	03/13/2006 12:51			WWC
hromium		0.006	mg/L		03/13/2006 12:51			WWC
eryllium		< MDL	mg/L	U	03/13/2006 12:51			WWC
senic		< MDL	mg/L	U	03/13/2006 12:51			WWC
Silver		< MDL	mg/L	U	03/13/2006 12:51			WWC
etals by 200.7								
Silver		< MDL	mg/L	U	03/13/2006 12:45			WWC
nadium		0.026	mg/L		03/13/2006 12:45			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6020		**QA Sample ID AE09969**						
Samples AE09969 AE09988 AE09989 AE09990 AE09991 AE09992 AE09993 AE09994								
Metals by 200.7								
Barium		0.005	mg/L		03/13/2006 12:45			WWC
Beryllium		< MDL	mg/L	U	03/13/2006 12:45			WWC
Cadmium		< MDL	mg/L	U	03/13/2006 12:45			WWC
Chromium		0.006	mg/L		03/13/2006 12:45			WWC
Cobalt		< MDL	mg/L	U	03/13/2006 12:45			WWC
Arsenic		< MDL	mg/L	U	03/13/2006 12:45			WWC
Copper		< MDL	mg/L	U	03/13/2006 12:45			WWC
Iron		3.75	mg/L		03/13/2006 12:45			WWC
Nickel		< MDL	mg/L	U	03/13/2006 12:45			WWC
Sodium		5.37	mg/L		03/13/2006 12:45			WWC
Zinc		0.013	mg/L	I	03/13/2006 12:45			WWC
Lead		< MDL	mg/L	U	03/13/2006 12:45			WWC
Samp Dup Precision for Metals by 200.7								
Lead		0.00	%		03/13/2006 12:45			WWC
Zinc		no result	%		03/13/2006 12:45			WWC
Vanadium		0.00	%		03/13/2006 12:45			WWC
Sodium		1.11	%		03/13/2006 12:45			WWC
Nickel		0.00	%		03/13/2006 12:45			WWC
Beryllium		0.00	%		03/13/2006 12:45			WWC
Iron		2.63	%		03/13/2006 12:45			WWC
Copper		0.00	%		03/13/2006 12:45			WWC
Cobalt		0.00	%		03/13/2006 12:45			WWC
Chromium		0.00	%		03/13/2006 12:45			WWC
Cadmium		0.00	%		03/13/2006 12:45			WWC
Arsenic		0.00	%		03/13/2006 12:45			WWC
Barium		18.2	%		03/13/2006 12:45			WWC
Silver		0.00	%		03/13/2006 12:45			WWC
MS Recovery for Metals by 200.7								
Lead		98.5	%		03/16/2006 13:48			WWC
Arsenic		96.8	%		03/16/2006 13:48			WWC
Zinc		97.1	%		03/16/2006 13:48			WWC
Vanadium		97.4	%		03/16/2006 13:48			WWC
Sodium		88.1	%		03/16/2006 13:48			WWC
Silver		96.8	%		03/16/2006 13:48			WWC
Nickel		96.2	%		03/16/2006 13:48			WWC
Copper		97.6	%		03/16/2006 13:48			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6020		QA Sample ID AE09969						
Samples AE09969 AE09988 AE09989 AE09990 AE09991 AE09992 AE09993 AE09994								
MS Recovery for Metals by 200.7								
Cobalt		96.3	%		03/16/2006 13:48			WWC
Chromium		95.3	%		03/16/2006 13:48			WWC
Cadmium		98.0	%		03/16/2006 13:48			WWC
Barium		95.4	%		03/16/2006 13:48			WWC
Zn		98.4	%		03/16/2006 13:48			WWC
Beryllium		98.4	%		03/16/2006 13:48			WWC
MS Result for Metals by 200.7								
Nickel		0.962	mg/L		03/13/2006 12:56			WWC
Arsenic		0.978	mg/L		03/13/2006 12:56			WWC
Barium		0.482	mg/L		03/13/2006 12:56			WWC
Beryllium		0.246	mg/L		03/13/2006 12:56			WWC
Cadmium		0.980	mg/L		03/13/2006 12:56			WWC
Chromium		0.959	mg/L		03/13/2006 12:56			WWC
Cobalt		0.963	mg/L		03/13/2006 12:56			WWC
Copper		0.976	mg/L		03/13/2006 12:56			WWC
Lead		0.985	mg/L		03/13/2006 12:56			WWC
Silver		0.242	mg/L		03/13/2006 12:56			WWC
Sodium		49.4	mg/L		03/13/2006 12:56			WWC
Vanadium		1.00	mg/L		03/13/2006 12:56			WWC
Zinc		0.984	mg/L		03/13/2006 12:56			WWC
Fe		8.67	mg/L		03/13/2006 12:56			WWC
MSD Result for Metals by 200.7								
Nickel		0.954	mg/L		03/13/2006 13:02			WWC
Silver		0.239	mg/L		03/13/2006 13:02			WWC
Iron		8.78	mg/L		03/13/2006 13:02			WWC
Vanadium		0.993	mg/L		03/13/2006 13:02			WWC
Sodium		49.2	mg/L		03/13/2006 13:02			WWC
Zinc		0.969	mg/L		03/13/2006 13:02			WWC
Lead		0.979	mg/L		03/13/2006 13:02			WWC
Copper		0.968	mg/L		03/13/2006 13:02			WWC
Cobalt		0.955	mg/L		03/13/2006 13:02			WWC
Chromium		0.949	mg/L		03/13/2006 13:02			WWC
Cadmium		0.968	mg/L		03/13/2006 13:02			WWC
Beryllium		0.245	mg/L		03/13/2006 13:02			WWC
Barium		0.487	mg/L		03/13/2006 13:02			WWC
Arsenic		0.971	mg/L		03/13/2006 13:02			WWC
MS/MSD Precision for Metals by 200.7								

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6020		**QA Sample ID AE09969**						
Samples AE09969 AE09988 AE09989 AE09990 AE09991 AE09992 AE09993 AE09994								
MS/MSD Precision for Metals by 200.7								
Iron		1.26	%		03/13/2006 12:56			WWC
Vanadium		0.702	%		03/13/2006 12:56			WWC
Sodium		0.406	%		03/13/2006 12:56			WWC
Silver		1.25	%		03/13/2006 12:56			WWC
Nickel		0.835	%		03/13/2006 12:56			WWC
Lead		0.611	%		03/13/2006 12:56			WWC
Zinc		1.54	%		03/13/2006 12:56			WWC
Copper		0.823	%		03/13/2006 12:56			WWC
Cobalt		0.834	%		03/13/2006 12:56			WWC
Chromium		1.05	%		03/13/2006 12:56			WWC
Cadmium		1.23	%		03/13/2006 12:56			WWC
Beryllium		0.407	%		03/13/2006 12:56			WWC
Arsenic		0.718	%		03/13/2006 12:56			WWC
Barium		1.03	%		03/13/2006 12:56			WWC
Batch Name AMM-5900		**QA Sample ID AE09959**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968								
Ammonia		0.047	mg/L	I	02/28/2006 10:07			EMM
Continuing Cal. Blank for Ammonia		<MDL	mg/L	U	02/28/2006 10:20			EMM
Continuous Calibration for Ammonia		2.98	mg/L		02/28/2006 10:19			EMM
Cont Calb Rec for Ammonia		99.3	%		02/28/2006 10:19			EMM
Sample Dup for Ammonia		0.047	mg/L	I	02/28/2006 10:08			EMM
Samp Dup Precision for Ammonia		0.00	%		02/28/2006 10:07			EMM
Batch Name AMM-5900A		**QA Sample ID AE09960**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968								
Amt Spiked for Ammonia		0.500	mg/L		02/28/2006 10:10			EMM
Ammonia		0.067	mg/L		02/28/2006 10:09			EMM
MS Recovery for Ammonia		93.2	%		02/28/2006 10:09			EMM
MS Result for Ammonia		0.533	mg/L		02/28/2006 10:10			EMM
Batch Name AMM-5902		**QA Sample ID AE09863**						
Samples AE09969								
Ammonia		27.4	mg/L		02/28/2006 10:22			EMM
Continuing Cal. Blank for Ammonia		<MDL	mg/L	U	02/28/2006 10:35			EMM
Continuous Calibration for Ammonia		2.99	mg/L		02/28/2006 10:34			EMM
Cont Calb Rec for Ammonia		99.7	%		02/28/2006 10:34			EMM
Sample Dup for Ammonia		27.3	mg/L		02/28/2006 10:23			EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name AMM-5902		**QA Sample ID**	**AE09863**					
Samples AE09969								
amp Dup Precision for Ammonia		0.366	%		02/28/2006 10:22			EMM
Batch Name AMM-5902A		**QA Sample ID**	**AE09969**					
Samples AE09969								
Amt Spiked for Ammonia		0.500	mg/L		02/28/2006 10:33			EMM
mmonia		1.65	mg/L		02/28/2006 10:32			EMM
MS Recovery for Ammonia		104	%		02/28/2006 10:32			EMM
S Result for Ammonia		2.17	mg/L		02/28/2006 10:33			EMM
Batch Name AMM-5993		**QA Sample ID**	**AE10002**					
Samples AE09988 AE09989 AE09990 AE09991 AE09992 AE09994								
mmonia		38.2	mg/L		03/07/2006 12:59			REED
Method Blank for Ammonia		<MDL	mg/L	U	03/07/2006 12:57			IR
ntinuing Cal. Blank for Ammonia		<MDL	mg/L	U	03/07/2006 13:13			IR
Continuous Calibration for Ammonia		2.77	mg/L		03/07/2006 13:12			IR
nt Calb Rec for Ammonia		92.3	%		03/07/2006 12:58			IR
Sample Dup for Ammonia		38.4	mg/L		03/07/2006 13:00			REED
tial Calibration for Ammonia		1.01	mg/L		03/07/2006 12:58			IR
Calb Rec for Ammonia		101	%		03/07/2006 12:58			IR
Samp Dup Precision for Ammonia		0.522	%		03/07/2006 12:59			REED
Batch Name AMM-5993A		**QA Sample ID**	**AE10087**					
Samples AE09988 AE09989 AE09990 AE09991 AE09992 AE09994								
nt Spiked for Ammonia		0.500	mg/L		03/07/2006 13:02			REED
Ammonia		0.095	mg/L		03/07/2006 13:01			REED
S Recovery for Ammonia		106	%		03/07/2006 13:01			REED
MS Result for Ammonia		0.624	mg/L		03/07/2006 13:02			REED
Batch Name AMM-5995		**QA Sample ID**	**AE10089**					
Samples AE09995 AE09996								
mmonia		33.8	mg/L		03/07/2006 13:14			REED
ntinuing Cal. Blank for Ammonia		<MDL	mg/L	U	03/07/2006 13:28			IR
Continuous Calibration for Ammonia		2.89	mg/L		03/07/2006 13:27			IR
nt Calb Rec for Ammonia		96.3	%		03/07/2006 13:27			IR
Sample Dup for Ammonia		33.4	mg/L		03/07/2006 13:15			REED
mp Dup Precision for Ammonia		1.19	%		03/07/2006 13:14			REED
Batch Name AMM-5995A		**QA Sample ID**	**AE09995**					
Samples AE09995 AE09996								
Amt Spiked for Ammonia		0.500	mg/L		03/07/2006 13:17			REED

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name AMM-5995A		**QA Sample ID**	**AE09995**					
Samples AE09995 AE09996								
mmonia		0.980	mg/L		03/07/2006 13:16			REED
MS Recovery for Ammonia		94.0	%		03/07/2006 13:16			REED
S Result for Ammonia		1.45	mg/L		03/07/2006 13:17			REED
Batch Name AMM-5997		**QA Sample ID**	**AE10099**					
Samples AE09993								
Ammonia		29.0	mg/L		03/07/2006 13:29			REED
ontinuing Cal. Blank for Ammonia		<MDL	mg/L	U	03/07/2006 13:39			IR
ontinuous Calibration for Ammonia		2.94	mg/L		03/07/2006 13:38			IR
Cont Calb Rec for Ammonia		98.0	%		03/07/2006 13:38			IR
ample Dup for Ammonia		28.9	mg/L		03/07/2006 13:30			REED
Samp Dup Precision for Ammonia		0.345	%		03/07/2006 13:29			REED
Batch Name AMM-5997A		**QA Sample ID**	**AE10090**					
Samples AE09993								
nt Spiked for Ammonia		0.500	mg/L		03/07/2006 13:32			REED
Ammonia		0.199	mg/L		03/07/2006 13:31			REED
S Recovery for Ammonia		102	%		03/07/2006 13:31			REED
S Result for Ammonia		0.711	mg/L		03/07/2006 13:32			REED
Batch Name CLIC-5957		**QA Sample ID**	**AE09898**					
Samples AE09961 AE09962 AE09996								
Amt Spiked for Chloride		80.0	mg/L		03/02/2006 14:10			EMM
ethod Blank for Chloride		<MDL	mg/L	U	03/02/2006 13:24			EMM
Cont. Blank for Chloride		<MDL	mg/L	U	03/02/2006 16:14			EMM
ont. Cal. for Chloride		201	mg/L		03/02/2006 16:03			EMM
Cont Calb Rec for Chloride		100	%		03/02/2006 16:03			EMM
hloride by Ion Chromatography		82.8	mg/L		03/02/2006 13:47			EMM
ample Dup for Chloride		82.7	mg/L		03/02/2006 13:58			EMM
Init. CaL. for Chloride		30.4	mg/L		03/02/2006 13:36			EMM
Calb Conc for Chloride		29.7	mg/L		03/02/2006 13:36			EMM
Int Calb Rec for Chloride		102	%		03/02/2006 13:36			EMM
amp Dup Prec for Chloride		0.121	%		03/02/2006 13:58			EMM
MS Recovery for Chloride		96.5	%		03/02/2006 14:10			EMM
S Result for Chloride		160	mg/L		03/02/2006 14:10			EMM
Batch Name CLIC-5958		**QA Sample ID**	**AE09941**					
Samples AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09969 AE09988 AE09989								
mt Spiked for Chloride		80.0	mg/L		03/02/2006 16:48			EMM
Cont. Blank for Chloride		<MDL	mg/L	U	03/02/2006 18:53			EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name CLIC-5958		**QA Sample ID**	**AE09941**					
Samples AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09969 AE09988 AE09989								
ont. Cal. for Chloride		200	mg/L		03/02/2006 18:42			EMM
Cont Calb Rec for Chloride		100	%		03/02/2006 18:42			EMM
hloride by Ion Chromatography		79.0	mg/L		03/02/2006 16:26			EMM
Sample Dup for Chloride		78.8	mg/L		03/02/2006 16:37			EMM
amp Dup Prec for Chloride		0.253	%		03/02/2006 16:37			EMM
S Recovery for Chloride		98.8	%		03/02/2006 16:48			EMM
MS Result for Chloride		158	mg/L		03/02/2006 16:48			EMM
Batch Name CLIC-5959		**QA Sample ID**	**AE09993**					
Samples AE09990 AE09991 AE09992 AE09993 AE09995								
nt Spiked for Chloride		40.0	mg/L		03/02/2006 19:27			EMM
Cont. Blank for Chloride		<MDL	mg/L	U	03/02/2006 21:32			EMM
ont. Cal. for Chloride		199	mg/L		03/02/2006 21:20			EMM
Cont Calb Rec for Chloride		99.5	%		03/02/2006 21:20			EMM
hloride by Ion Chromatography		32.0	mg/L		03/02/2006 19:04			EMM
ample Dup for Chloride		32.3	mg/L		03/02/2006 19:16			EMM
Samp Dup Prec for Chloride		0.933	%		03/02/2006 19:16			EMM
S Recovery for Chloride		98.8	%		03/02/2006 19:27			EMM
MS Result for Chloride		71.5	mg/L		03/02/2006 19:27			EMM
Batch Name CLIC-5960		**QA Sample ID**	**AE10016**					
Samples AE09994								
nt Spiked for Chloride		80.0	mg/L		03/03/2006 12:13			EMM
Method Blank for Chloride		<MDL	mg/L	U	03/03/2006 11:28			EMM
ont. Blank for Chloride		<MDL	mg/L	U	03/03/2006 13:33			EMM
ont. Cal. for Chloride		197	mg/L		03/03/2006 13:22			EMM
Cont Calb Rec for Chloride		98.5	%		03/03/2006 13:22			EMM
hloride by Ion Chromatography		94.7	mg/L		03/03/2006 11:51			EMM
Sample Dup for Chloride		94.1	mg/L		03/03/2006 12:02			EMM
t. CaL. for Chloride		30.5	mg/L		03/03/2006 11:39			EMM
Int Calb Conc for Chloride		29.7	mg/L		03/03/2006 11:39			EMM
Calb Rec for Chloride		103	%		03/03/2006 11:39			EMM
amp Dup Prec for Chloride		0.636	%		03/03/2006 12:02			EMM
MS Recovery for Chloride		96.6	%		03/03/2006 12:13			EMM
S Result for Chloride		172	mg/L		03/03/2006 12:13			EMM
Batch Name HG-6113		**QA Sample ID**	**AE09996**					
Samples AE09961 AE09962 AE09963 AE09964 AE09996								
Method Blank for Mercury Cold Vapor		< MDL	ug/L	U	03/21/2006 11:00			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name HG-6113		**QA Sample ID AE09996**						
Samples AE09961 AE09962 AE09963 AE09964 AE09996								
ontinuing Cal. Blank for Mercury Cold V		< MDL	ug/L	U	03/21/2006 11:37			WWC
Continuous Calibration for Mercury Cold		5.04	ug/L		03/21/2006 11:35			WWC
ont Calb Rec for Mercury Cold Vapor		101	%		03/21/2006 11:35			WWC
Sample Dup for Mercury Cold Vapor		< MDL	ug/L	U	03/21/2006 11:05			WWC
ercury Cold Vapor		< MDL	ug/L	U	03/21/2006 11:03			WWC
itial Calibration for Mercury Cold Vap		2.61	ug/L		03/21/2006 10:58			WWC
Int Calb Rec for Mercury Cold Vapor		104	%		03/21/2006 10:58			WWC
mp Dup Precision for Mercury Cold Vapo		Passed	%		03/21/2006 11:05			WWC
MS Recovery for Mercury Cold Vapor		102	%		03/21/2006 11:03			WWC
S Result for Mercury Cold Vapor		1.02	ug/L		03/21/2006 11:08			WWC
MSD Result for Mercury Cold Vapor		1.02	ug/L		03/21/2006 11:10			WWC
S/MSD Precision for Mercury Cold Vapor		0.00	%		03/21/2006 11:08			WWC
Batch Name HG-6114		**QA Sample ID AE09965**						
Samples AE09965 AE09966 AE09967 AE09968 AE09969 AE09988 AE09989 AE09990 AE09991 AE09992								
ontinuing Cal. Blank for Mercury Cold V		< MDL	ug/L	U	03/21/2006 12:14			WWC
Continuous Calibration for Mercury Cold		4.75	ug/L		03/21/2006 12:11			WWC
nt Calb Rec for Mercury Cold Vapor		95.0	%		03/21/2006 12:11			WWC
Sample Dup for Mercury Cold Vapor		< MDL	ug/L	U	03/21/2006 11:42			WWC
ercury Cold Vapor		< MDL	ug/L	U	03/21/2006 11:40			WWC
Samp Dup Precision for Mercury Cold Vapo		Passed	%		03/21/2006 11:05			WWC
S Recovery for Mercury Cold Vapor		107	%		03/21/2006 11:45			WWC
MS Result for Mercury Cold Vapor		1.07	ug/L		03/21/2006 11:45			WWC
MSD Result for Mercury Cold Vapor		1.07	ug/L		03/21/2006 11:47			WWC
S/MSD Precision for Mercury Cold Vapor		0.00	%		03/21/2006 11:47			WWC
Batch Name HG-6115		**QA Sample ID AE09993**						
Samples AE09993 AE09994 AE09995								
Continuing Cal. Blank for Mercury Cold V		< MDL	ug/L	U	03/21/2006 12:19			WWC
ntinuous Calibration for Mercury Cold		4.97	ug/L		03/21/2006 12:48			WWC
Cont Calb Rec for Mercury Cold Vapor		99.4	%		03/21/2006 12:48			WWC
mple Dup for Mercury Cold Vapor		< MDL	ug/L	U	03/21/2006 12:19			WWC
ercury Cold Vapor		< MDL	ug/L	U	03/21/2006 12:16			WWC
Samp Dup Precision for Mercury Cold Vapo		Passed	%		03/21/2006 12:19			WWC
S Recovery for Mercury Cold Vapor		102	%		03/21/2006 12:16			WWC
MS Result for Mercury Cold Vapor		1.02	ug/L		03/21/2006 12:21			WWC
D Result for Mercury Cold Vapor		1.02	ug/L		03/21/2006 12:24			WWC
MS/MSD Precision for Mercury Cold Vapor		0.00	%		03/21/2006 12:21			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name NO3IC-5906		**QA Sample ID AE09943**						
Samples AE09961								
Method Blank for Nitrate		<MDL	mg/L	U	02/28/2006 08:04			IR
Cont. Blank for Nitrate		<MDL	mg/L	U	02/28/2006 11:24			IR
Cont. Cal. for Nitrate		10.0	mg/L		02/28/2006 11:12			IR
Cont Calb Rec for Nitrate		100	%		02/28/2006 11:12			IR
Sample Dup for Nitrate		4.79	mg/L		02/28/2006 08:54			IR
Int. Cal. for Nitrate		23.0	mg/L		02/28/2006 08:17			IR
Int Calb Conc for Nitrate		22.8	mg/L		02/28/2006 08:17			IR
Int Calb Rec for Nitrate		101	%		02/28/2006 08:17			IR
Nitrate as N by Ion Chromatography		4.79	mg/L		02/28/2006 08:42			IR
Samp Dup Prec. for Nitrate		0.00	%		02/28/2006 08:54			IR
MS Recovery for Nitrate		104	%		02/28/2006 09:07			IR
MS Result for Nitrate		5.83	mg/L		02/28/2006 09:07			IR
Batch Name NO3IC-5913		**QA Sample ID AE09985**						
Samples AE09962 AE09963 AE09964 AE09965 AE09966 AE09967 AE09968 AE09969								
Cont. Blank for Nitrate		<MDL	mg/L	U	02/28/2006 14:19			IR
Cont. Cal. for Nitrate		9.95	mg/L		02/28/2006 14:06			IR
Cont Calb Rec for Nitrate		99.5	%		02/28/2006 14:06			IR
Sample Dup for Nitrate		4.20	mg/L		02/28/2006 11:49			IR
Nitrate as N by Ion Chromatography		4.21	mg/L		02/28/2006 11:37			IR
Samp Dup Prec. for Nitrate		0.238	%		02/28/2006 11:49			IR
MS Recovery for Nitrate		104	%		02/28/2006 12:02			IR
MS Result for Nitrate		5.25	mg/L		02/28/2006 12:02			IR
Batch Name NO3IC-5915		**QA Sample ID AE09982**						
Samples AE09988 AE09989 AE09990 AE09991 AE09992 AE09993 AE09994 AE09995								
Cont. Blank for Nitrate		<MDL	mg/L	U	02/28/2006 17:14			IR
Cont. Cal. for Nitrate		9.93	mg/L		02/28/2006 17:01			IR
Cont Calb Rec for Nitrate		99.3	%		02/28/2006 17:01			IR
Sample Dup for Nitrate		5.80	mg/L		02/28/2006 14:44			IR
Nitrate as N by Ion Chromatography		5.77	mg/L		02/28/2006 14:31			IR
Samp Dup Prec. for Nitrate		0.518	%		02/28/2006 14:44			IR
MS Recovery for Nitrate		99.0	%		02/28/2006 14:56			IR
MS Result for Nitrate		6.76	mg/L		02/28/2006 14:56			IR
Batch Name NO3IC-5921		**QA Sample ID AE09996**						
Samples AE09996								
Cont. Blank for Nitrate		<MDL	mg/L	U	02/28/2006 18:16			IR
Cont. Cal. for Nitrate		9.95	mg/L		02/28/2006 18:03			IR

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name NO3IC-5921		**QA Sample ID**	**AE09996**					
Samples AE09996								
nt Calb Rec for Nitrate		99.5	%		02/28/2006 18:03		IR	
Sample Dup for Nitrate		<MDL	mg/L	U	02/28/2006 17:39		IR	
rate as N by Ion Chromatography		<MDL	mg/L	U	02/28/2006 17:26		IR	
Samp Dup Prec. for Nitrate		ACCEPTABLE	%		02/28/2006 17:39		IR	
S Recovery for Nitrate		99.8	%		02/28/2006 17:51		IR	
S Result for Nitrate		0.998	mg/L		02/28/2006 17:51		IR	
Batch Name SBAA-5933		**QA Sample ID**	**AE09996**					
Samples AE09961 AE09962 AE09963 AE09964 AE09996								
Method Blank for Antimony by GFAAS		< MDL	mg/L	U	03/10/2006 10:31		WC	
ntinuing Cal. Blank for Antimony by GF		< MDL	mg/L	U	03/10/2006 12:36		WC	
Continuous Calibration for Antimony by G		0.076	mg/L		03/10/2006 12:28		WC	
nt Calb Rec for Antimony by GFAAS		101	%		03/10/2006 12:28		WC	
Sample Dup for Antimony by GFAAS		< MDL	mg/L	U	03/10/2006 10:55		WC	
tial Calibration for Antimony by GFAA		0.049	mg/L		03/10/2006 10:39		WC	
nt Calb Rec for Antimony by GFAAS		98.0	%		03/10/2006 10:39		WC	
amp Dup Precision for Antimony by GFAAS		Passed	%		03/14/2006 11:02		WWC	
S Recovery for Antimony by GFAAS		93.0	%		03/10/2006 10:47		WC	
MS Result for Antimony by GFAAS		0.048	mg/L		03/10/2006 11:02		WC	
timony by GFAAS		0.0015	mg/L	I	03/10/2006 10:47		WC	
MSD Result for Antimony by GFAAS		0.048	mg/L		03/10/2006 11:10		WC	
S/MSD Precision for Antimony by GFAAS		0.00	mg/L		03/10/2006 11:02		WC	
Batch Name SBAA-5934		**QA Sample ID**	**AE09965**					
Samples AE09965 AE09966 AE09967 AE09968 AE09969 AE09988 AE09989 AE09990 AE09991 AE09992								
Continuing Cal. Blank for Antimony by GF		< MDL	mg/L		03/10/2006 14:32		WC	
Continuous Calibration for Antimony by G		0.078	mg/L		03/10/2006 14:24		WC	
nt Calb Rec for Antimony by GFAAS		104	%		03/10/2006 14:24		WC	
Sample Dup for Antimony by GFAAS		< MDL	mg/L	U	03/10/2006 12:52		WC	
mp Dup Precision for Antimony by GFAAS		Passed	%		03/14/2006 12:59		WWC	
MS Recovery for Antimony by GFAAS		99.0	%		03/10/2006 12:44		WC	
S Result for Antimony by GFAAS		0.051	mg/L		03/10/2006 12:59		WC	
Antimony by GFAAS		0.0015	mg/L	I	03/10/2006 12:44		WC	
MSD Result for Antimony by GFAAS		0.051	mg/L		03/10/2006 13:07		WC	
S/MSD Precision for Antimony by GFAAS		0.00	mg/L		03/10/2006 12:59		WC	
Batch Name SBAA-5935		**QA Sample ID**	**AE09993**					
Samples AE09993 AE09994 AE09995								
Method Blank for Antimony by GFAAS		< MDL	mg/L	U	03/22/2006 10:59		WWC	

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SBAA-5935		**QA Sample ID AE09993**						
Samples AE09993 AE09994 AE09995								
ontinuing Cal. Blank for Antimony by GF		< MDL	mg/L	U	03/22/2006 12:33			WWC
Continuous Calibration for Antimony by G		0.073	mg/L		03/22/2006 12:25			WWC
ont Calb Rec for Antimony by GFAAS		97.3	%		03/22/2006 12:25			WWC
Sample Dup for Antimony by GFAAS		0.008	mg/L		03/22/2006 11:22			WWC
tial Calibration for Antimony by GFAA		0.047	mg/L		03/22/2006 11:07			WWC
t Calb Rec for Antimony by GFAAS		94.0	%		03/22/2006 11:07			WWC
amp Dup Precision for Antimony by GFAAS		0.00	%		03/22/2006 11:22			WWC
S Recovery for Antimony by GFAAS		94.0	%		03/22/2006 11:30			WWC
MS Result for Antimony by GFAAS		0.055	mg/L		03/22/2006 11:30			WWC
timony by GFAAS		0.008	mg/L		03/22/2006 11:15			WWC
MSD Result for Antimony by GFAAS		0.055	mg/L		03/22/2006 11:38			WWC
S/MSD Precision for Antimony by GFAAS		0.000	mg/L		03/22/2006 11:38			WWC
Batch Name SEAA-5947		**QA Sample ID AE09961**						
Samples AE09961 AE09962 AE09963 AE09964 AE09996								
ethod Blank for Selenium		<MDL	mg/L	U	04/07/2006 13:40			WWC
ont. Cal. Blank for Selenium		<MDL	mg/L	U	04/07/2006 15:45			WWC
ntinuous Calibration for Selenium		0.103	mg/L		04/07/2006 15:37			WWC
Cont Calb Rec for Selenium		103	%		04/07/2006 15:37			WWC
mple Dup for Selenium		0.0004	mg/L		04/07/2006 14:04			WWC
Initial Calibration for Selenium		0.051	mg/L		04/07/2006 13:48			WWC
Calb Rec for Selenium		102	%		04/07/2006 13:48			WWC
amp Dup Precision for Selenium		NO RESULT	%		04/07/2006 14:04			WWC
S Recovery for Selenium		100	%		04/07/2006 14:12			WWC
S Result for Selenium		0.051	mg/L		04/07/2006 14:12			WWC
MSD Result for Selenium by GFAAS		0.050	mg/L		04/07/2006 14:19			WWC
lenium by GFAAS		0.001	mg/L	I	04/07/2006 13:56			WWC
MS/MSD Precision for Selenium by GFAAS		1.98	%		04/07/2006 14:19			WWC
atch Name SEAA-5948		**QA Sample ID AE09966**						
Samples AE09965 AE09966 AE09967 AE09968 AE09969 AE09988 AE09989 AE09990 AE09991 AE09992								
nt. Cal. Blank for Selenium		<MDL	mg/L	U	04/07/2006 17:41			WWC
ontinuous Calibration for Selenium		0.104	mg/L		04/07/2006 17:33			WWC
ont Calb Rec for Selenium		104	%		04/07/2006 17:33			WWC
mple Dup for Selenium		0.0002	mg/L	I	04/07/2006 16:00			WWC
Samp Dup Precision for Selenium		NO RESULT	%		04/07/2006 16:00			WWC
S Recovery for Selenium		104	%		04/07/2006 16:08			WWC
MS Result for Selenium		0.052	mg/L		04/07/2006 16:08			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SEAA-5948		**QA Sample ID AE09966**						
Samples AE09965 AE09966 AE09967 AE09968 AE09969 AE09988 AE09989 AE09990 AE09991 AE09992								
SD Result for Selenium by GFAAS		0.053	mg/L		04/07/2006 16:16			WWC
Selenium by GFAAS		<MDL	mg/L	U	04/07/2006 15:52			WWC
S/MSD Precision for Selenium by GFAAS		1.90	%		04/07/2006 16:16			WWC
Batch Name SEAA-5949		**QA Sample ID AE09994**						
Samples AE09993 AE09994 AE09995								
Cont. Cal. Blank for Selenium		<MDL	mg/L	U	04/07/2006 18:43			WWC
ontinuous Calibration for Selenium		0.101	mg/L		04/07/2006 18:35			WWC
ont Calb Rec for Selenium		101	%		04/07/2006 18:35			WWC
ample Dup for Selenium		0.001	mg/L	I	04/07/2006 17:56			WWC
mp Dup Precision for Selenium		0.00	%		04/07/2006 17:49			WWC
MS Recovery for Selenium		102	%		04/07/2006 18:04			WWC
S Result for Selenium		0.052	mg/L		04/07/2006 18:11			WWC
MSD Result for Selenium by GFAAS		0.051	mg/L		04/07/2006 18:11			WWC
lenium by GFAAS		0.001	mg/L	I	04/07/2006 17:49			WWC
S/MSD Precision for Selenium by GFAAS		1.94	%		04/07/2006 18:11			WWC
Batch Name TDS-5919		**QA Sample ID AE09957**						
Samples AE09961 AE09962 AE09963 AE09964 AE09965								
ethod Blank for TDS		<MDL	mg/L	U	03/02/2006 10:30			LK/ IR
mple Dup for TDS		693	mg/L		03/02/2006 10:30			LK/ IR
Initial Calibration for TDS		288	mg/L		03/02/2006 10:30			LK/ IR
Calb Conc for TDS		300	mg/L		03/02/2006 10:30			LK/ IR
Int Calb Rec for TDS		96.0	%		03/02/2006 10:30			LK/ IR
mp Dup Precision for TDS		Pass	%		03/02/2006 10:57			IR
tal Dissolved Solids		693	mg/L		03/02/2006 10:30			LK/ IR
Batch Name TDS-5920		**QA Sample ID AE09967**						
Samples AE09966 AE09967 AE09968								
ample Dup for TDS		259	mg/L		03/02/2006 10:30			LK/ IR
mp Dup Precision for TDS		Pass	%		03/02/2006 10:59			IR
Total Dissolved Solids		264	mg/L		03/02/2006 10:30			LK/ IR
Batch Name TDS-5961		**QA Sample ID AE09969**						
Samples AE09969 AE09989 AE09990 AE09991 AE09992 AE09993 AE09994 AE09995 AE09996								
thod Blank for TDS		<MDL	mg/L	U	03/05/2006 11:20			IR
Sample Dup for TDS		107	mg/L		03/05/2006 11:20			IR
tial Calibration for TDS		295	mg/L		03/05/2006 11:20			IR
Calb Conc for TDS		300	mg/L		03/05/2006 11:20			IR
Int Calb Rec for TDS		98.3	%		03/05/2006 11:20			IR

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name TDS-5961		**QA Sample ID**	**AE09969**					
Samples AE09969 AE09989 AE09990 AE09991 AE09992 AE09993 AE09994 AE09995 AE09996								
amp Dup Precision for TDS		Pass	%		03/05/2006 11:57		IR	
Total Dissolved Solids		116	mg/L		03/05/2006 11:20		IR	
Batch Name TDS-5962		**QA Sample ID**	**AE09988**					
Samples AE09988								
ample Dup for TDS		331	mg/L		03/05/2006 11:20		IR	
Samp Dup Precision for TDS		Pass	%		03/05/2006 11:58		IR	
tal Dissolved Solids		320	mg/L		03/05/2006 11:20		IR	
Batch Name TLAA-5930		**QA Sample ID**	**AE09996**					
Samples AE09961 AE09962 AE09963 AE09964 AE09996								
ethod Blank for Thallium by GFAAS		< MDL	mg/L	U	03/14/2006 09:48		WWC	
ontinuing Cal. Blank for Thallium by GF		< MDL	mg/L	U	03/14/2006 12:00		WWC	
ntinuous Calibration for Thallium by G		0.107	mg/L		03/14/2006 11:52		WWC	
Cont Calb Rec for Thallium by GFAAS		107	%		03/14/2006 11:52		WWC	
ample Dup for Thallium by GFAAS		< MDL	mg/L	U	03/14/2006 10:13		WWC	
Initial Calibration for Thallium by GFAA		0.051	mg/L		03/14/2006 09:56		WWC	
Calb Rec for Thallium by GFAAS		102	%		03/14/2006 09:56		WWC	
amp Dup Precision for Thallium by GFAAS		Passed	%		03/16/2006 10:13		WWC	
MS Recovery for Thallium by GFAAS		108	%		03/14/2006 10:21		WWC	
S Result for Thallium by GFAAS		0.054	mg/L		03/14/2006 10:21		WWC	
MSD Result for Thallium by GFAAS		0.053	mg/L		03/14/2006 10:29		WWC	
S/MSD Precision for Thallium by GFAAS		1.87	%		03/14/2006 10:21		WWC	
Thallium by GFAAS		< MDL	mg/L	U	03/14/2006 10:05		WWC	
Batch Name TLAA-5931		**QA Sample ID**	**AE09965**					
Samples AE09965 AE09966 AE09967 AE09968 AE09969 AE09988 AE09989 AE09990 AE09991 AE09992								
ntinuing Cal. Blank for Thallium by GF		< MDL	mg/L	U	03/14/2006 14:05		WWC	
ontinuous Calibration for Thallium by G		0.107	mg/L		03/14/2006 13:56		WWC	
ont Calb Rec for Thallium by GFAAS		107	%		03/14/2006 13:56		WWC	
mple Dup for Thallium by GFAAS		0.001	mg/L		03/14/2006 12:17		WWC	
Samp Dup Precision for Thallium by GFAAS		NO RESULT	%		03/14/2006 12:09		WWC	
S Recovery for Thallium by GFAAS		104	%		03/14/2006 12:25		WWC	
MS Result for Thallium by GFAAS		0.052	mg/L		03/14/2006 12:25		WWC	
SD Result for Thallium by GFAAS		0.051	mg/L		03/14/2006 12:34		WWC	
MS/MSD Precision for Thallium by GFAAS		1.94	%		03/14/2006 12:34		WWC	
Thallium by GFAAS		< MDL	mg/L	U	03/14/2006 12:09		WWC	
Batch Name TLAA-5932		**QA Sample ID**	**AE09993**					
Samples AE09993 AE09994 AE09995								

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name TLAA-5932		**QA Sample ID**	**AE09993**					
Samples AE09993 AE09994 AE09995								
ontinuing Cal. Blank for Thallium by GF		< MDL	mg/L	U	03/14/2006 15:11			WWC
Continuous Calibration for Thallium by G		0.110	mg/L		03/14/2006 15:02			WWC
ont Calb Rec for Thallium by GFAAS		110	%		03/14/2006 15:02			WWC
Sample Dup for Thallium by GFAAS		< MDL	mg/L	U	03/14/2006 14:21			WWC
amp Dup Precision for Thallium by GFAAS		Passed	%		03/16/2006 14:21			WWC
MS Recovery for Thallium by GFAAS		98.0	%		03/14/2006 14:29			WWC
MS Result for Thallium by GFAAS		0.049	mg/L		03/14/2006 14:29			WWC
SD Result for Thallium by GFAAS		0.050	mg/L		03/14/2006 14:37			WWC
MS/MSD Precision for Thallium by GFAAS		2.02	%		03/14/2006 14:37			WWC
allium by GFAAS		< MDL	mg/L	I	03/14/2006 14:13			WWC

DATA QUALIFIER CODES

A	Value reported is the mean (average) of two or more determinations
B	Results based upon colony counts outside the acceptable range. This code applies to micobiological tests, specifically to membrane filter colony counts, and is used only if the colony count is generated from a plate in which the total number of coliform colonies exceeds the method indicated ideal ranges.
C	Analysis performed by contract laboratory
F	When reporting species, this code indicates the female sex.
H	Holiday
I	The reported value is between the lab method detection limit and the lab practical quanitation limit.
J	Estimated value, may not be accurate. Use of this code requires justification for its use and is used in the following situations: 1. Exceeding of surrogate recovery limits 2. Existence of no quality control criteria for a component 3. Failure to meet established precision and accuracy criteria 4. Matrix interference 5. Questionable data due to improper field or lab protocols "J" Values are exclusive and are not used in conjunction with other codes
K	Indicates off scale low and the actual value is known to be less than the value listed. Used if the value is less than the lowest calibration standard when the calibration curve is known to be non-linear. Can also be used if the actual value is known to be less than the reported value based on sample size, dilution.
L	Off-scale high and the actual value is known to be greater than the reported value. Used when the sample concentration of the analyte exceeds the linear range or highest calibration standard and the calibration curve is known to exhibit a negative deflection.
M	To be used for chemical analysis: the presence of the anayte is verified but not quantified and the actual value is less than the value reported.
N	Presumptive evidence of presence of compound. To be used when the compound has been determined by TIC (mass spectral library search) or if presence of the compound cannot be confirmed using alternate procedures.
O	Indicates Analysis was lost or not performed.
Q	Analyzed after holding time expired
R	Re-Sample
T	Reported value is less than the laboratory method detection limit. The value is reported for informational purposes only and is not used in statistical analysis.
U	Less than the method detection limit
V	Blank contamination. Results are valid and can be reported
X	Time of collection not provided
Y	Laboratoy analysis was performed on sample, which was unpreserved or improperly preserved, therefore, the the data may be inacurate.
Z	Too many colonies present. (TNTC)
%	Below FDEP Limits
*	Analysis was not performed due to interference
#	No sample received
?	Indicates that the data should not be used since some or all quality control data for the analyte fall outside limits and the presence or absence of the analyte determined from the data.
"-"	no data reported

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-1 (AEO 9961)
Matrix	Groundwater
SAL Sample Number	57756.01
Date/Time Collected	02/27/06 07:09
Date/Time Received	02/27/06 13:00

√ed MDLS

Parameters	Units	Results		Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/l	0.63	U,S13	EPA 8260	0.63	03/13/06 12:33	03/13/06 12:33	PB
1,1,1-Trichloroethane	ug/l	0.46	U,S13	EPA 8260	0.46	03/13/06 12:33	03/13/06 12:33	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14	U,S13	EPA 8260	0.14 0.2	03/13/06 12:33	03/13/06 12:33	PB PQLC 2 OK
1,1,2-Trichloroethane	ug/l	0.47	U,S13	EPA 8260	0.47	03/13/06 12:33	03/13/06 12:33	PB
1,1-Dichloroethane	ug/l	0.52	U,S13	EPA 8260	0.52	03/13/06 12:33	03/13/06 12:33	PB
1,1-Dichloroethene	ug/l	0.45	U,S13	EPA 8260	0.45	03/13/06 12:33	03/13/06 12:33	PB
1,2,3-Trichloropropane	ug/l	0.15	U,S13	EPA 8260 .02	0.15	03/13/06 12:33	03/13/06 12:33	PB PQLC 2 OK
1,2-Dibromo-3-chloropropane	ug/l	0.74	U,S13	EPA 8260 min crit conc.	0.74 0.2	03/13/06 12:33	03/13/06 12:33	PB
1,2-Dibromoethane	ug/l	0.50	U,S13	EPA 8260	0.50 0.02	03/13/06 12:33	03/13/06 12:33	PB
1,2-Dichlorobenzene	ug/l	0.44	U,S13	EPA 8260	0.44	03/13/06 12:33	03/13/06 12:33	PB
1,2-Dichloroethane	ug/l	0.57	U,S13	EPA 8260	0.57	03/13/06 12:33	03/13/06 12:33	PB
1,2-Dichloropropane	ug/l	0.52	U,S13	EPA 8260	0.52	03/13/06 12:33	03/13/06 12:33	PB
1,4-Dichlorobenzene	ug/l	0.52	U,S13	EPA 8260	0.52	03/13/06 12:33	03/13/06 12:33	PB
2-Hexanone	ug/l	4.4	U,S13	EPA 8260	4.4	03/13/06 12:33	03/13/06 12:33	PB
Acetone	ug/l	9.9	U,S13	EPA 8260	9.9	03/13/06 12:33	03/13/06 12:33	PB
Acrylonitrile	ug/l	1.2	U,S13	EPA 8260 .06 min crit conc.	1.2	03/13/06 12:33	03/13/06 12:33	PB PQLC 20 OK
Benzene	ug/l	0.27	U,S13	EPA 8260	0.27	03/13/06 12:33	03/13/06 12:33	PB
Bromochloromethane	ug/l	0.58	U,S13	EPA 8260	0.58	03/13/06 12:33	03/13/06 12:33	PB
Bromodichloromethane	ug/l	0.35	U,S13	EPA 8260	0.35	03/13/06 12:33	03/13/06 12:33	PB
Bromoform	ug/l	0.58	U,S13	EPA 8260	0.58	03/13/06 12:33	03/13/06 12:33	PB
Bromomethane	ug/l	0.66	U,S13	EPA 8260	0.66	03/13/06 12:33	03/13/06 12:33	PB
Carbon disulfide	ug/l	0.85	U,S13	EPA 8260	0.85	03/13/06 12:33	03/13/06 12:33	PB
Carbon tetrachloride	ug/l	0.42	U,S13	EPA 8260	0.42	03/13/06 12:33	03/13/06 12:33	PB
Chlorobenzene	ug/l	0.63	U,S13	EPA 8260	0.63	03/13/06 12:33	03/13/06 12:33	PB
Chloroethane	ug/l	0.80	U,S13	EPA 8260	0.80	03/13/06 12:33	03/13/06 12:33	PB
Chloroform	ug/l	0.90	U,S13	EPA 8260	0.90	03/13/06 12:33	03/13/06 12:33	PB
Chloromethane	ug/l	0.64	U,S13	EPA 8260	0.64	03/13/06 12:33	03/13/06 12:33	PB
~~cis-1,2-Dichloroethene~~	ug/l	0.65	U,S13	EPA 8260	0.65	03/13/06 12:33	03/13/06 12:33	PB
cis-1,3-Dichloropropene	ug/l	0.14	U,S13	EPA 8260	0.14	03/13/06 12:33	03/13/06 12:33	PB
Dibromochloromethane	ug/l	0.34	U,S13	EPA 8260	0.34	03/13/06 12:33	03/13/06 12:33	PB
Dibromomethane	ug/l	0.41	U,S13	EPA 8260	0.41	03/13/06 12:33	03/13/06 12:33	PB
Ethylbenzene	ug/l	0.44	U,S13	EPA 8260	0.44	03/13/06 12:33	03/13/06 12:33	PB
Iodomethane	ug/l	0.67	U,S13	EPA 8260	0.67 NE	03/13/06 12:33	03/13/06 12:33	PB
MEK (2-Butanone)	ug/l	8.4	U,S13	EPA 8260	8.4	03/13/06 12:33	03/13/06 12:33	PB
Methylene chloride	ug/l	4.0	U,S13	EPA 8260	4.0	03/13/06 12:33	03/13/06 12:33	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8	U,S13	EPA 8260	3.8	03/13/06 12:33	03/13/06 12:33	PB
Styrene	ug/l	0.98	U,S13	EPA 8260	0.98	03/13/06 12:33	03/13/06 12:33	PB
Tetrachloroethene	ug/l	0.34	U,S13	EPA 8260	0.34	03/13/06 12:33	03/13/06 12:33	PB
Toluene	ug/l	0.51	U,S13	EPA 8260	0.51	03/13/06 12:33	03/13/06 12:33	PB
trans-1,2-Dichloroethene	ug/l	0.44	U,S13	EPA 8260	0.44	03/13/06 12:33	03/13/06 12:33	PB

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-1 (AEO 9961)**
Matrix	**Groundwater**
SAL Sample Number	**57756.01**
Date/Time Collected	**02/27/06 07:09**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 12:33	03/13/06 12:33	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5 NE	03/13/06 12:33	03/13/06 12:33	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/13/06 12:33	03/13/06 12:33	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/13/06 12:33	03/13/06 12:33	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/13/06 12:33	03/13/06 12:33	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/13/06 12:33	03/13/06 12:33	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/13/06 12:33	03/13/06 12:33	PB
Field Parameter							
Total Well Depth	ft.	19.49			02/27/06 07:02		LRW
Reference Elevation (Top of Casing)	ft., NGVD	38.68			02/27/06 07:02		LRW
Depth to Water (below Top of Casing)	ft.	8.41	DEP FS2211		02/27/06 07:02		LRW
Specific Conductance	umhos/cm	709	DEP FT1200		02/27/06 07:02		LRW
Water Elevation	ft., NGVD	30.27	DEP FS2211		02/27/06 07:02		LRW
Water Temperature	C	20.6	DEP FT1400		02/27/06 07:02		LRW
pH	Units	6.5	DEP FT1100		02/27/06 07:02		LRW
Dissolved Oxygen	mg/l	0.3	DEP FT1500		02/27/06 07:02		LRW
Turbidity	NTU	3.3	DEP FT1600		02/27/06 07:02		LRW

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5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-2 (AEO 9962)
Matrix	Groundwater
SAL Sample Number	57756.02
Date/Time Collected	02/27/06 07:54
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/13/06 12:58	03/13/06 12:58	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/13/06 12:58	03/13/06 12:58	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 12:58	03/13/06 12:58	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/13/06 12:58	03/13/06 12:58	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 12:58	03/13/06 12:58	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/13/06 12:58	03/13/06 12:58	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/13/06 12:58	03/13/06 12:58	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/13/06 12:58	03/13/06 12:58	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/13/06 12:58	03/13/06 12:58	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 12:58	03/13/06 12:58	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/13/06 12:58	03/13/06 12:58	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 12:58	03/13/06 12:58	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 12:58	03/13/06 12:58	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/13/06 12:58	03/13/06 12:58	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/13/06 12:58	03/13/06 12:58	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/13/06 12:58	03/13/06 12:58	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/13/06 12:58	03/13/06 12:58	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/13/06 12:58	03/13/06 12:58	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/13/06 12:58	03/13/06 12:58	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/13/06 12:58	03/13/06 12:58	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/13/06 12:58	03/13/06 12:58	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/13/06 12:58	03/13/06 12:58	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/13/06 12:58	03/13/06 12:58	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/13/06 12:58	03/13/06 12:58	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/13/06 12:58	03/13/06 12:58	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/13/06 12:58	03/13/06 12:58	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/13/06 12:58	03/13/06 12:58	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/13/06 12:58	03/13/06 12:58	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 12:58	03/13/06 12:58	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/13/06 12:58	03/13/06 12:58	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/13/06 12:58	03/13/06 12:58	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 12:58	03/13/06 12:58	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/13/06 12:58	03/13/06 12:58	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/13/06 12:58	03/13/06 12:58	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/13/06 12:58	03/13/06 12:58	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/13/06 12:58	03/13/06 12:58	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/13/06 12:58	03/13/06 12:58	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/13/06 12:58	03/13/06 12:58	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/13/06 12:58	03/13/06 12:58	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 12:58	03/13/06 12:58	PB

FDOH Laboratory No. E84129
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-2 (AEO 9962)**
Matrix	**Groundwater**
SAL Sample Number	**57756.02**
Date/Time Collected	**02/27/06 07:54**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 12:58	03/13/06 12:58	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/13/06 12:58	03/13/06 12:58	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/13/06 12:58	03/13/06 12:58	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/13/06 12:58	03/13/06 12:58	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/13/06 12:58	03/13/06 12:58	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/13/06 12:58	03/13/06 12:58	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/13/06 12:58	03/13/06 12:58	PB
Field Parameter							
Total Well Depth	ft.	19.42			02/27/06 07:47		LRW
Reference Elevation (Top of Casing)	ft., NGVD	40.92			02/27/06 07:47		LRW
Depth to Water (below Top of Casing)	ft.	10.77	DEP FS2211		02/27/06 07:47		LRW
Specific Conductance	umhos/cm	655	DEP FT1200		02/27/06 07:47		LRW
Water Elevation	ft., NGVD	30.15	DEP FS2211		02/27/06 07:47		LRW
Water Temperature	C	21.8	DEP FT1400		02/27/06 07:47		LRW
pH	Units	6.5	DEP FT1100		02/27/06 07:47		LRW
Dissolved Oxygen	mg/l	0.2	DEP FT1500		02/27/06 07:47		LRW
Turbidity	NTU	50	DEP FT1600		02/27/06 07:47		LRW

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-3 (AEO 9963)
Matrix	Groundwater
SAL Sample Number	57756.03
Date/Time Collected	02/27/06 08:40
Date/Time Received	02/27/06 13:00

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GW3

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/13/06 13:23	03/13/06 13:23	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/13/06 13:23	03/13/06 13:23	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 13:23	03/13/06 13:23	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/13/06 13:23	03/13/06 13:23	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 13:23	03/13/06 13:23	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/13/06 13:23	03/13/06 13:23	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/13/06 13:23	03/13/06 13:23	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/13/06 13:23	03/13/06 13:23	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/13/06 13:23	03/13/06 13:23	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 13:23	03/13/06 13:23	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/13/06 13:23	03/13/06 13:23	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 13:23	03/13/06 13:23	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 13:23	03/13/06 13:23	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/13/06 13:23	03/13/06 13:23	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/13/06 13:23	03/13/06 13:23	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/13/06 13:23	03/13/06 13:23	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/13/06 13:23	03/13/06 13:23	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/13/06 13:23	03/13/06 13:23	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/13/06 13:23	03/13/06 13:23	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/13/06 13:23	03/13/06 13:23	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/13/06 13:23	03/13/06 13:23	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/13/06 13:23	03/13/06 13:23	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/13/06 13:23	03/13/06 13:23	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/13/06 13:23	03/13/06 13:23	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/13/06 13:23	03/13/06 13:23	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/13/06 13:23	03/13/06 13:23	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/13/06 13:23	03/13/06 13:23	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/13/06 13:23	03/13/06 13:23	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 13:23	03/13/06 13:23	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/13/06 13:23	03/13/06 13:23	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/13/06 13:23	03/13/06 13:23	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 13:23	03/13/06 13:23	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/13/06 13:23	03/13/06 13:23	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/13/06 13:23	03/13/06 13:23	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/13/06 13:23	03/13/06 13:23	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/13/06 13:23	03/13/06 13:23	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/13/06 13:23	03/13/06 13:23	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/13/06 13:23	03/13/06 13:23	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/13/06 13:23	03/13/06 13:23	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 13:23	03/13/06 13:23	PB

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-4 (AEO 9964)
Matrix	Groundwater
SAL Sample Number	57756.04
Date/Time Collected	02/27/06 09:18
Date/Time Received	02/27/06 13:00

Parameters	Units	Results		Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/l	0.63	U,S13	EPA 8260	0.63	03/13/06 13:48	03/13/06 13:48	PB
1,1,1-Trichloroethane	ug/l	0.46	U,S13	EPA 8260	0.46	03/13/06 13:48	03/13/06 13:48	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14	U,S13	EPA 8260	0.14	03/13/06 13:48	03/13/06 13:48	PB
1,1,2-Trichloroethane	ug/l	0.47	U,S13	EPA 8260	0.47	03/13/06 13:48	03/13/06 13:48	PB
1,1-Dichloroethane	ug/l	0.52	U,S13	EPA 8260	0.52	03/13/06 13:48	03/13/06 13:48	PB
1,1-Dichloroethene	ug/l	0.45	U,S13	EPA 8260	0.45	03/13/06 13:48	03/13/06 13:48	PB
1,2,3-Trichloropropane	ug/l	0.15	U,S13	EPA 8260	0.15	03/13/06 13:48	03/13/06 13:48	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74	U,S13	EPA 8260	0.74	03/13/06 13:48	03/13/06 13:48	PB
1,2-Dibromoethane	ug/l	0.50	U,S13	EPA 8260	0.50	03/13/06 13:48	03/13/06 13:48	PB
1,2-Dichlorobenzene	ug/l	0.44	U,S13	EPA 8260	0.44	03/13/06 13:48	03/13/06 13:48	PB
1,2-Dichloroethane	ug/l	0.57	U,S13	EPA 8260	0.57	03/13/06 13:48	03/13/06 13:48	PB
1,2-Dichloropropane	ug/l	0.52	U,S13	EPA 8260	0.52	03/13/06 13:48	03/13/06 13:48	PB
1,4-Dichlorobenzene	ug/l	0.52	U,S13	EPA 8260	0.52	03/13/06 13:48	03/13/06 13:48	PB
2-Hexanone	ug/l	4.4	U,S13	EPA 8260	4.4	03/13/06 13:48	03/13/06 13:48	PB
Acetone	ug/l	9.9	U,S13	EPA 8260	9.9	03/13/06 13:48	03/13/06 13:48	PB
Acrylonitrile	ug/l	1.2	U,S13	EPA 8260	1.2	03/13/06 13:48	03/13/06 13:48	PB
Benzene	ug/l	0.27	U,S13	EPA 8260	0.27	03/13/06 13:48	03/13/06 13:48	PB
Bromochloromethane	ug/l	0.58	U,S13	EPA 8260	0.58	03/13/06 13:48	03/13/06 13:48	PB
Bromodichloromethane	ug/l	0.35	U,S13	EPA 8260	0.35	03/13/06 13:48	03/13/06 13:48	PB
Bromoform	ug/l	0.58	U,S13	EPA 8260	0.58	03/13/06 13:48	03/13/06 13:48	PB
Bromomethane	ug/l	0.66	U,S13	EPA 8260	0.66	03/13/06 13:48	03/13/06 13:48	PB
Carbon disulfide	ug/l	0.85	U,S13	EPA 8260	0.85	03/13/06 13:48	03/13/06 13:48	PB
Carbon tetrachloride	ug/l	0.42	U,S13	EPA 8260	0.42	03/13/06 13:48	03/13/06 13:48	PB
Chlorobenzene	ug/l	0.63	U,S13	EPA 8260	0.63	03/13/06 13:48	03/13/06 13:48	PB
Chloroethane	ug/l	0.80	U,S13	EPA 8260	0.80	03/13/06 13:48	03/13/06 13:48	PB
Chloroform	ug/l	0.90	U,S13	EPA 8260	0.90	03/13/06 13:48	03/13/06 13:48	PB
Chloromethane	ug/l	0.64	U,S13	EPA 8260	0.64	03/13/06 13:48	03/13/06 13:48	PB
cis-1,2-Dichloroethene	ug/l	0.65	U,S13	EPA 8260	0.65	03/13/06 13:48	03/13/06 13:48	PB
cis-1,3-Dichloropropene	ug/l	0.14	U,S13	EPA 8260	0.14	03/13/06 13:48	03/13/06 13:48	PB
Dibromochloromethane	ug/l	0.34	U,S13	EPA 8260	0.34	03/13/06 13:48	03/13/06 13:48	PB
Dibromomethane	ug/l	0.41	U,S13	EPA 8260	0.41	03/13/06 13:48	03/13/06 13:48	PB
Ethylbenzene	ug/l	0.44	U,S13	EPA 8260	0.44	03/13/06 13:48	03/13/06 13:48	PB
Iodomethane	ug/l	0.67	U,S13	EPA 8260	0.67	03/13/06 13:48	03/13/06 13:48	PB
MEK (2-Butanone)	ug/l	8.4	U,S13	EPA 8260	8.4	03/13/06 13:48	03/13/06 13:48	PB
Methylene chloride	ug/l	4.0	U,S13	EPA 8260	4.0	03/13/06 13:48	03/13/06 13:48	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8	U,S13	EPA 8260	3.8	03/13/06 13:48	03/13/06 13:48	PB
Styrene	ug/l	0.98	U,S13	EPA 8260	0.98	03/13/06 13:48	03/13/06 13:48	PB
Tetrachloroethene	ug/l	0.34	U,S13	EPA 8260	0.34	03/13/06 13:48	03/13/06 13:48	PB
Toluene	ug/l	0.51	U,S13	EPA 8260	0.51	03/13/06 13:48	03/13/06 13:48	PB
trans-1,2-Dichloroethene	ug/l	0.44	U,S13	EPA 8260	0.44	03/13/06 13:48	03/13/06 13:48	PB

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-4 (AEO 9964)
Matrix	Groundwater
SAL Sample Number	57756.04
Date/Time Collected	02/27/06 09:18
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 13:48	03/13/06 13:48	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/13/06 13:48	03/13/06 13:48	PB
Trichloroethene	ug/l	0.28 I,S13	EPA 8260	0.28	03/13/06 13:48	03/13/06 13:48	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/13/06 13:48	03/13/06 13:48	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/13/06 13:48	03/13/06 13:48	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/13/06 13:48	03/13/06 13:48	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/13/06 13:48	03/13/06 13:48	PB
Field Parameter							
Total Well Depth	ft.	19.52			02/27/06 09:11		LRW
Reference Elevation (Top of Casing)	ft., NGVD	40.53			02/27/06 09:11		LRW
Depth to Water (below Top of Casing)	ft.	8.42	DEP FS2211		02/27/06 09:11		LRW
Specific Conductance	umhos/cm	344	DEP FT1200		02/27/06 09:11		LRW
Water Elevation	ft., NGVD	32.11	DEP FS2211		02/27/06 09:11		LRW
Water Temperature	C	20.6	DEP FT1400		02/27/06 09:11		LRW
pH	Units	5.9	DEP FT1100		02/27/06 09:11		LRW
Dissolved Oxygen	mg/l	0.2	DEP FT1500		02/27/06 09:11		LRW
Turbidity	NTU	5.4	DEP FT1600		02/27/06 09:11		LRW

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5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-5 (AEO 9965)
Matrix	Groundwater
SAL Sample Number	57756.05
Date/Time Collected	02/27/06 09:54
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/13/06 14:12	03/13/06 14:12	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/13/06 14:12	03/13/06 14:12	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 14:12	03/13/06 14:12	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/13/06 14:12	03/13/06 14:12	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 14:12	03/13/06 14:12	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/13/06 14:12	03/13/06 14:12	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/13/06 14:12	03/13/06 14:12	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/13/06 14:12	03/13/06 14:12	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/13/06 14:12	03/13/06 14:12	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 14:12	03/13/06 14:12	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/13/06 14:12	03/13/06 14:12	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 14:12	03/13/06 14:12	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/13/06 14:12	03/13/06 14:12	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/13/06 14:12	03/13/06 14:12	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/13/06 14:12	03/13/06 14:12	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/13/06 14:12	03/13/06 14:12	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/13/06 14:12	03/13/06 14:12	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/13/06 14:12	03/13/06 14:12	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/13/06 14:12	03/13/06 14:12	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/13/06 14:12	03/13/06 14:12	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/13/06 14:12	03/13/06 14:12	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/13/06 14:12	03/13/06 14:12	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/13/06 14:12	03/13/06 14:12	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/13/06 14:12	03/13/06 14:12	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/13/06 14:12	03/13/06 14:12	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/13/06 14:12	03/13/06 14:12	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/13/06 14:12	03/13/06 14:12	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/13/06 14:12	03/13/06 14:12	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 14:12	03/13/06 14:12	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/13/06 14:12	03/13/06 14:12	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/13/06 14:12	03/13/06 14:12	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 14:12	03/13/06 14:12	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/13/06 14:12	03/13/06 14:12	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/13/06 14:12	03/13/06 14:12	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/13/06 14:12	03/13/06 14:12	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/13/06 14:12	03/13/06 14:12	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/13/06 14:12	03/13/06 14:12	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/13/06 14:12	03/13/06 14:12	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/13/06 14:12	03/13/06 14:12	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/13/06 14:12	03/13/06 14:12	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-5 (AEO 9965)**
Matrix	**Groundwater**
SAL Sample Number	**57756.05**
Date/Time Collected	**02/27/06 09:54**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/13/06 14:12	03/13/06 14:12	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/13/06 14:12	03/13/06 14:12	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/13/06 14:12	03/13/06 14:12	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/13/06 14:12	03/13/06 14:12	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/13/06 14:12	03/13/06 14:12	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/13/06 14:12	03/13/06 14:12	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/13/06 14:12	03/13/06 14:12	PB
Field Parameter							
Total Well Depth	ft.	19.47			02/27/06 09:46		LRW
Reference Elevation (Top of Casing)	ft., NGVD	39.90			02/27/06 09:46		LRW
Depth to Water (below Top of Casing)	ft.	8.95	DEP FS2211		02/27/06 09:46		LRW
Specific Conductance	umhos/cm	480	DEP FT1200		02/27/06 09:46		LRW
Water Elevation	ft., NGVD	30.95	DEP FS2211		02/27/06 09:46		LRW
Water Temperature	C	21.8	DEP FT1400		02/27/06 09:46		LRW
pH	Units	6.1	DEP FT1100		02/27/06 09:46		LRW
Dissolved Oxygen	mg/l	0.1	DEP FT1500		02/27/06 09:46		LRW
Turbidity	NTU	2.0	DEP FT1600		02/27/06 09:46		LRW

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-6 (AEO 9966)
Matrix	Groundwater
SAL Sample Number	57756.06
Date/Time Collected	02/27/06 10:35
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 11:37	03/10/06 11:37	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 11:37	03/10/06 11:37	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 11:37	03/10/06 11:37	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 11:37	03/10/06 11:37	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 11:37	03/10/06 11:37	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 11:37	03/10/06 11:37	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 11:37	03/10/06 11:37	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 11:37	03/10/06 11:37	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 11:37	03/10/06 11:37	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 11:37	03/10/06 11:37	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 11:37	03/10/06 11:37	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 11:37	03/10/06 11:37	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 11:37	03/10/06 11:37	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 11:37	03/10/06 11:37	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 11:37	03/10/06 11:37	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 11:37	03/10/06 11:37	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 11:37	03/10/06 11:37	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 11:37	03/10/06 11:37	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 11:37	03/10/06 11:37	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 11:37	03/10/06 11:37	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 11:37	03/10/06 11:37	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 11:37	03/10/06 11:37	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 11:37	03/10/06 11:37	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 11:37	03/10/06 11:37	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 11:37	03/10/06 11:37	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 11:37	03/10/06 11:37	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 11:37	03/10/06 11:37	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 11:37	03/10/06 11:37	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 11:37	03/10/06 11:37	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 11:37	03/10/06 11:37	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 11:37	03/10/06 11:37	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 11:37	03/10/06 11:37	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 11:37	03/10/06 11:37	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 11:37	03/10/06 11:37	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 11:37	03/10/06 11:37	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 11:37	03/10/06 11:37	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 11:37	03/10/06 11:37	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 11:37	03/10/06 11:37	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 11:37	03/10/06 11:37	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 11:37	03/10/06 11:37	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-6 (AEO 9966)**
Matrix	**Groundwater**
SAL Sample Number	**57756.06**
Date/Time Collected	**02/27/06 10:35**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 11:37	03/10/06 11:37	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 11:37	03/10/06 11:37	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 11:37	03/10/06 11:37	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 11:37	03/10/06 11:37	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 11:37	03/10/06 11:37	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 11:37	03/10/06 11:37	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 11:37	03/10/06 11:37	PB
Field Parameter							
Total Well Depth	ft.	19.50			02/27/06 10:34		BJD
Reference Elevation (Top of Casing)	ft., NGVD	38.95			02/27/06 10:34		BJD
Depth to Water (below Top of Casing)	ft.	9.11	DEP FS2211		02/27/06 10:34		BJD
Specific Conductance	umhos/cm	330	DEP FT1200		02/27/06 10:34		BJD
Water Elevation	ft., NGVD	29.84	DEP FS2211		02/27/06 10:34		BJD
Water Temperature	C	21.9	DEP FT1400		02/27/06 10:34		BJD
pH	Units	6.5	DEP FT1100		02/27/06 10:34		BJD
Dissolved Oxygen	mg/l	0.3	DEP FT1500		02/27/06 10:34		BJD
Turbidity	NTU	2.4	DEP FT1600		02/27/06 10:34		BJD

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5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-7 (AEO 9967)
Matrix	Groundwater
SAL Sample Number	57756.07
Date/Time Collected	02/27/06 11:07
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 11:13	03/10/06 11:13	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 11:13	03/10/06 11:13	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 11:13	03/10/06 11:13	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 11:13	03/10/06 11:13	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 11:13	03/10/06 11:13	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 11:13	03/10/06 11:13	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 11:13	03/10/06 11:13	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 11:13	03/10/06 11:13	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 11:13	03/10/06 11:13	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 11:13	03/10/06 11:13	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 11:13	03/10/06 11:13	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 11:13	03/10/06 11:13	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 11:13	03/10/06 11:13	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 11:13	03/10/06 11:13	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 11:13	03/10/06 11:13	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 11:13	03/10/06 11:13	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 11:13	03/10/06 11:13	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 11:13	03/10/06 11:13	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 11:13	03/10/06 11:13	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 11:13	03/10/06 11:13	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 11:13	03/10/06 11:13	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 11:13	03/10/06 11:13	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 11:13	03/10/06 11:13	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 11:13	03/10/06 11:13	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 11:13	03/10/06 11:13	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 11:13	03/10/06 11:13	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 11:13	03/10/06 11:13	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 11:13	03/10/06 11:13	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 11:13	03/10/06 11:13	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 11:13	03/10/06 11:13	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 11:13	03/10/06 11:13	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 11:13	03/10/06 11:13	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 11:13	03/10/06 11:13	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 11:13	03/10/06 11:13	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 11:13	03/10/06 11:13	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 11:13	03/10/06 11:13	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 11:13	03/10/06 11:13	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 11:13	03/10/06 11:13	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 11:13	03/10/06 11:13	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 11:13	03/10/06 11:13	PB

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5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-7 (AEO 9967)
Matrix	Groundwater
SAL Sample Number	57756.07
Date/Time Collected	02/27/06 11:07
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 11:13	03/10/06 11:13	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 11:13	03/10/06 11:13	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 11:13	03/10/06 11:13	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 11:13	03/10/06 11:13	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 11:13	03/10/06 11:13	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 11:13	03/10/06 11:13	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 11:13	03/10/06 11:13	PB
Field Parameter							
Total Well Depth	ft.	19.57			02/27/06 11:04		BJD
Reference Elevation (Top of Casing)	ft., NGVD	39.49			02/27/06 11:04		BJD
Depth to Water (below Top of Casing)	ft.	11.97	DEP FS2211		02/27/06 11:04		BJD
Specific Conductance	umhos/cm	304	DEP FT1200		02/27/06 11:04		BJD
Water Elevation	ft., NGVD	27.52	DEP FS2211		02/27/06 11:04		BJD
Water Temperature	C	22.4	DEP FT1400		02/27/06 11:04		BJD
pH	Units	6.4	DEP FT1100		02/27/06 11:04		BJD
Dissolved Oxygen	mg/l	0.1	DEP FT1500		02/27/06 11:04		BJD
Turbidity	NTU	5.8	DEP FT1600		02/27/06 11:04		BJD

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Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-8 (AEO 9988)
Matrix	Groundwater
SAL Sample Number	57756.08
Date/Time Collected	02/28/06 06:46
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 10:48	03/10/06 10:48	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 10:48	03/10/06 10:48	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 10:48	03/10/06 10:48	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 10:48	03/10/06 10:48	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 10:48	03/10/06 10:48	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 10:48	03/10/06 10:48	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 10:48	03/10/06 10:48	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 10:48	03/10/06 10:48	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 10:48	03/10/06 10:48	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 10:48	03/10/06 10:48	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 10:48	03/10/06 10:48	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 10:48	03/10/06 10:48	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 10:48	03/10/06 10:48	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 10:48	03/10/06 10:48	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 10:48	03/10/06 10:48	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 10:48	03/10/06 10:48	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 10:48	03/10/06 10:48	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 10:48	03/10/06 10:48	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 10:48	03/10/06 10:48	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 10:48	03/10/06 10:48	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 10:48	03/10/06 10:48	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 10:48	03/10/06 10:48	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 10:48	03/10/06 10:48	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 10:48	03/10/06 10:48	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 10:48	03/10/06 10:48	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 10:48	03/10/06 10:48	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 10:48	03/10/06 10:48	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 10:48	03/10/06 10:48	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 10:48	03/10/06 10:48	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 10:48	03/10/06 10:48	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 10:48	03/10/06 10:48	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 10:48	03/10/06 10:48	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 10:48	03/10/06 10:48	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 10:48	03/10/06 10:48	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 10:48	03/10/06 10:48	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 10:48	03/10/06 10:48	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 10:48	03/10/06 10:48	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 10:48	03/10/06 10:48	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 10:48	03/10/06 10:48	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 10:48	03/10/06 10:48	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-8 (AEO 9988)
Matrix	Groundwater
SAL Sample Number	57756.08
Date/Time Collected	02/28/06 06:46
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 10:48	03/10/06 10:48	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 10:48	03/10/06 10:48	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 10:48	03/10/06 10:48	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 10:48	03/10/06 10:48	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 10:48	03/10/06 10:48	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 10:48	03/10/06 10:48	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 10:48	03/10/06 10:48	PB
Field Parameter							
Total Well Depth	ft.	19.59			02/28/06 06:45		LRW
Reference Elevation (Top of Casing)	ft., NGVD	39.75			02/28/06 06:45		LRW
Depth to Water (below Top of Casing)	ft.	12.94	DEP FS2211		02/28/06 06:45		LRW
Specific Conductance	umhos/cm	407	DEP FT1200		02/28/06 06:45		LRW
Water Elevation	ft., NGVD	26.81	DEP FS2211		02/28/06 06:45		LRW
Water Temperature	C	20.6	DEP FT1400		02/28/06 06:45		LRW
pH	Units	5.8	DEP FT1100		02/28/06 06:45		LRW
Dissolved Oxygen	mg/l	0.3	DEP FT1500		02/28/06 06:45		LRW
Turbidity	NTU	16	DEP FT1600		02/28/06 06:45		LRW

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-9 (AEO 9989)
Matrix	Groundwater
SAL Sample Number	57756.09
Date/Time Collected	02/28/06 07:19
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 10:23	03/10/06 10:23	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 10:23	03/10/06 10:23	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 10:23	03/10/06 10:23	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 10:23	03/10/06 10:23	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 10:23	03/10/06 10:23	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 10:23	03/10/06 10:23	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 10:23	03/10/06 10:23	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 10:23	03/10/06 10:23	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 10:23	03/10/06 10:23	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 10:23	03/10/06 10:23	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 10:23	03/10/06 10:23	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 10:23	03/10/06 10:23	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 10:23	03/10/06 10:23	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 10:23	03/10/06 10:23	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 10:23	03/10/06 10:23	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 10:23	03/10/06 10:23	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 10:23	03/10/06 10:23	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 10:23	03/10/06 10:23	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 10:23	03/10/06 10:23	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 10:23	03/10/06 10:23	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 10:23	03/10/06 10:23	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 10:23	03/10/06 10:23	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 10:23	03/10/06 10:23	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 10:23	03/10/06 10:23	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 10:23	03/10/06 10:23	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 10:23	03/10/06 10:23	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 10:23	03/10/06 10:23	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 10:23	03/10/06 10:23	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 10:23	03/10/06 10:23	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 10:23	03/10/06 10:23	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 10:23	03/10/06 10:23	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 10:23	03/10/06 10:23	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 10:23	03/10/06 10:23	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 10:23	03/10/06 10:23	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 10:23	03/10/06 10:23	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 10:23	03/10/06 10:23	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 10:23	03/10/06 10:23	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 10:23	03/10/06 10:23	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 10:23	03/10/06 10:23	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 10:23	03/10/06 10:23	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-9 (AEO 9989)
Matrix	Groundwater
SAL Sample Number	57756.09
Date/Time Collected	02/28/06 07:19
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 10:23	03/10/06 10:23	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 10:23	03/10/06 10:23	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 10:23	03/10/06 10:23	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 10:23	03/10/06 10:23	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 10:23	03/10/06 10:23	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 10:23	03/10/06 10:23	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 10:23	03/10/06 10:23	PB
Field Parameter							
Total Well Depth	ft.	19.58			02/28/06 07:18		LRW
Reference Elevation (Top of Casing)	ft., NGVD	39.65			02/28/06 07:18		LRW
Depth to Water (below Top of Casing)	ft.	12.37	DEP FS2211		02/28/06 07:18		LRW
Specific Conductance	umhos/cm	586	DEP FT1200		02/28/06 07:18		LRW
Water Elevation	ft., NGVD	27.28	DEP FS2211		02/28/06 07:18		LRW
Water Temperature	C	21.1	DEP FT1400		02/28/06 07:18		LRW
pH	Units	6.7	DEP FT1100		02/28/06 07:18		LRW
Dissolved Oxygen	mg/l	0.4	DEP FT1500		02/28/06 07:18		LRW
Turbidity	NTU	0.90	DEP FT1600		02/28/06 07:18		LRW

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5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-10 (AEO 9990)
Matrix	Groundwater
SAL Sample Number	57756.10
Date/Time Collected	02/28/06 08:00
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 09:58	03/10/06 09:58	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 09:58	03/10/06 09:58	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:58	03/10/06 09:58	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 09:58	03/10/06 09:58	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:58	03/10/06 09:58	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 09:58	03/10/06 09:58	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 09:58	03/10/06 09:58	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 09:58	03/10/06 09:58	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 09:58	03/10/06 09:58	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:58	03/10/06 09:58	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 09:58	03/10/06 09:58	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:58	03/10/06 09:58	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:58	03/10/06 09:58	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 09:58	03/10/06 09:58	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 09:58	03/10/06 09:58	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 09:58	03/10/06 09:58	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 09:58	03/10/06 09:58	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 09:58	03/10/06 09:58	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 09:58	03/10/06 09:58	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 09:58	03/10/06 09:58	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 09:58	03/10/06 09:58	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 09:58	03/10/06 09:58	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 09:58	03/10/06 09:58	PB
Chlorobenzene	ug/l	1.8 S13	EPA 8260	0.63	03/10/06 09:58	03/10/06 09:58	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 09:58	03/10/06 09:58	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 09:58	03/10/06 09:58	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 09:58	03/10/06 09:58	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 09:58	03/10/06 09:58	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:58	03/10/06 09:58	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 09:58	03/10/06 09:58	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 09:58	03/10/06 09:58	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:58	03/10/06 09:58	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 09:58	03/10/06 09:58	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 09:58	03/10/06 09:58	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 09:58	03/10/06 09:58	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 09:58	03/10/06 09:58	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 09:58	03/10/06 09:58	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 09:58	03/10/06 09:58	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 09:58	03/10/06 09:58	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:58	03/10/06 09:58	PB

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-10 (AEO 9990)**
Matrix	**Groundwater**
SAL Sample Number	**57756.10**
Date/Time Collected	**02/28/06 08:00**
Date/Time Received	**02/28/06 12:52**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:58	03/10/06 09:58	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 09:58	03/10/06 09:58	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 09:58	03/10/06 09:58	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 09:58	03/10/06 09:58	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 09:58	03/10/06 09:58	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 09:58	03/10/06 09:58	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 09:58	03/10/06 09:58	PB
Field Parameter							
Total Well Depth	ft.	20.29			02/28/06 07:56		LRW
Reference Elevation (Top of Casing)	ft., NGVD	38.34			02/28/06 07:56		LRW
Depth to Water (below Top of Casing)	ft.	10.97	DEP FS2211		02/28/06 07:56		LRW
Specific Conductance	umhos/cm	932	DEP FT1200		02/28/06 07:56		LRW
Water Elevation	ft., NGVD	27.37	DEP FS2211		02/28/06 07:56		LRW
Water Temperature	C	20.6	DEP FT1400		02/28/06 07:56		LRW
pH	Units	6.5	DEP FT1100		02/28/06 07:56		LRW
Dissolved Oxygen	mg/l	0.6	DEP FT1500		02/28/06 07:56		LRW
Turbidity	NTU	11	DEP FT1600		02/28/06 07:56		LRW

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5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-11 (AEO 9991)
Matrix	Groundwater
SAL Sample Number	57756.11
Date/Time Collected	02/28/06 08:59
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 09:33	03/10/06 09:33	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 09:33	03/10/06 09:33	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:33	03/10/06 09:33	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 09:33	03/10/06 09:33	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:33	03/10/06 09:33	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 09:33	03/10/06 09:33	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 09:33	03/10/06 09:33	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 09:33	03/10/06 09:33	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 09:33	03/10/06 09:33	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:33	03/10/06 09:33	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 09:33	03/10/06 09:33	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:33	03/10/06 09:33	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:33	03/10/06 09:33	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 09:33	03/10/06 09:33	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 09:33	03/10/06 09:33	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 09:33	03/10/06 09:33	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 09:33	03/10/06 09:33	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 09:33	03/10/06 09:33	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 09:33	03/10/06 09:33	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 09:33	03/10/06 09:33	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 09:33	03/10/06 09:33	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 09:33	03/10/06 09:33	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 09:33	03/10/06 09:33	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 09:33	03/10/06 09:33	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 09:33	03/10/06 09:33	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 09:33	03/10/06 09:33	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 09:33	03/10/06 09:33	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 09:33	03/10/06 09:33	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:33	03/10/06 09:33	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 09:33	03/10/06 09:33	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 09:33	03/10/06 09:33	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:33	03/10/06 09:33	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 09:33	03/10/06 09:33	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 09:33	03/10/06 09:33	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 09:33	03/10/06 09:33	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 09:33	03/10/06 09:33	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 09:33	03/10/06 09:33	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 09:33	03/10/06 09:33	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 09:33	03/10/06 09:33	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:33	03/10/06 09:33	PB

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-11 (AEO 9991)
Matrix	Groundwater
SAL Sample Number	57756.11
Date/Time Collected	02/28/06 08:59
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:33	03/10/06 09:33	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 09:33	03/10/06 09:33	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 09:33	03/10/06 09:33	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 09:33	03/10/06 09:33	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 09:33	03/10/06 09:33	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 09:33	03/10/06 09:33	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 09:33	03/10/06 09:33	PB
Field Parameter							
Total Well Depth	ft.	21.61			02/28/06 08:59		LRW
Reference Elevation (Top of Casing)	ft., NGVD	39.02			02/28/06 08:59		LRW
Depth to Water (below Top of Casing)	ft.	8.79	DEP FS2211		02/28/06 08:59		LRW
Specific Conductance	umhos/cm	277	DEP FT1200		02/28/06 08:59		LRW
Water Elevation	ft., NGVD	30.23	DEP FS2211		02/28/06 08:59		LRW
Water Temperature	C	22.7	DEP FT1400		02/28/06 08:59		LRW
pH	Units	5.9	DEP FT1100		02/28/06 08:59		LRW
Dissolved Oxygen	mg/l	0.2	DEP FT1500		02/28/06 08:59		LRW
Turbidity	NTU	1.4	DEP FT1600		02/28/06 08:59		LRW

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5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-12 (AEO 9992)
Matrix	Groundwater
SAL Sample Number	57756.12
Date/Time Collected	02/28/06 09:24
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 09:09	03/10/06 09:09	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 09:09	03/10/06 09:09	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:09	03/10/06 09:09	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 09:09	03/10/06 09:09	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:09	03/10/06 09:09	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 09:09	03/10/06 09:09	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 09:09	03/10/06 09:09	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 09:09	03/10/06 09:09	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 09:09	03/10/06 09:09	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:09	03/10/06 09:09	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 09:09	03/10/06 09:09	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:09	03/10/06 09:09	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 09:09	03/10/06 09:09	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 09:09	03/10/06 09:09	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 09:09	03/10/06 09:09	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 09:09	03/10/06 09:09	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 09:09	03/10/06 09:09	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 09:09	03/10/06 09:09	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 09:09	03/10/06 09:09	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 09:09	03/10/06 09:09	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 09:09	03/10/06 09:09	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 09:09	03/10/06 09:09	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 09:09	03/10/06 09:09	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 09:09	03/10/06 09:09	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 09:09	03/10/06 09:09	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 09:09	03/10/06 09:09	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 09:09	03/10/06 09:09	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 09:09	03/10/06 09:09	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:09	03/10/06 09:09	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 09:09	03/10/06 09:09	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 09:09	03/10/06 09:09	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:09	03/10/06 09:09	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 09:09	03/10/06 09:09	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 09:09	03/10/06 09:09	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 09:09	03/10/06 09:09	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 09:09	03/10/06 09:09	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 09:09	03/10/06 09:09	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 09:09	03/10/06 09:09	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 09:09	03/10/06 09:09	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 09:09	03/10/06 09:09	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-12 (AEO 9992)
Matrix	Groundwater
SAL Sample Number	57756.12
Date/Time Collected	02/28/06 09:24
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 09:09	03/10/06 09:09	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 09:09	03/10/06 09:09	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 09:09	03/10/06 09:09	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 09:09	03/10/06 09:09	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 09:09	03/10/06 09:09	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 09:09	03/10/06 09:09	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 09:09	03/10/06 09:09	PB
Field Parameter							
Total Well Depth	ft.	20.21			02/28/06 09:23		LRW
Reference Elevation (Top of Casing)	ft., NGVD	42.09			02/28/06 09:23		LRW
Depth to Water (below Top of Casing)	ft.	11.31	DEP FS2211		02/28/06 09:23		LRW
Specific Conductance	umhos/cm	669	DEP FT1200		02/28/06 09:23		LRW
Water Elevation	ft., NGVD	30.78	DEP FS2211		02/28/06 09:23		LRW
Water Temperature	C	22.5	DEP FT1400		02/28/06 09:23		LRW
pH	Units	6.0	DEP FT1100		02/28/06 09:23		LRW
Dissolved Oxygen	mg/l	0.2	DEP FT1500		02/28/06 09:23		LRW
Turbidity	NTU	4.4	DEP FT1600		02/28/06 09:23		LRW

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-13 (AEO 9993)
Matrix	Groundwater
SAL Sample Number	57756.13
Date/Time Collected	02/28/06 10:01
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 08:44	03/10/06 08:44	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 08:44	03/10/06 08:44	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 08:44	03/10/06 08:44	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 08:44	03/10/06 08:44	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 08:44	03/10/06 08:44	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 08:44	03/10/06 08:44	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 08:44	03/10/06 08:44	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 08:44	03/10/06 08:44	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 08:44	03/10/06 08:44	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 08:44	03/10/06 08:44	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 08:44	03/10/06 08:44	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 08:44	03/10/06 08:44	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 08:44	03/10/06 08:44	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 08:44	03/10/06 08:44	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 08:44	03/10/06 08:44	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 08:44	03/10/06 08:44	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 08:44	03/10/06 08:44	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 08:44	03/10/06 08:44	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 08:44	03/10/06 08:44	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 08:44	03/10/06 08:44	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 08:44	03/10/06 08:44	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 08:44	03/10/06 08:44	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 08:44	03/10/06 08:44	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 08:44	03/10/06 08:44	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 08:44	03/10/06 08:44	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 08:44	03/10/06 08:44	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 08:44	03/10/06 08:44	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 08:44	03/10/06 08:44	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 08:44	03/10/06 08:44	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 08:44	03/10/06 08:44	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 08:44	03/10/06 08:44	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 08:44	03/10/06 08:44	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 08:44	03/10/06 08:44	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 08:44	03/10/06 08:44	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 08:44	03/10/06 08:44	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 08:44	03/10/06 08:44	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 08:44	03/10/06 08:44	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 08:44	03/10/06 08:44	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 08:44	03/10/06 08:44	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 08:44	03/10/06 08:44	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-13 (AEO 9993)**
Matrix	**Groundwater**
SAL Sample Number	**57756.13**
Date/Time Collected	**02/28/06 10:01**
Date/Time Received	**02/28/06 12:52**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 08:44	03/10/06 08:44	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 08:44	03/10/06 08:44	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 08:44	03/10/06 08:44	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 08:44	03/10/06 08:44	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 08:44	03/10/06 08:44	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 08:44	03/10/06 08:44	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 08:44	03/10/06 08:44	PB
Field Parameter							
Total Well Depth	ft.	20.16			02/28/06 10:00		LRW
Reference Elevation (Top of Casing)	ft., NGVD	44.79			02/28/06 10:00		LRW
Depth to Water (below Top of Casing)	ft.	11.94	DEP FS2211		02/28/06 10:00		LRW
Specific Conductance	umhos/cm	2,022	DEP FT1200		02/28/06 10:00		LRW
Water Elevation	ft., NGVD	32.85	DEP FS2211		02/28/06 10:00		LRW
Water Temperature	C	22.8	DEP FT1400		02/28/06 10:00		LRW
pH	Units	6.4	DEP FT1100		02/28/06 10:00		LRW
Dissolved Oxygen	mg/l	0.2	DEP FT1500		02/28/06 10:00		LRW
Turbidity	NTU	4.6	DEP FT1600		02/28/06 10:00		LRW

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5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-14 (AEO 9994)
Matrix	Groundwater
SAL Sample Number	57756.14
Date/Time Collected	02/28/06 10:52
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 08:19	03/10/06 08:19	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 08:19	03/10/06 08:19	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 08:19	03/10/06 08:19	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 08:19	03/10/06 08:19	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 08:19	03/10/06 08:19	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 08:19	03/10/06 08:19	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 08:19	03/10/06 08:19	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 08:19	03/10/06 08:19	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 08:19	03/10/06 08:19	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 08:19	03/10/06 08:19	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 08:19	03/10/06 08:19	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 08:19	03/10/06 08:19	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 08:19	03/10/06 08:19	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 08:19	03/10/06 08:19	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 08:19	03/10/06 08:19	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 08:19	03/10/06 08:19	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 08:19	03/10/06 08:19	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 08:19	03/10/06 08:19	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 08:19	03/10/06 08:19	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 08:19	03/10/06 08:19	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 08:19	03/10/06 08:19	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 08:19	03/10/06 08:19	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 08:19	03/10/06 08:19	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 08:19	03/10/06 08:19	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 08:19	03/10/06 08:19	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 08:19	03/10/06 08:19	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 08:19	03/10/06 08:19	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 08:19	03/10/06 08:19	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 08:19	03/10/06 08:19	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 08:19	03/10/06 08:19	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 08:19	03/10/06 08:19	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 08:19	03/10/06 08:19	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 08:19	03/10/06 08:19	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 08:19	03/10/06 08:19	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 08:19	03/10/06 08:19	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 08:19	03/10/06 08:19	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 08:19	03/10/06 08:19	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 08:19	03/10/06 08:19	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 08:19	03/10/06 08:19	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 08:19	03/10/06 08:19	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-14 (AEO 9994)
Matrix	Groundwater
SAL Sample Number	57756.14
Date/Time Collected	02/28/06 10:52
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 08:19	03/10/06 08:19	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 08:19	03/10/06 08:19	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 08:19	03/10/06 08:19	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 08:19	03/10/06 08:19	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 08:19	03/10/06 08:19	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 08:19	03/10/06 08:19	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 08:19	03/10/06 08:19	PB
Field Parameter							
Total Well Depth	ft.	20.13			02/28/06 10:52		RLP
Reference Elevation (Top of Casing)	ft., NGVD	39.63			02/28/06 10:52		RLP
Depth to Water (below Top of Casing)	ft.	4.73	DEP FS2211		02/28/06 10:52		RLP
Specific Conductance	umhos/cm	2,271	DEP FT1200		02/28/06 10:52		RLP
Water Elevation	ft., NGVD	34.90	DEP FS2211		02/28/06 10:52		RLP
Water Temperature	C	20.3	DEP FT1400		02/28/06 10:52		RLP
pH	Units	6.6	DEP FT1100		02/28/06 10:52		RLP
Dissolved Oxygen	mg/l	2.0	DEP FT1500		02/28/06 10:52		RLP
Turbidity	NTU	0.70	DEP FT1600		02/28/06 10:52		RLP

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March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-15 (AEO 9995)
Matrix	Groundwater
SAL Sample Number	57756.15
Date/Time Collected	02/28/06 10:57
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 07:54	03/10/06 07:54	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 07:54	03/10/06 07:54	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:54	03/10/06 07:54	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 07:54	03/10/06 07:54	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:54	03/10/06 07:54	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 07:54	03/10/06 07:54	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 07:54	03/10/06 07:54	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 07:54	03/10/06 07:54	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 07:54	03/10/06 07:54	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:54	03/10/06 07:54	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 07:54	03/10/06 07:54	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:54	03/10/06 07:54	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:54	03/10/06 07:54	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 07:54	03/10/06 07:54	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 07:54	03/10/06 07:54	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 07:54	03/10/06 07:54	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 07:54	03/10/06 07:54	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 07:54	03/10/06 07:54	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 07:54	03/10/06 07:54	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 07:54	03/10/06 07:54	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 07:54	03/10/06 07:54	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 07:54	03/10/06 07:54	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 07:54	03/10/06 07:54	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 07:54	03/10/06 07:54	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 07:54	03/10/06 07:54	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 07:54	03/10/06 07:54	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 07:54	03/10/06 07:54	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 07:54	03/10/06 07:54	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:54	03/10/06 07:54	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 07:54	03/10/06 07:54	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 07:54	03/10/06 07:54	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:54	03/10/06 07:54	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 07:54	03/10/06 07:54	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 07:54	03/10/06 07:54	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 07:54	03/10/06 07:54	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 07:54	03/10/06 07:54	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 07:54	03/10/06 07:54	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 07:54	03/10/06 07:54	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 07:54	03/10/06 07:54	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:54	03/10/06 07:54	PB

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March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-15 (AEO 9995)
Matrix	Groundwater
SAL Sample Number	57756.15
Date/Time Collected	02/28/06 10:57
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:54	03/10/06 07:54	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 07:54	03/10/06 07:54	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 07:54	03/10/06 07:54	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 07:54	03/10/06 07:54	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 07:54	03/10/06 07:54	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 07:54	03/10/06 07:54	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 07:54	03/10/06 07:54	PB
Field Parameter							
Total Well Depth	ft.	20.06			02/28/06 10:50		LRW
Reference Elevation (Top of Casing)	ft., NGVD	42.33			02/28/06 10:50		LRW
Depth to Water (below Top of Casing)	ft.	6.65	DEP FS2211		02/28/06 10:50		LRW
Specific Conductance	umhos/cm	692	DEP FT1200		02/28/06 10:50		LRW
Water Elevation	ft., NGVD	35.68	DEP FS2211		02/28/06 10:50		LRW
Water Temperature	C	19.7	DEP FT1400		02/28/06 10:50		LRW
pH	Units	6.4	DEP FT1100		02/28/06 10:50		LRW
Dissolved Oxygen	mg/l	0.2	DEP FT1500		02/28/06 10:50		LRW
Turbidity	NTU	1.2	DEP FT1600		02/28/06 10:50		LRW

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Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-16 (AEO 9968)
Matrix	Groundwater
SAL Sample Number	57756.16
Date/Time Collected	02/27/06 07:44
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 07:29	03/10/06 07:29	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 07:29	03/10/06 07:29	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:29	03/10/06 07:29	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 07:29	03/10/06 07:29	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:29	03/10/06 07:29	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 07:29	03/10/06 07:29	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 07:29	03/10/06 07:29	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 07:29	03/10/06 07:29	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 07:29	03/10/06 07:29	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:29	03/10/06 07:29	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 07:29	03/10/06 07:29	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:29	03/10/06 07:29	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:29	03/10/06 07:29	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 07:29	03/10/06 07:29	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 07:29	03/10/06 07:29	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 07:29	03/10/06 07:29	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 07:29	03/10/06 07:29	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 07:29	03/10/06 07:29	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 07:29	03/10/06 07:29	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 07:29	03/10/06 07:29	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 07:29	03/10/06 07:29	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 07:29	03/10/06 07:29	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 07:29	03/10/06 07:29	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 07:29	03/10/06 07:29	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 07:29	03/10/06 07:29	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 07:29	03/10/06 07:29	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 07:29	03/10/06 07:29	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 07:29	03/10/06 07:29	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:29	03/10/06 07:29	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 07:29	03/10/06 07:29	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 07:29	03/10/06 07:29	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:29	03/10/06 07:29	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 07:29	03/10/06 07:29	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 07:29	03/10/06 07:29	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 07:29	03/10/06 07:29	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 07:29	03/10/06 07:29	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 07:29	03/10/06 07:29	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 07:29	03/10/06 07:29	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 07:29	03/10/06 07:29	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:29	03/10/06 07:29	PB

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-16 (AEO 9968)
Matrix	Groundwater
SAL Sample Number	57756.16
Date/Time Collected	02/27/06 07:44
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:29	03/10/06 07:29	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 07:29	03/10/06 07:29	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 07:29	03/10/06 07:29	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 07:29	03/10/06 07:29	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 07:29	03/10/06 07:29	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 07:29	03/10/06 07:29	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 07:29	03/10/06 07:29	PB
Field Parameter							
Total Well Depth	ft.	19.89			02/27/06 07:41		BJD
Reference Elevation (Top of Casing)	ft., NGVD	44.41			02/27/06 07:41		BJD
Depth to Water (below Top of Casing)	ft.	8.10	DEP FS2211		02/27/06 07:41		BJD
Specific Conductance	umhos/cm	580	DEP FT1200		02/27/06 07:41		BJD
Water Elevation	ft., NGVD	36.31	DEP FS2211		02/27/06 07:41		BJD
Water Temperature	C	22.5	DEP FT1400		02/27/06 07:41		BJD
pH	Units	6.5	DEP FT1100		02/27/06 07:41		BJD
Dissolved Oxygen	mg/l	0.1	DEP FT1500		02/27/06 07:41		BJD
Turbidity	NTU	14	DEP FT1600		02/27/06 07:41		BJD

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-17 (AEO 9969)
Matrix	Groundwater
SAL Sample Number	57756.17
Date/Time Collected	02/27/06 07:17
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 07:05	03/10/06 07:05	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 07:05	03/10/06 07:05	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:05	03/10/06 07:05	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 07:05	03/10/06 07:05	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:05	03/10/06 07:05	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 07:05	03/10/06 07:05	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 07:05	03/10/06 07:05	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 07:05	03/10/06 07:05	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 07:05	03/10/06 07:05	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:05	03/10/06 07:05	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 07:05	03/10/06 07:05	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:05	03/10/06 07:05	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 07:05	03/10/06 07:05	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 07:05	03/10/06 07:05	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 07:05	03/10/06 07:05	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 07:05	03/10/06 07:05	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 07:05	03/10/06 07:05	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 07:05	03/10/06 07:05	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 07:05	03/10/06 07:05	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 07:05	03/10/06 07:05	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 07:05	03/10/06 07:05	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 07:05	03/10/06 07:05	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 07:05	03/10/06 07:05	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 07:05	03/10/06 07:05	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 07:05	03/10/06 07:05	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 07:05	03/10/06 07:05	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 07:05	03/10/06 07:05	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 07:05	03/10/06 07:05	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:05	03/10/06 07:05	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 07:05	03/10/06 07:05	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 07:05	03/10/06 07:05	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:05	03/10/06 07:05	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 07:05	03/10/06 07:05	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 07:05	03/10/06 07:05	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 07:05	03/10/06 07:05	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 07:05	03/10/06 07:05	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 07:05	03/10/06 07:05	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 07:05	03/10/06 07:05	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 07:05	03/10/06 07:05	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 07:05	03/10/06 07:05	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	GW-17 (AEO 9969)
Matrix	Groundwater
SAL Sample Number	57756.17
Date/Time Collected	02/27/06 07:17
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 07:05	03/10/06 07:05	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 07:05	03/10/06 07:05	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 07:05	03/10/06 07:05	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 07:05	03/10/06 07:05	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 07:05	03/10/06 07:05	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 07:05	03/10/06 07:05	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 07:05	03/10/06 07:05	PB
Field Parameter							
Total Well Depth	ft.	20.83			02/27/06 07:14		BJD
Reference Elevation (Top of Casing)	ft., NGVD	42.19			02/27/06 07:14		BJD
Depth to Water (below Top of Casing)	ft.	8.38	DEP FS2211		02/27/06 07:14		BJD
Specific Conductance	umhos/cm	130	DEP FT1200		02/27/06 07:14		BJD
Water Elevation	ft., NGVD	33.81	DEP FS2211		02/27/06 07:14		BJD
Water Temperature	C	21.8	DEP FT1400		02/27/06 07:14		BJD
pH	Units	5.5	DEP FT1100		02/27/06 07:14		BJD
Dissolved Oxygen	mg/l	0.3	DEP FT1500		02/27/06 07:14		BJD
Turbidity	NTU	13	DEP FT1600		02/27/06 07:14		BJD

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**BGW-1 (AEO 9996)**
Matrix	**Groundwater**
SAL Sample Number	**57756.18**
Date/Time Collected	**02/28/06 11:22**
Date/Time Received	**02/28/06 12:52**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 06:40	03/10/06 06:40	PB
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 06:40	03/10/06 06:40	PB
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 06:40	03/10/06 06:40	PB
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 06:40	03/10/06 06:40	PB
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 06:40	03/10/06 06:40	PB
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 06:40	03/10/06 06:40	PB
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 06:40	03/10/06 06:40	PB
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 06:40	03/10/06 06:40	PB
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 06:40	03/10/06 06:40	PB
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 06:40	03/10/06 06:40	PB
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 06:40	03/10/06 06:40	PB
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 06:40	03/10/06 06:40	PB
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 06:40	03/10/06 06:40	PB
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 06:40	03/10/06 06:40	PB
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 06:40	03/10/06 06:40	PB
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 06:40	03/10/06 06:40	PB
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	03/10/06 06:40	03/10/06 06:40	PB
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 06:40	03/10/06 06:40	PB
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 06:40	03/10/06 06:40	PB
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 06:40	03/10/06 06:40	PB
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 06:40	03/10/06 06:40	PB
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 06:40	03/10/06 06:40	PB
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 06:40	03/10/06 06:40	PB
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 06:40	03/10/06 06:40	PB
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 06:40	03/10/06 06:40	PB
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 06:40	03/10/06 06:40	PB
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 06:40	03/10/06 06:40	PB
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 06:40	03/10/06 06:40	PB
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 06:40	03/10/06 06:40	PB
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 06:40	03/10/06 06:40	PB
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 06:40	03/10/06 06:40	PB
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 06:40	03/10/06 06:40	PB
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 06:40	03/10/06 06:40	PB
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 06:40	03/10/06 06:40	PB
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 06:40	03/10/06 06:40	PB
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 06:40	03/10/06 06:40	PB
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 06:40	03/10/06 06:40	PB
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 06:40	03/10/06 06:40	PB
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 06:40	03/10/06 06:40	PB
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 06:40	03/10/06 06:40	PB

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Project Name	Groundwater Monitoring Well Analyses - Lena Road Landfill
Sample Description	BGW-1 (AEO 9996)
Matrix	Groundwater
SAL Sample Number	57756.18
Date/Time Collected	02/28/06 11:22
Date/Time Received	02/28/06 12:52

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 06:40	03/10/06 06:40	PB
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 06:40	03/10/06 06:40	PB
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 06:40	03/10/06 06:40	PB
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 06:40	03/10/06 06:40	PB
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 06:40	03/10/06 06:40	PB
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 06:40	03/10/06 06:40	PB
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 06:40	03/10/06 06:40	PB
Field Parameter							
Total Well Depth	ft.	20.30			02/28/06 11:21		LRW
Depth to Water (below Top of Casing)	ft.	6.19	DEP FS2211		02/28/06 11:21		LRW
Specific Conductance	umhos/cm	635	DEP FT1200		02/28/06 11:21		LRW
Water Temperature	C	23.3	DEP FT1400		02/28/06 11:21		LRW
pH	Units	6.1	DEP FT1100		02/28/06 11:21		LRW
Dissolved Oxygen	mg/l	0.3	DEP FT1500		02/28/06 11:21		LRW
Turbidity	NTU	8.7	DEP FT1600		02/28/06 11:21		LRW

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 22, 2006
Project No: 57756

Laboratory Report

Footnotes

*	Test results presented in this report meet all the requirements of the NELAC standards.
**	A statement of estimated uncertainty of test results is available upon request.
I,S13	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. Analysis subcontracted to STL, FDOH Cert. No. E84282.
S13	Analysis subcontracted to STL, FDOH Cert. No. E84282.
U,S13	Analyte was not detected; indicated concentration is method detection limit. Analysis subcontracted to STL, FDOH Cert. No. E84282.

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 57756

Client Name: Manatee County Utility Operations

Project Name / Location: Groundwater Monitoring Well Analyses - Lena Road Landfill

Contact / Phone: Jeff Goodwin 941/792-8811

Samplers: (Signature) Larry R. Ward

Turn Around Time Requested (*Surcharges may apply): 24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☑

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	40mL V, HCl 40 CFR Part 258 Appendix I Organics					Field Parameters			
01	GW-1	2/27/06	0709	GW		X	3					See Field Sheet			
02	GW-2		0754	GW		X	3					See Field Sheet			
03	GW-3		0840	GW		X	3					See Field Sheet			
04	GW-4		0918	GW		X	3					See Field Sheet			
05	GW-5		0954	GW		X	3					See Field Sheet			
06	GW-6		1035	GW		X	3					See Field Sheet			
07	GW-7		1107	GW		X	3					See Field Sheet			
08	GW-8	2/28/06	0646	GW		X	3					See Field Sheet			
09	GW-9		0719	GW		X	3					See Field Sheet			
10	GW-10		0800	GW		X	3					See Field Sheet			
11	GW-11		0859	GW		X	3					See Field Sheet			
12	GW-12		0924	GW		X	3					See Field Sheet			

Relinquished:	Date/Time:	Received:	Date/Time:
Containers Prepared/ Relinquished: Garnet Heffin	2-27-06 1310	Larry R. Ward	2/26/06 1500
01-07 Relinquished: Larry R. Ward	2/27/06 1300	Received: [signature]	Date/Time: 1300 2/27/06
08-12 Relinquished: Larry Ward	2/28/06 1252	Received: [signature]	Date/Time: 1252 2/28/06
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N (N/A)

Samples intact upon arrival? (Y) N N/A

Received on ice? Temp_____ (Y) N N/A

Proper preservatives indicated? (Y) N N/A

Rec'd within holding time? (Y) N N/A

Volatiles rec'd w/out headspace? (Y) N N/A

Proper containers used? (Y) N N/A

Instructions / Remarks

Field Parameters: Static Water Level, Specific Conductance, pH, Dissolved Oxygen, Turbidity, Colors & Sheens, Termperature

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SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. _____

Client Name: Manatee County Utility Operations

Contact / Phone: Jeff Goodwin 941/792-8811

Project Name / Location: Groundwater Monitoring Well Analyses - Lena Road Landfill

Turn Around Time Requested (*Surcharges may apply): 24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☑

Samplers: (Signature) [signature]

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250mL P, Cool 4°C Chloride	250mL P, Cool 4°C Nitrate	250mL P, Cool 4°C TDS	250mL P, H_2SO_4 Ammonia	250mL P, HNO_3 Metals*, Na, Fe, Hg				
13	GW-13 9993	2/28/06	10:01	GW		X	1	1	1	1	2				
14	GW-14 9994	↓	10:52	GW		X	1	1	1	1	2				
15	GW-15 9995	↓	10:57	GW		X	1	1	1	1	2				
16	GW-16 9968	2/27/06	0744	GW		X	1	1	1	1	2				
17	GW-17 9969	↓	0717	GW		X	1	1	1	1	2				
18	BGW-1 9996	2/28/06	11:22	GW		X	1	1	1	1	2				

Samples to be delivered to MCUOD Central Laboratory.

Relinquished	Date/Time	Received	Date/Time
Containers Prepared/ Relinquished: James Huffin	2-21-06 1345	Larry R. Ward	2/22/06 1500
Relinquished: Larry R. Ward	2/27/06 1120	Received: [signature]	1120 2/27/06
Relinquished: [signature]	Date/Time: 2/27/06	Received: [signature]	Date/Time: 2/27/06 12:40
Relinquished: [signature]	Date/Time: 2/28/06 1425	Received: [signature]	Date/Time: 2-28-06 1425
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N N/A

Samples intact upon arrival? Y N N/A

Received on ice? Temp 1°C (Y) N N/A

Proper preservatives indicated? Y N N/A

Rec'd within holding time? Y N N/A

Volatiles rec'd w/out headspace? Y N N/A

Proper containers used? Y N N/A

Instructions / Remarks

*** 40 CFR Part 258 Appendix I Metals**

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+ metal sample NOT <2; Added HNO_3 in Lab. LSK 2-28-06

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. _____

Client Name: Manatee County Utility Operations

Contact / Phone: Jeff Goodwin 941/792-8811 ext. 5235

Project Name / Location: Groundwater Monitoring Well Analyses - Lena Road Landfill

Turn Around Time Requested (*Surcharges may apply): 24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☑

Samplers: (Signature) Larry R. Ward, Brian Q. [illegible]

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250mL P, Cool 4°C Chloride	250mL P, Cool 4°C Nitrate	250mL P, Cool 4°C TDS	250mL P, H_2SO_4 Ammonia	250mL P, HNO_3 Metals*, Na, Fe, Hg				
01	GW-1 9961	2/27/06	0709	GW		X	1	1	1	1	2				
02	GW-2 9962		0754	GW		X	1	1	1	1	2				
03	GW-3 9963		0840	GW		X	1	1	1	1	2				
04	GW-4 9964		0918	GW		X	1	1	1	1	2				
05	GW-5 9965		0954	GW		X	1	1	1	1	2				
06	GW-6 9966		1034	GW		X	1	1	1	1	2				
07	GW-7 9967		1105	GW		X	1	1	1	1	2				
08	GW-8 9968	2/28/06	0646	GW		X	1	1	1	1	2				
09	GW-9 9969		0719	GW		X	1	1	1	1	2				
10	GW-10 9970		0800	GW		X	1	1	1	1	2				
11	GW-11 9971		0859	GW		X	1	1	1	1	2				
12	GW-12 9972		0924	GW		X	1	1	1	1	2				

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Jamet Huffman	2-21-06 1345	Larry R. Ward	2/26/06 1500
Larry R. Ward	2/27/06 1120	[illegible]	2/27/06 1120
[illegible]	2/27/06	[illegible]	2/27/06 12:40
[illegible]	2/28/06 1425	[illegible]	2/28/06 1435
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N N/A

Samples intact upon arrival? Y N N/A

Received on ice? Temp. 1.2 pc (Y) N N/A

Proper preservatives indicated? Y N N/A

Rec'd within holding time? Y N N/A

Volatiles rec'd w/out headspace? Y N N/A

Proper containers used? Y N N/A

Instructions / Remarks

*** 40 CFR Part 258 Appendix I Metals**

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SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 57756

Client Name: Manatee County Utility Operations

Contact / Phone: Jeff Goodwin 941/792-8811 ext. 5235

Project Name / Location: Groundwater Monitoring Well Analyses - Lena Road Landfill

Turn Around Time Requested (*Surcharges may apply): 24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☑

Samplers: (Signature) Larry Ward

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	40mL V, HCl 40 CFR Part 258 Appendix I Organics					Field Parameters			
13	GW-13	2/28/06	10:01	GW		X	3					See Field Sheet			
14	GW-14	↓	1052	GW		X	3					See Field Sheet			
15	GW-15	↓	1057	GW		X	3					See Field Sheet			
16	GW-16	2/27/06	0744	GW		X	3					See Field Sheet			
17	GW-17	↓	0717	GW		X	3					See Field Sheet			
18	BGW-1	2/28/02	11:22	GW		X	3					See Field Sheet			
19	Trip Blank	2-21-06	1310	R		X	1								

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Pamela Huffin	2-21-06 1310	Larry R. Ward	2/24/06 1500
Relinquished: Larry R. Ward (.16-.17)	Date/Time: 2/27/06 1300	Received: LMN	Date/Time: 1300 2/27/06
Relinquished: Larry Ward (.13-.15, .18)	Date/Time: 2/28/06 1252	Received: LMN	Date/Time: 1252 2/28/06
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N N/A

Samples intact upon arrival? Y N N/A

Received on ice? Temp_____ Y N N/A

Proper preservatives indicated? Y N N/A

Rec'd within holding time? Y N N/A

Volatiles rec'd w/out headspace? Y N N/A

Proper containers used? Y N N/A

Instructions / Remarks

Field Parameters: Static Water Level, Specific Conductance, pH, Dissolved Oxygen, Turbidity, Colors & Sheens, Termperature

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