REPORT OF ANALYSIS

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

4/24/06 RESAMPLE @ MW-11

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USEPA LAB CODE: FL00031
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MCUOD Solid Waste Division
4410 66th Street West
Bradenton, FL 34210

SAMPLE RECEIPT DATE: 04/24/2006
REPORT DATE: 5/11/2006
PROJECT NAME: Lena GW-11

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

ACCREDITED IN ACCORDANCE WITH nelac

APRIL 2006 INITIAL SAMP. EVENT AT GW-11

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Sample ID	**AE10795**	**Collection Date / Time**			**04/24/2006 07:22**			
Sample Point		**Lena Road Monitoring Well GW-11**						
Chloride by Ion Chromatography	EPA 300.0	46.8	mg/L		04/27/2006	21:15	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	04/25/2006	10:22	0.006	0.025	EMM
Metals by 200.7									
Cadmium	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.0005	0.002	WWC
Arsenic	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.007	0.021	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.0002	0.0006	WWC
Zinc	EPA 200.7	0.159	mg/L		04/28/2006	13:44	0.010	0.030	WWC
Chromium	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.001	0.003	WWC
Cobalt	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.001	0.003	WWC
Copper	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.005	0.015	WWC
Iron	EPA 200.7	6.35	mg/L		04/28/2006	13:44	0.010	0.030	WWC
Lead	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.005	0.015	WWC
Nickel	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.001	0.003	WWC
Silver	EPA 200.7	< MDL	mg/L	U	04/28/2006	13:44	0.002	0.006	WWC
Sodium	EPA 200.7	40.1	mg/L		04/28/2006	13:44	0.500	1.50	WWC
Vanadium	EPA 200.7	0.001	mg/L	I	04/28/2006	13:44	0.0005	0.002	WWC
Barium	EPA 200.7	0.010	mg/L		04/28/2006	13:44	0.0005	0.002	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	05/10/2006	10:25	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.003	mg/L	I	05/02/2006	12:05	0.0015	0.006	WWC
Selenium by GFAAS	EPA 270.2	0.002	mg/L		05/09/2006	12:17	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	05/03/2006	12:45	0.0004	0.002	WWC
Ammonia	EPA 350.1	1.39	mg/L		04/25/2006	13:05	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	434	mg/L		04/27/2006	11:00	2.50	7.50	LSK

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6437		**QA Sample ID AE10713**						
amples AE10795								
Method Blank for Metals by 200.7								
enic		< MDL	mg/L	U	04/28/2006 12:18			WWC
Manganese		< MDL	mg/L	U	04/28/2006 12:18			WWC
minum		< MDL	mg/L	U	04/28/2006 12:18			WWC
ium		< MDL	mg/L	U	04/28/2006 12:18			WWC
Beryllium		< MDL	mg/L	U	04/28/2006 12:18			WWC
mium		< MDL	mg/L	U	04/28/2006 12:18			WWC
Calcium		< MDL	mg/L	U	04/28/2006 12:18			WWC
omium		< MDL	mg/L	U	04/28/2006 12:18			WWC
Cobalt		< MDL	mg/L	U	04/28/2006 12:18			WWC
pper		< MDL	mg/L	U	04/28/2006 12:18			WWC
kel		< MDL	mg/L	U	04/28/2006 12:18			WWC
Lead		< MDL	mg/L	U	04/28/2006 12:18			WWC
gnesium		<MDL	mg/L	U	04/28/2006 12:18			WWC
Zinc		< MDL	mg/L	U	04/28/2006 12:18			WWC
adium		< MDL	mg/L	U	04/28/2006 12:18			WWC
Sodium		< MDL	mg/L	U	04/28/2006 12:18			WWC
er		< MDL	mg/L	U	04/28/2006 12:18			WWC
enium		< MDL	mg/L	U	04/28/2006 12:18			WWC
Molybdenum		< MDL	mg/L	U	04/28/2006 12:18			WWC
		< MDL	mg/L	U	04/28/2006 12:18			WWC
Continuing Cal. Blank for Metals by 200.								
		< MDL	mg/L	U	04/28/2006 14:27			WWC
Copper		< MDL	mg/L	U	04/28/2006 14:27			WWC
balt		< MDL	mg/L	U	04/28/2006 14:27			WWC
omium		< MDL	mg/L	U	04/28/2006 14:27			WWC
Calcium		< MDL	mg/L	U	04/28/2006 14:27			WWC
d		< MDL	mg/L	U	04/28/2006 14:27			WWC
Beryllium		< MDL	mg/L	U	04/28/2006 14:27			WWC
ium		< MDL	mg/L	U	04/28/2006 14:27			WWC
Cadmium		< MDL	mg/L	U	04/28/2006 14:27			WWC
gnesium		< MDL	mg/L	U	04/28/2006 14:27			WWC
nganese		< MDL	mg/L	U	04/28/2006 14:27			WWC
Molybdenum		< MDL	mg/L	U	04/28/2006 14:27			WWC
kel		< MDL	mg/L	U	04/28/2006 14:27			WWC
Zinc		< MDL	mg/L	U	04/28/2006 14:27			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6437		**QA Sample ID AE10713**						
Samples AE10795								
Continuing Cal. Blank for Metals by 200.								
Silver		< MDL	mg/L	U	04/28/2006 14:27			WWC
Vanadium		< MDL	mg/L	U	04/28/2006 14:27			WWC
Barium		< MDL	mg/L	U	04/28/2006 14:27			WWC
Aluminum		< MDL	mg/L	U	04/28/2006 14:27			WWC
Selenium		< MDL	mg/L	U	04/28/2006 14:27			WWC
Arsenic		< MDL	mg/L	U	04/28/2006 14:27			WWC
Continuous Calibration for Metals by 200								
Lead		2.08	mg/L		04/28/2006 14:11			WWC
Arsenic		2.04	mg/L		04/28/2006 14:11			WWC
Barium		1.06	mg/L		04/28/2006 14:11			WWC
Beryllium		0.527	mg/L		04/28/2006 14:11			WWC
Cadmium		2.05	mg/L		04/28/2006 14:11			WWC
Calcium		49.9	mg/L		04/28/2006 14:11			WWC
Chromium		2.15	mg/L		04/28/2006 14:11			WWC
Cobalt		2.06	mg/L		04/28/2006 14:11			WWC
Iron		10.2	mg/L		04/28/2006 14:11			WWC
Aluminum		5.07	mg/L		04/28/2006 14:11			WWC
Magnesium		48.1	mg/L		04/28/2006 14:11			WWC
Manganese		2.07	mg/L		04/28/2006 14:11			WWC
Molybdenum		2.11	mg/L		04/28/2006 14:11			WWC
Zinc		1.95	mg/L		04/28/2006 14:11			WWC
Vanadium		1.85	mg/L		04/28/2006 14:11			WWC
Sodium		99.3	mg/L		04/28/2006 14:11			WWC
Silver		0.509	mg/L		04/28/2006 14:11			WWC
Selenium		2.16	mg/L		04/28/2006 14:11			WWC
Copper		2.11	mg/L		04/28/2006 14:11			WWC
Nickel		2.12	mg/L		04/28/2006 14:11			WWC
Cont Calb Rec for Metals by 200.7								
Magnesium		96.2	%		05/04/2006 14:03			WWC
Beryllium		105	%		05/04/2006 14:03			WWC
Vanadium		92.5	%		05/04/2006 14:03			WWC
Sodium		99.3	%		05/04/2006 14:03			WWC
Silver		102	%		05/04/2006 14:03			WWC
Selenium		108	%		05/04/2006 14:03			WWC
Nickel		106	%		05/04/2006 14:03			WWC
Aluminum		101	%		05/04/2006 14:03			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6437		**QA Sample ID AE10713**						
Samples AE10795								
Cont Calb Rec for Metals by 200.7								
Manganese		104	%		05/04/2006 14:03			WWC
rium		106	%		05/04/2006 14:03			WWC
ead		104	%		05/04/2006 14:03			WWC
ron		102	%		05/04/2006 14:03			WWC
pper		106	%		05/04/2006 14:03			WWC
Cobalt		103	%		05/04/2006 14:03			WWC
romium		108	%		05/04/2006 14:03			WWC
Calcium		99.8	%		05/04/2006 14:03			WWC
dmium		102	%		05/04/2006 14:03			WWC
Zinc		97.5	%		05/04/2006 14:03			WWC
olybdenum		106	%		05/04/2006 14:03			WWC
senic		102	%		05/04/2006 14:03			WWC
Sample Dup for Metals by 200.7								
c		0.025	mg/L	I	04/28/2006 12:58			WWC
Magnesium		27.7	mg/L		04/28/2006 12:58			WWC
nganese		0.026	mg/L		04/28/2006 12:58			WWC
olybdenum		< MDL	mg/L	U	04/28/2006 12:58			WWC
Nickel		0.003	mg/L		04/28/2006 12:58			WWC
lenium		0.011	mg/L	I	04/28/2006 12:58			WWC
Silver		< MDL	mg/L	U	04/28/2006 12:58			WWC
dium		173	mg/L		04/28/2006 12:58			WWC
Vanadium		0.002	mg/L		04/28/2006 12:58			WWC
uminum		0.005	mg/L	I	04/28/2006 12:58			WWC
eryllium		< MDL	mg/L	U	04/28/2006 12:58			WWC
senic		0.008	mg/L	I	04/28/2006 12:58			WWC
dmium		< MDL	mg/L	U	04/28/2006 12:58			WWC
Calcium		65.7	mg/L		04/28/2006 12:58			WWC
romium		< MDL	mg/L	U	04/28/2006 12:58			WWC
Cobalt		< MDL	mg/L	U	04/28/2006 12:58			WWC
pper		0.006	mg/L	I	04/28/2006 12:58			WWC
ron		0.190	mg/L		04/28/2006 12:58			WWC
ead		< MDL	mg/L	U	04/28/2006 12:58			WWC
rium		0.007	mg/L		04/28/2006 12:58			WWC
Initial Calibration for Metals by 200.7								
lybdenum		1.04	mg/L		04/28/2006 12:31			WWC
Lead		1.05	mg/L		04/28/2006 12:31			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6437		**QA Sample ID AE10713**						
Samples AE10795								
Initial Calibration for Metals by 200.7								
Zinc		1.03	mg/L		04/28/2006 12:31			WWC
Vanadium		1.04	mg/L		04/28/2006 12:31			WWC
Sodium		51.1	mg/L		04/28/2006 12:31			WWC
Silver		0.258	mg/L		04/28/2006 12:31			WWC
Nickel		1.02	mg/L		04/28/2006 12:31			WWC
Manganese		1.03	mg/L		04/28/2006 12:31			WWC
Magnesium		25.1	mg/L		04/28/2006 12:31			WWC
Beryllium		0.258	mg/L		04/28/2006 12:31			WWC
Selenium		1.04	mg/L		04/28/2006 12:31			WWC
Arsenic		0.997	mg/L		04/28/2006 12:31			WWC
Iron		5.17	mg/L		04/28/2006 12:31			WWC
Barium		0.507	mg/L		04/28/2006 12:31			WWC
Cadmium		1.01	mg/L		04/28/2006 12:31			WWC
Calcium		25.3	mg/L		04/28/2006 12:31			WWC
Aluminum		2.59	mg/L		04/28/2006 12:31			WWC
Chromium		1.03	mg/L		04/28/2006 12:31			WWC
Cobalt		1.02	mg/L		04/28/2006 12:31			WWC
Copper		1.03	mg/L		04/28/2006 12:31			WWC
Int Calb Rec for Metals by 200.7								
Beryllium		103	%		05/04/2006 14:03			WWC
Iron		103	%		05/04/2006 14:03			WWC
Manganese		103	%		05/04/2006 14:03			WWC
Magnesium		100	%		05/04/2006 14:03			WWC
Nickel		102	%		05/04/2006 14:03			WWC
Lead		105	%		05/04/2006 14:03			WWC
Molybdenum		104	%		05/04/2006 14:03			WWC
Copper		103	%		05/04/2006 14:03			WWC
Cobalt		102	%		05/04/2006 14:03			WWC
Chromium		103	%		05/04/2006 14:03			WWC
Cadmium		101	%		05/04/2006 14:03			WWC
Barium		101	%		05/04/2006 14:03			WWC
Arsenic		99.7	%		05/04/2006 14:03			WWC
Aluminum		104	%		05/04/2006 14:03			WWC
Selenium		104	%		05/04/2006 14:03			WWC
Vanadium		104	%		05/04/2006 14:03			WWC
Calcium		101	%		05/04/2006 14:03			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6437		QA Sample ID AE10713						
Samples AE10795								
Lot Calb Rec for Metals by 200.7								
Sodium		102	%		05/04/2006 14:03			WWC
Zinc		103	%		05/04/2006 14:03			WWC
Silver		103	%		05/04/2006 14:03			WWC
Metals by 200.7								
Copper		0.006	mg/L	I	04/28/2006 12:51			WWC
Aluminum		0.005	mg/L	I	04/28/2006 12:51			WWC
Vanadium		0.002	mg/L		04/28/2006 12:51			WWC
Beryllium		< MDL	mg/L	U	04/28/2006 12:51			WWC
Cadmium		< MDL	mg/L	U	04/28/2006 12:51			WWC
Calcium		66.0	mg/L		04/28/2006 12:51			WWC
Arsenic		0.008	mg/L	I	04/28/2006 12:51			WWC
Cobalt		< MDL	mg/L	U	04/28/2006 12:51			WWC
Barium		0.007	mg/L		04/28/2006 12:51			WWC
Iron		0.191	mg/L		04/28/2006 12:51			WWC
Magnesium		27.6	mg/L		04/28/2006 12:51			WWC
Manganese		0.026	mg/L		04/28/2006 12:51			WWC
Molybdenum		< MDL	mg/L	U	04/28/2006 12:51			WWC
Nickel		0.003	mg/L		04/28/2006 12:51			WWC
Selenium		< MDL	mg/L	U	04/28/2006 12:51			WWC
Silver		< MDL	mg/L	U	04/28/2006 12:51			WWC
Sodium		172	mg/L		04/28/2006 12:51			WWC
Lead		< MDL	mg/L	U	04/28/2006 12:51			WWC
Chromium		< MDL	mg/L	U	04/28/2006 12:51			WWC
Zinc		0.026	mg/L	I	04/28/2006 12:51			WWC
LCS Result for Metals by 200.7								
Nickel		1.02	mg/L		04/28/2006 12:37			WWC
Lead		1.00	mg/L		04/28/2006 12:37			WWC
Magnesium		24.1	mg/L		04/28/2006 12:37			WWC
Zinc		1.00	mg/L		04/28/2006 12:37			WWC
Vanadium		0.993	mg/L		04/28/2006 12:37			WWC
Sodium		45.7	mg/L		04/28/2006 12:37			WWC
Silver		0.250	mg/L		04/28/2006 12:37			WWC
Selenium		1.01	mg/L		04/28/2006 12:37			WWC
Molybdenum		1.00	mg/L		04/28/2006 12:37			WWC
Iron		4.99	mg/L		04/28/2006 12:37			WWC
Copper		1.00	mg/L		04/28/2006 12:37			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6437		QA Sample ID AE10713						
Samples AE10795								
LCS Result for Metals by 200.7								
Cobalt		0.972	mg/L		04/28/2006 12:37			WWC
Chromium		0.993	mg/L		04/28/2006 12:37			WWC
Calcium		24.2	mg/L		04/28/2006 12:37			WWC
Cadmium		0.988	mg/L		04/28/2006 12:37			WWC
Beryllium		0.256	mg/L		04/28/2006 12:37			WWC
Barium		0.498	mg/L		04/28/2006 12:37			WWC
Aluminum		2.44	mg/L		04/28/2006 12:37			WWC
Manganese		0.993	mg/L		04/28/2006 12:37			WWC
Arsenic		0.990	mg/L		04/28/2006 12:37			WWC
LCS Recovery for Metals by 200.7								
Beryllium		102	%		05/04/2006 14:03			WWC
Vanadium		99.3	%		05/04/2006 14:03			WWC
Aluminum		97.6	%		05/04/2006 14:03			WWC
Arsenic		99.0	%		05/04/2006 14:03			WWC
Zinc		100	%		05/04/2006 14:03			WWC
Sodium		91.4	%		05/04/2006 14:03			WWC
Silver		100	%		05/04/2006 14:03			WWC
Selenium		101	%		05/04/2006 14:03			WWC
Nickel		102	%		05/04/2006 14:03			WWC
Molybdenum		100	%		05/04/2006 14:03			WWC
Manganese		99.3	%		05/04/2006 14:03			WWC
Calcium		96.8	%		05/04/2006 14:03			WWC
Lead		100	%		05/04/2006 14:03			WWC
Iron		99.8	%		05/04/2006 14:03			WWC
Copper		100	%		05/04/2006 14:03			WWC
Cobalt		97.2	%		05/04/2006 14:03			WWC
Chromium		99.3	%		05/04/2006 14:03			WWC
Cadmium		98.8	%		05/04/2006 14:03			WWC
Magnesium		96.4	%		05/04/2006 14:03			WWC
Barium		99.6	%		05/04/2006 14:03			WWC
Samp Dup Precision for Metals by 200.7								
Iron		0.525	%		04/28/2006 12:51			WWC
Magnesium		0.362	%		04/28/2006 12:51			WWC
Copper		0.00	%		04/28/2006 12:51			WWC
Nickel		0.00	%		04/28/2006 12:51			WWC
Beryllium		0.00	%		04/28/2006 12:51			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6437		QA Sample ID AE10713						
Samples AE10795								
Samp Dup Precision for Metals by 200.7								
Selenium		NO RESULT	%		04/28/2006 12:51			WWC
Molybdenum		0.00	%		04/28/2006 12:51			WWC
Cobalt		0.00	%		04/28/2006 12:51			WWC
Chromium		0.00	%		04/28/2006 12:51			WWC
Aluminum		0.00	%		04/28/2006 12:51			WWC
Cadmium		0.00	%		04/28/2006 12:51			WWC
Barium		0.00	%		04/28/2006 12:51			WWC
Arsenic		0.00	%		04/28/2006 12:51			WWC
Silver		0.00	%		04/28/2006 12:51			WWC
Manganese		0.00	%		04/28/2006 12:51			WWC
Calcium		0.456	%		04/28/2006 12:51			WWC
Vanadium		0.00	%		04/28/2006 12:51			WWC
Zinc		3.92	%		04/28/2006 12:51			WWC
Sodium		0.580	%		04/28/2006 12:51			WWC
Lead		0.00	%		04/28/2006 12:51			WWC
LCS Recovery for Metals by 200.7								
Chromium		98.6	%		05/04/2006 14:03			WWC
Nickel		97.9	%		05/04/2006 14:03			WWC
Manganese		99.4	%		05/04/2006 14:03			WWC
Magnesium		99.2	%		05/04/2006 14:03			WWC
Lead		97.9	%		05/04/2006 14:03			WWC
Iron		99.8	%		05/04/2006 14:03			WWC
Silver		101	%		05/04/2006 14:03			WWC
Cobalt		96.9	%		05/04/2006 14:03			WWC
Selenium		102	%		05/04/2006 14:03			WWC
Calcium		97.6	%		05/04/2006 14:03			WWC
Cadmium		96.9	%		05/04/2006 14:03			WWC
Beryllium		101	%		05/04/2006 14:03			WWC
Barium		98.4	%		05/04/2006 14:03			WWC
Arsenic		98.2	%		05/04/2006 14:03			WWC
Aluminum		98.2	%		05/04/2006 14:03			WWC
Copper		101	%		05/04/2006 14:03			WWC
Vanadium		99.7	%		05/04/2006 14:03			WWC
Zinc		98.4	%		05/04/2006 14:03			WWC
Sodium		104	%		05/04/2006 14:03			WWC
Molybdenum		98.3	%		05/04/2006 14:03			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6437		**QA Sample ID AE10713**						
Samples AE10795								
MS Result for Metals by 200.7								
Cobalt		0.969	mg/L		04/28/2006 13:04			WWC
nc		1.01	mg/L		04/28/2006 13:04			WWC
Vanadium		0.999	mg/L		04/28/2006 13:04			WWC
dium		224	mg/L		04/28/2006 13:04			WWC
ver		0.252	mg/L		04/28/2006 13:04			WWC
Selenium		1.02	mg/L		04/28/2006 13:04			WWC
ckel		0.982	mg/L		04/28/2006 13:04			WWC
Molybdenum		0.983	mg/L		04/28/2006 13:04			WWC
nganese		1.02	mg/L		04/28/2006 13:04			WWC
Magnesium		52.4	mg/L		04/28/2006 13:04			WWC
ad		0.979	mg/L		04/28/2006 13:04			WWC
pper		1.02	mg/L		04/28/2006 13:04			WWC
Chromium		0.986	mg/L		04/28/2006 13:04			WWC
lcium		90.4	mg/L		04/28/2006 13:04			WWC
Cadmium		0.969	mg/L		04/28/2006 13:04			WWC
eryllium		0.253	mg/L		04/28/2006 13:04			WWC
Barium		0.499	mg/L		04/28/2006 13:04			WWC
senic		0.990	mg/L		04/28/2006 13:04			WWC
uminum		2.46	mg/L		04/28/2006 13:04			WWC
ron		5.18	mg/L		04/28/2006 13:04			WWC
MSD Result for Metals by 200.7								
Silver		0.254	mg/L		04/28/2006 13:11			WWC
uminum		2.45	mg/L		04/28/2006 13:11			WWC
Zinc		1.01	mg/L		04/28/2006 13:11			WWC
anadium		1.00	mg/L		04/28/2006 13:11			WWC
dium		222	mg/L		04/28/2006 13:11			WWC
Selenium		1.01	mg/L		04/28/2006 13:11			WWC
lybdenum		1.00	mg/L		04/28/2006 13:11			WWC
Manganese		1.02	mg/L		04/28/2006 13:11			WWC
agnesium		52.0	mg/L		04/28/2006 13:11			WWC
Lead		0.987	mg/L		04/28/2006 13:11			WWC
arium		0.498	mg/L		04/28/2006 13:11			WWC
ckel		0.986	mg/L		04/28/2006 13:11			WWC
Arsenic		1.00	mg/L		04/28/2006 13:11			WWC
on		5.19	mg/L		04/28/2006 13:11			WWC
Beryllium		0.254	mg/L		04/28/2006 13:11			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6437		**QA Sample ID AE10713**						
Samples AE10795								
MSD Result for Metals by 200.7								
Cadmium		0.972	mg/L		04/28/2006 13:11			WWC
Calcium		90.4	mg/L		04/28/2006 13:11			WWC
Chromium		0.987	mg/L		04/28/2006 13:11			WWC
Cobalt		0.975	mg/L		04/28/2006 13:11			WWC
Copper		1.02	mg/L		04/28/2006 13:11			WWC
MS/MSD Precision for Metals by 200.7								
Arsenic		1.00	%		04/28/2006 13:04			WWC
Lead		0.814	%		04/28/2006 13:04			WWC
Vanadium		0.100	%		04/28/2006 13:04			WWC
Sodium		0.897	%		04/28/2006 13:04			WWC
Silver		0.790	%		04/28/2006 13:04			WWC
Selenium		0.985	%		04/28/2006 13:04			WWC
Nickel		0.406	%		04/28/2006 13:04			WWC
Molybdenum		1.71	%		04/28/2006 13:04			WWC
Manganese		0.00	%		04/28/2006 13:04			WWC
Magnesium		0.766	%		04/28/2006 13:04			WWC
Zinc		0.00	%		04/28/2006 13:04			WWC
Iron		0.193	%		04/28/2006 13:04			WWC
Copper		0.00	%		04/28/2006 13:04			WWC
Cobalt		0.617	%		04/28/2006 13:04			WWC
Chromium		0.101	%		04/28/2006 13:04			WWC
Calcium		0.00	%		04/28/2006 13:04			WWC
Cadmium		0.309	%		04/28/2006 13:04			WWC
Barium		0.201	%		04/28/2006 13:04			WWC
Aluminum		0.00	%		04/28/2006 13:04			WWC
Beryllium		0.394	%		04/28/2006 13:04			WWC
Batch Name AMM-6421		**QA Sample ID AE10726**						
Samples AE10795								
Ammonia		38.2	mg/L		04/25/2006 12:54			EMM
Method Blank for Ammonia		<MDL	mg/L	U	04/25/2006 12:52			EMM
Continuing Cal. Blank for Ammonia		<MDL	mg/L	U	04/25/2006 13:08			EMM
Continuous Calibration for Ammonia		2.97	mg/L		04/25/2006 13:06			EMM
Cont Calb Rec for Ammonia		99.0	%		04/25/2006 13:06			EMM
Sample Dup for Ammonia		38.3	mg/L		04/25/2006 12:55			EMM
Initial Calibration for Ammonia		1.03	mg/L		04/25/2006 12:53			EMM
Int Calb Rec for Ammonia		103	%		04/25/2006 12:53			EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name AMM-6421		**QA Sample ID AE10726**						
Samples AE10795								
mp Dup Precision for Ammonia		0.261	%		04/25/2006 12:54			EMM
Batch Name AMM-6421A		**QA Sample ID AE10703**						
amples AE10795								
Amt Spiked for Ammonia		0.500	mg/L		04/25/2006 12:57			EMM
monia		0.193	mg/L		04/25/2006 12:56			EMM
MS Recovery for Ammonia		103	%		04/25/2006 12:56			EMM
Result for Ammonia		0.707	mg/L		04/25/2006 12:57			EMM
Batch Name CLIC-6448		**QA Sample ID AE10675**						
amples AE10795								
nt Spiked for Chloride		80.0	mg/L		04/27/2006 19:32			EMM
nt. Blank for Chloride		<MDL	mg/L	U	04/27/2006 21:38			EMM
nt. Cal. for Chloride		209	mg/L		04/27/2006 21:26			EMM
Cont Calb Rec for Chloride		104	%		04/27/2006 21:26			EMM
loride by Ion Chromatography		89.0	mg/L		04/27/2006 19:09			EMM
Sample Dup for Chloride		87.1	mg/L		04/27/2006 19:20			EMM
mp Dup Prec for Chloride		2.16	%		04/27/2006 19:20			EMM
MS Recovery for Chloride		96.2	%		04/27/2006 19:32			EMM
MS Result for Chloride		166	mg/L		04/27/2006 19:32			EMM
atch Name HG-6536		**QA Sample ID AE10713**						
Samples AE10795								
thod Blank for Mercury Cold Vapor		< MDL	ug/L	U	05/10/2006 10:11			WWC
Continuing Cal. Blank for Mercury Cold V		< MDL	ug/L	U	05/10/2006 10:30			WWC
ntinuous Calibration for Mercury Cold		4.90	ug/L		05/10/2006 10:28			WWC
Cont Calb Rec for Mercury Cold Vapor		98.0	%		05/10/2006 10:28			WWC
mple Dup for Mercury Cold Vapor		< MDL	ug/L	U	05/10/2006 10:16			WWC
Mercury Cold Vapor		< MDL	ug/L	U	05/10/2006 10:13			WWC
itial Calibration for Mercury Cold Vap		2.59	ug/L		05/10/2006 10:08			WWC
Calb Rec for Mercury Cold Vapor		104	%		05/10/2006 10:08			WWC
Samp Dup Precision for Mercury Cold Vapo		Passed	%		05/10/2006 10:16			WWC
Recovery for Mercury Cold Vapor		99.8	%		05/10/2006 10:18			WWC
MS Result for Mercury Cold Vapor		0.998	ug/L		05/10/2006 10:18			WWC
D Result for Mercury Cold Vapor		1.00	ug/L		05/10/2006 10:20			WWC
MS/MSD Precision for Mercury Cold Vapor		0.200	%		05/10/2006 10:20			WWC
atch Name NO3IC-6426		**QA Sample ID AE10791**						
amples AE10795								
nt Spiked for Nitrate		1.00	mg/L		04/25/2006 09:44			EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name NO3IC-6426		**QA Sample ID AE10791**						
Samples AE10795								
thod Blank for Nitrate		<MDL	mg/L	U	04/25/2006 08:41			EMM
Cont. Blank for Nitrate		<MDL	mg/L	U	04/25/2006 11:25			EMM
nt. Cal. for Nitrate		10.1	mg/L		04/25/2006 11:12			EMM
Cont Calb Rec for Nitrate		101	%		04/25/2006 11:12			EMM
mple Dup for Nitrate		8.85	mg/L		04/25/2006 09:32			EMM
nt. Cal. for Nitrate		22.8	mg/L		04/25/2006 09:07			EMM
Int Calb Conc for Nitrate		22.8	mg/L		04/25/2006 09:07			EMM
Calb Rec for Nitrate		100	%		04/25/2006 09:07			EMM
Nitrate as N by Ion Chromatography		8.82	mg/L		04/25/2006 09:19			EMM
mp Dup Prec. for Nitrate		0.340	%		04/25/2006 09:32			EMM
MS Recovery for Nitrate		105	%		04/25/2006 09:44			EMM
Result for Nitrate		9.87	mg/L		04/25/2006 09:44			EMM
Batch Name SBAA-6438		**QA Sample ID AE10713**						
amples AE10795								
Method Blank for Antimony by GFAAS		< MDL	mg/L	U	05/02/2006 11:19			WWC
Continuing Cal. Blank for Antimony by GF		< MDL	mg/L	U	05/02/2006 12:21			WWC
ntinuous Calibration for Antimony by G		0.073	mg/L		05/02/2006 12:13			WWC
Cont Calb Rec for Antimony by GFAAS		97.3	%		05/02/2006 12:13			WWC
mple Dup for Antimony by GFAAS		0.004	mg/L		05/02/2006 11:42			WWC
Initial Calibration for Antimony by GFAA		0.047	mg/L		05/02/2006 11:27			WWC
Calb Rec for Antimony by GFAAS		94.0	%		05/02/2006 11:27			WWC
Samp Dup Precision for Antimony by GFAAS		0.00	%		05/02/2006 11:42			WWC
S Recovery for Antimony by GFAAS		102	%		05/02/2006 11:34			WWC
Result for Antimony by GFAAS		0.055	mg/L		05/02/2006 11:50			WWC
Antimony by GFAAS		0.004	mg/L	I	05/02/2006 11:34			WWC
SD Result for Antimony by GFAAS		0.050	mg/L		05/02/2006 11:58			WWC
MS/MSD Precision for Antimony by GFAAS		9.52	mg/L		05/02/2006 11:58			WWC
atch Name SEAA-6475		**QA Sample ID AE10795**						
Samples AE10795								
thod Blank for Selenium		< MDL	mg/L	U	05/09/2006 11:53			WWC
Cont. Cal. Blank for Selenium		< MDL	mg/L	U	05/09/2006 12:56			WWC
ntinuous Calibration for Selenium		0.098	mg/L		05/09/2006 12:48			WWC
nt Calb Rec for Selenium		98.0	%		05/09/2006 12:48			WWC
Sample Dup for Selenium		0.002	mg/L		05/09/2006 12:25			WWC
ial Calibration for Selenium		0.049	mg/L		05/09/2006 12:10			WWC
Int Calb Rec for Selenium		98.0	%		05/09/2006 12:10			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SEAA-6475		**QA Sample ID AE10795**						
Samples AE10795								
mp Dup Precision for Selenium		0.00	%		05/09/2006 12:25			WWC
MS Recovery for Selenium		90.0	%		05/09/2006 12:33			WWC
Result for Selenium		0.047	mg/L		05/09/2006 12:33			WWC
MSD Result for Selenium by GFAAS		0.046	mg/L		05/09/2006 12:40			WWC
enium by GFAAS		0.002	mg/L		05/09/2006 12:17			WWC
MS/MSD Precision for Selenium by GFAAS		2.15	%		05/09/2006 12:40			WWC
Batch Name TDS-6427		**QA Sample ID AE10795**						
Samples AE10795								
Method Blank for TDS		<MDL	mg/L	U	04/27/2006 11:00			LSK
mple Dup for TDS		435	mg/L		04/27/2006 11:00			LSK
Initial Calibration for TDS		305	mg/L		04/27/2006 11:00			LSK
Calb Conc for TDS		300	mg/L		04/27/2006 11:00			LSK
Int Calb Rec for TDS		102	%		04/27/2006 11:00			LSK
mp Dup Precision for TDS		Pass	%		04/27/2006 11:36			LSK
Total Dissolved Solids		434	mg/L		04/27/2006 11:00			LSK
Batch Name TLAA-6439		**QA Sample ID AE10713**						
Samples AE10795								
Method Blank for Thallium by GFAAS		< MDL	mg/L	U	05/03/2006 11:55			WWC
ntinuing Cal. Blank for Thallium by GF		< MDL	mg/L	U	05/03/2006 13:01			WWC
Continuous Calibration for Thallium by G		0.0965	mg/L		05/03/2006 12:53			WWC
nt Calb Rec for Thallium by GFAAS		96.0	%		05/03/2006 12:53			WWC
Sample Dup for Thallium by GFAAS		< MDL	mg/L	U	05/03/2006 12:20			WWC
ial Calibration for Thallium by GFAA		0.054	mg/L		05/03/2006 12:04			WWC
Int Calb Rec for Thallium by GFAAS		108	%		05/03/2006 12:04			WWC
mp Dup Precision for Thallium by GFAAS		Passed	%		05/03/2006 12:20			WWC
Recovery for Thallium by GFAAS		100	%		05/03/2006 12:28			WWC
MS Result for Thallium by GFAAS		0.050	mg/L		05/03/2006 12:28			WWC
D Result for Thallium by GFAAS		0.049	mg/L		05/03/2006 12:37			WWC
MS/MSD Precision for Thallium by GFAAS		2.02	%		05/03/2006 12:37			WWC
allium by GFAAS		< MDL	mg/L	U	05/03/2006 12:12			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.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

May 12, 2006
Project No: 59239

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-11 (AE10795)**
Matrix	**Groundwater**
SAL Sample Number	**59239.01**
Date/Time Collected	**04/24/06 07:22**
Date/Time Received	**04/24/06 09:15**

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	05/05/06 04:46	05/05/06 04:46	NT
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	05/05/06 04:46	05/05/06 04:46	NT
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	05/05/06 04:46	05/05/06 04:46	NT
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	05/05/06 04:46	05/05/06 04:46	NT
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	05/05/06 04:46	05/05/06 04:46	NT
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	05/05/06 04:46	05/05/06 04:46	NT
1,1-Dichloropropene	ug/l	0.31 U,S13	EPA 8260	0.31	05/05/06 04:46	05/05/06 04:46	NT
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	05/05/06 04:46	05/05/06 04:46	NT
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	05/05/06 04:46	05/05/06 04:46	NT
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	05/05/06 04:46	05/05/06 04:46	NT
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	05/05/06 04:46	05/05/06 04:46	NT
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	05/05/06 04:46	05/05/06 04:46	NT
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	05/05/06 04:46	05/05/06 04:46	NT
1,3-Dichlorobenzene	ug/l	0.64 U,S13	EPA 8260	0.64	05/05/06 04:46	05/05/06 04:46	NT
1,3-Dichloropropane	ug/l	0.39 U,S13	EPA 8260	0.39	05/05/06 04:46	05/05/06 04:46	NT
1,4-Dichlorobenzene	ug/l	0.52 U,S13	EPA 8260	0.52	05/05/06 04:46	05/05/06 04:46	NT
1-Propanol, 2-methyl	ug/l	31 U,S13	EPA 8260	31	05/05/06 04:46	05/05/06 04:46	NT
2,2-Dichloropropane	ug/l	0.36 U,S13	EPA 8260	0.36	05/05/06 04:46	05/05/06 04:46	NT
2-Chloro-1,3-butadiene	ug/l	0.89 U,S13	EPA 8260	0.89	05/05/06 04:46	05/05/06 04:46	NT
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	05/05/06 04:46	05/05/06 04:46	NT
3-Chloro-1-propene	ug/l	1.1 U,S13	EPA 8260	1.1	05/05/06 04:46	05/05/06 04:46	NT
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	05/05/06 04:46	05/05/06 04:46	NT
Acetonitrile	ug/l	75 U,S13	EPA 8260	75	05/05/06 04:46	05/05/06 04:46	NT
Acrolein	ug/l	3.8 U,S13	EPA 8260	3.8	05/05/06 04:46	05/05/06 04:46	NT
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	05/05/06 04:46	05/05/06 04:46	NT
Benzene	ug/l	0.27 U,S13	EPA 8260	0.27	05/05/06 04:46	05/05/06 04:46	NT
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	05/05/06 04:46	05/05/06 04:46	NT
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	05/05/06 04:46	05/05/06 04:46	NT
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	05/05/06 04:46	05/05/06 04:46	NT
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	05/05/06 04:46	05/05/06 04:46	NT
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	05/05/06 04:46	05/05/06 04:46	NT
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	05/05/06 04:46	05/05/06 04:46	NT
Chlorobenzene	ug/l	0.63 U,S13	EPA 8260	0.63	05/05/06 04:46	05/05/06 04:46	NT
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	05/05/06 04:46	05/05/06 04:46	NT
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	05/05/06 04:46	05/05/06 04:46	NT
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	05/05/06 04:46	05/05/06 04:46	NT
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	05/05/06 04:46	05/05/06 04:46	NT
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	05/05/06 04:46	05/05/06 04:46	NT
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	05/05/06 04:46	05/05/06 04:46	NT
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	05/05/06 04:46	05/05/06 04:46	NT

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-

May 12, 2006
Project No: 59239

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-11 (AE10795)**
Matrix	**Groundwater**
SAL Sample Number	**59239.01**
Date/Time Collected	**04/24/06 07:22**
Date/Time Received	**04/24/06 09:15**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
Dichlorodifluoromethane	ug/l	0.40 U,S13	EPA 8260	0.40	05/05/06 04:46	05/05/06 04:46	NT
Ethyl methacrylate	ug/l	0.53 U,S13	EPA 8260	0.53	05/05/06 04:46	05/05/06 04:46	NT
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	05/05/06 04:46	05/05/06 04:46	NT
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	05/05/06 04:46	05/05/06 04:46	NT
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	05/05/06 04:46	05/05/06 04:46	NT
Methacrylonitrile	ug/l	1.8 U,S13	EPA 8260	1.8	05/05/06 04:46	05/05/06 04:46	NT
Methyl methacrylate	ug/l	0.66 U,S13	EPA 8260	0.66	05/05/06 04:46	05/05/06 04:46	NT
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	05/05/06 04:46	05/05/06 04:46	NT
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	05/05/06 04:46	05/05/06 04:46	NT
Propionitrile	ug/l	7.2 U,S13	EPA 8260	7.2	05/05/06 04:46	05/05/06 04:46	NT
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	05/05/06 04:46	05/05/06 04:46	NT
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	05/05/06 04:46	05/05/06 04:46	NT
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	05/05/06 04:46	05/05/06 04:46	NT
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	05/05/06 04:46	05/05/06 04:46	NT
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	05/05/06 04:46	05/05/06 04:46	NT
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	05/05/06 04:46	05/05/06 04:46	NT
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	05/05/06 04:46	05/05/06 04:46	NT
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	05/05/06 04:46	05/05/06 04:46	NT
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	05/05/06 04:46	05/05/06 04:46	NT
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	05/05/06 04:46	05/05/06 04:46	NT
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	05/05/06 04:46	05/05/06 04:46	NT
Organochlorine Pesticides							
4,4'-DDD	ug/l	0.0047 U,S13	EPA 8081	0.0047	05/09/06 14:58	04/26/06 08:55	TP
4,4'-DDE	ug/l	0.0031 U,S13	EPA 8081	0.0031	05/09/06 14:58	04/26/06 08:55	TP
4,4'-DDT	ug/l	0.0042 U,S13	EPA 8081	0.0042	05/09/06 14:58	04/26/06 08:55	TP
Aldrin	ug/l	0.00065 U,S13	EPA 8081	0.00065	05/09/06 14:58	04/26/06 08:55	TP
alpha-BHC	ug/l	0.00051 U,S13	EPA 8081	0.00051	05/09/06 14:58	04/26/06 08:55	TP
beta-BHC	ug/l	0.0063 U,S13	EPA 8081	0.0063	05/09/06 14:58	04/26/06 08:55	TP
Chlordane (technical)	ug/l	0.057 U,S13	EPA 8081	0.057	05/09/06 14:58	04/26/06 08:55	TP
Chlorobenzilate	ug/l	0.075 U,S13	EPA 8081	0.075	05/09/06 14:58	04/26/06 08:55	TP
delta-BHC	ug/l	0.0074 U,S13	EPA 8081	0.0074	05/09/06 14:58	04/26/06 08:55	TP
Dieldrin	ug/l	0.00086 U,S13	EPA 8081	0.00086	05/09/06 14:58	04/26/06 08:55	TP
Endosulfan I	ug/l	0.0063 U,S13	EPA 8081	0.0063	05/09/06 14:58	04/26/06 08:55	TP
Endosulfan II	ug/l	0.0078 U,S13	EPA 8081	0.0078	05/09/06 14:58	04/26/06 08:55	TP
Endosulfan sulfate	ug/l	0.0070 U,S13	EPA 8081	0.0070	05/09/06 14:58	04/26/06 08:55	TP
Endrin	ug/l	0.0035 U,S13	EPA 8081	0.0035	05/09/06 14:58	04/26/06 08:55	TP
Endrin aldehyde	ug/l	NE 0.0067 I,S13	EPA 8081	0.0050	05/02/06 17:14	04/26/06 08:55	TP
gamma-BHC (Lindane)	ug/l	0.011 U,S13	EPA 8081	0.011	05/09/06 14:58	04/26/06 08:55	TP
Heptachlor	ug/l	0.011 U,S13	EPA 8081	0.011	05/09/06 14:58	04/26/06 08:55	TP

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

May 12, 2006
Project No: 59239

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**	
Sample Description	**GW-11 (AE10795)**	
Matrix	**Groundwater**	
SAL Sample Number	**59239.01**	
Date/Time Collected	**04/24/06**	**07:22**
Date/Time Received	**04/24/06**	**09:15**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Organochlorine Pesticides							
Heptachlor epoxide	ug/l	0.0060 U,S13	EPA 8081	0.0060	05/09/06 14:58	04/26/06 08:55	TP
Isodrin	ug/l	0.0061 U,S13	EPA 8081	0.0061	05/09/06 14:58	04/26/06 08:55	TP
Kepone	ug/l	0.083 U,S13	EPA 8081	0.083	05/09/06 14:58	04/26/06 08:55	TP
Methoxychlor	ug/l	0.0082 U,S13	EPA 8081	0.0082	05/09/06 14:58	04/26/06 08:55	TP
Toxaphene	ug/l	0.72 U,S13	EPA 8081	0.72	05/09/06 14:58	04/26/06 08:55	TP
Polychlorinated Biphenyls							
PCB-1016	ug/l	0.26 U,S13	EPA 8082	0.26	05/04/06 17:28	04/26/06 08:55	JB
PCB-1221	ug/l	0.15 U,S13	EPA 8082	0.15	05/04/06 17:28	04/26/06 08:55	JB
PCB-1232	ug/l	0.38 U,S13	EPA 8082	0.38	05/04/06 17:28	04/26/06 08:55	JB
PCB-1242	ug/l	0.077 U,S13	EPA 8082	0.077	05/04/06 17:28	04/26/06 08:55	JB
PCB-1248	ug/l	0.070 U,S13	EPA 8082	0.070	05/04/06 17:28	04/26/06 08:55	JB
PCB-1254	ug/l	0.12 U,S13	EPA 8082	0.12	05/04/06 17:28	04/26/06 08:55	JB
PCB-1260	ug/l	0.10 U,S13	EPA 8082	0.10	05/04/06 17:28	04/26/06 08:55	JB
Organophosphorus Pesticides							
Dimethoate	ug/l	0.12 U,S13	EPA 8141	0.12	05/03/06 02:25	04/28/06 14:00	TP
Disulfoton	ug/l	0.18 U,S13	EPA 8141	0.18	05/03/06 02:25	04/28/06 14:00	TP
Famphur	ug/l	0.17 U,S13	EPA 8141	0.17	05/03/06 02:25	04/28/06 14:00	TP
Methyl parathion	ug/l	0.11 U,S13	EPA 8141	0.11	05/03/06 02:25	04/28/06 14:00	TP
Parathion	ug/l	0.085 U,S13	EPA 8141	0.085	05/03/06 02:25	04/28/06 14:00	TP
Phorate	ug/l	0.086 U,S13	EPA 8141	0.086	05/03/06 02:25	04/28/06 14:00	TP
Thionazin	ug/l	0.080 U,S13	EPA 8141	0.080	05/03/06 02:25	04/28/06 14:00	TP
Chlorinated Herbicides							
2,4,5-T	ug/l	0.046 U,S13	EPA 8151	0.046	05/08/06 23:55	04/27/06 09:24	TP
2,4-D	ug/l	0.36 U,S13	EPA 8151	0.36	05/08/06 23:55	04/27/06 09:24	TP
Dinoseb	ug/l	0.42 U,S13	EPA 8151	0.42	05/08/06 23:55	04/27/06 09:24	TP
Silvex (2,4,5-TP)	ug/l	0.036 U,S13	EPA 8151	0.036	05/08/06 23:55	04/27/06 09:24	TP
Semivolatile Analyses							
1,2,4,5-Tetrachlorobenzene	ug/l	1.1 U,S13	EPA 8270	1.1	04/27/06 22:06	04/25/06 13:44	BB
1,2,4-Trichlorobenzene	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
1,3,5-Trinitrobenzene	ug/l	0.62 U,S13	EPA 8270	0.62	04/27/06 22:06	04/25/06 13:44	BB
1,3-Dinitrobenzene	ug/l	1.0 U,S13	EPA 8270	1.0	04/27/06 22:06	04/25/06 13:44	BB
1,4-Naphthoquinone	ug/l	0.55 U,S13	EPA 8270	0.55	04/27/06 22:06	04/25/06 13:44	BB
1-Naphthylamine	ug/l	0.85 U,S13	EPA 8270	0.85	04/27/06 22:06	04/25/06 13:44	BB
2,2'-oxybis(2-chloropropane)	ug/l	2.1 U,S13	EPA 8270	2.1	04/27/06 22:06	04/25/06 13:44	BB
2,3,4,6-Tetrachlorophenol	ug/l	0.66 U,S13	EPA 8270	0.66	04/27/06 22:06	04/25/06 13:44	BB
2,4,5-Trichlorophenol	ug/l	2.1 U,S13	EPA 8270	2.1	04/27/06 22:06	04/25/06 13:44	BB
2,4,6-Trichlorophenol	ug/l	1.9 U,S13	EPA 8270	1.9	04/27/06 22:06	04/25/06 13:44	BB

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May 12, 2006
Project No: 59239

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**
Sample Description	**GW-11 (AE10795)**
Matrix	**Groundwater**
SAL Sample Number	**59239.01**
Date/Time Collected	**04/24/06 07:22**
Date/Time Received	**04/24/06 09:15**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
2,4-Dichlorophenol	ug/l	1.8 U,S13	EPA 8270	1.8	04/27/06 22:06	04/25/06 13:44	BB
2,4-Dimethylphenol	ug/l	1.8 U,S13	EPA 8270	1.8	04/27/06 22:06	04/25/06 13:44	BB
2,4-Dinitrophenol	ug/l	6.3 U,S13	EPA 8270	6.3	04/27/06 22:06	04/25/06 13:44	BB
2,4-Dinitrotoluene	ug/l	0.92 U,S13	EPA 8270	0.92	04/27/06 22:06	04/25/06 13:44	BB
2,6-Dichlorophenol	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
2,6-Dinitrotoluene	ug/l	0.73 U,S13	EPA 8270	0.73	04/27/06 22:06	04/25/06 13:44	BB
2-Acetylaminofluorene	ug/l	0.78 U,S13	EPA 8270	0.78	04/27/06 22:06	04/25/06 13:44	BB
2-Chloronaphthalene	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
2-Chlorophenol	ug/l	2.1 U,S13	EPA 8270	2.1	04/27/06 22:06	04/25/06 13:44	BB
2-Methylnaphthalene	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
2-Methylphenol	ug/l	2.3 U,S13	EPA 8270	2.3	04/27/06 22:06	04/25/06 13:44	BB
2-Naphthylamine	ug/l	1.0 U,S13	EPA 8270	1.0	04/27/06 22:06	04/25/06 13:44	BB
2-Nitroaniline	ug/l	1.4 U,S13	EPA 8270	1.4	04/27/06 22:06	04/25/06 13:44	BB
2-Nitrophenol	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
2-Toluidine	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
3 & 4 Methylphenol	ug/l	2.4 U,S13	EPA 8270	2.4	04/27/06 22:06	04/25/06 13:44	BB
3,3'-Dichlorobenzidine	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
3,3'-Dimethylbenzidine	ug/l	14 U,S13	EPA 8270	14	04/27/06 22:06	04/25/06 13:44	BB
3-Methylcholanthrene	ug/l	0.57 U,S13	EPA 8270	0.57	04/27/06 22:06	04/25/06 13:44	BB
3-Nitroaniline	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
4,6-Dinitro-2-methylphenol	ug/l	1.5 U,S13	EPA 8270	1.5	04/27/06 22:06	04/25/06 13:44	BB
4-Aminobiphenyl	ug/l	0.82 U,S13	EPA 8270	0.82	04/27/06 22:06	04/25/06 13:44	BB
4-Bromophenyl phenyl ether	ug/l	1.7 U,S13	EPA 8270	1.7	04/27/06 22:06	04/25/06 13:44	BB
4-Chloro-3-methylphenol	ug/l	1.7 U,S13	EPA 8270	1.7	04/27/06 22:06	04/25/06 13:44	BB
4-Chloroaniline	ug/l	2.1 U,S13	EPA 8270	2.1	04/27/06 22:06	04/25/06 13:44	BB
4-Chlorophenyl phenyl ether	ug/l	1.8 U,S13	EPA 8270	1.8	04/27/06 22:06	04/25/06 13:44	BB
4-Nitroaniline	ug/l	1.4 U,S13	EPA 8270	1.4	04/27/06 22:06	04/25/06 13:44	BB
4-Nitrophenol	ug/l	6.3 U,S13	EPA 8270	6.3	04/27/06 22:06	04/25/06 13:44	BB
7,12-Dimethylbenz(a)anthracene	ug/l	0.93 U,S13	EPA 8270	0.93	04/27/06 22:06	04/25/06 13:44	BB
Acenaphthene	ug/l	1.5 U,S13	EPA 8270	1.5	04/27/06 22:06	04/25/06 13:44	BB
Acenaphthylene	ug/l	1.8 U,S13	EPA 8270	1.8	04/27/06 22:06	04/25/06 13:44	BB
Acetophenone	ug/l	1.5 U,S13	EPA 8270	1.5	04/27/06 22:06	04/25/06 13:44	BB
Anthracene	ug/l	1.0 U,S13	EPA 8270	1.0	04/27/06 22:06	04/25/06 13:44	BB
Benzo[a]anthracene	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
Benzo[a]pyrene	ug/l	1.0 U,S13	EPA 8270	1.0	04/27/06 22:06	04/25/06 13:44	BB
Benzo[b]fluoranthene	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
Benzo[g,h,I]perylene	ug/l	1.8 I,S13	EPA 8270	1.1	04/27/06 22:06	04/25/06 13:44	BB
Benzo[k]fluoranthene	ug/l	1.3 U,S13	EPA 8270	1.3	04/27/06 22:06	04/25/06 13:44	BB
Benzyl alcohol	ug/l	2.9 U,S13	EPA 8270	2.9	04/27/06 22:06	04/25/06 13:44	BB
Bis(2-chloroethoxy)methane	ug/l	2.0 U,S13	EPA 8270	2.0	04/27/06 22:06	04/25/06 13:44	BB

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Sample Description	**GW-11 (AE10795)**	
Matrix	**Groundwater**	
SAL Sample Number	**59239.01**	
Date/Time Collected	**04/24/06**	**07:22**
Date/Time Received	**04/24/06**	**09:15**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
Bis(2-chloroethyl)ether	ug/l	2.6 U,S13	EPA 8270	2.6	04/27/06 22:06	04/25/06 13:44	BB
Bis(2-ethylhexyl)phthalate	ug/l	1.4 I,S13	EPA 8270	1.3	04/27/06 22:06	04/25/06 13:44	BB
Butyl benzyl phthalate	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Chrysene	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Diallate	ug/l	1.4 U,S13	EPA 8270	1.4	04/27/06 22:06	04/25/06 13:44	BB
Dibenz(a,h)anthracene	ug/l	1.3 I,S13	EPA 8270	1.0	04/27/06 22:06	04/25/06 13:44	BB
Dibenzofuran	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
Diethyl phthalate	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
Dimethyl phthalate	ug/l	2.1 U,S13	EPA 8270	2.1	04/27/06 22:06	04/25/06 13:44	BB
Di-n-butyl phthalate	ug/l	1.8 U,S13	EPA 8270	1.8	04/27/06 22:06	04/25/06 13:44	BB
Di-n-octyl phthalate	ug/l	3.5 I,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Diphenylamine	ug/l	1.1 U,S13	EPA 8270	1.1	04/27/06 22:06	04/25/06 13:44	BB
Ethyl methanesulfonate	ug/l	1.3 U,S13	EPA 8270	1.3	04/27/06 22:06	04/25/06 13:44	BB
Fluoranthene	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Fluorene	ug/l	1.7 U,S13	EPA 8270	1.7	04/27/06 22:06	04/25/06 13:44	BB
Hexachlorobenzene	ug/l	1.7 U,S13	EPA 8270	1.7	04/27/06 22:06	04/25/06 13:44	BB
Hexachlorobutadiene	ug/l	1.0 U,S13	EPA 8270	1.0	04/27/06 22:06	04/25/06 13:44	BB
Hexachlorocyclopentadiene	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Hexachloroethane	ug/l	0.86 U,S13	EPA 8270	0.86	04/27/06 22:06	04/25/06 13:44	BB
Hexachloropropene	ug/l	3,800 U,S13	EPA 8270	3,800	04/27/06 22:06	04/25/06 13:44	BB
Indeno[1,2,3-cd]pyrene	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Isophorone	ug/l	1.4 U,S13	EPA 8270	1.4	04/27/06 22:06	04/25/06 13:44	BB
Isosafrole	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
Methapyrilene	ug/l	1.1 U,S13	EPA 8270	1.1	04/27/06 22:06	04/25/06 13:44	BB
Methyl methanesulfonate	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Naphthalene	ug/l	1.3 U,S13	EPA 8270	1.3	04/27/06 22:06	04/25/06 13:44	BB
Nitrobenzene	ug/l	1.9 U,S13	EPA 8270	1.9	04/27/06 22:06	04/25/06 13:44	BB
N-Nitro-o-toluidine	ug/l	0.91 U,S13	EPA 8270	0.91	04/27/06 22:06	04/25/06 13:44	BB
N-Nitrosodiethylamine	ug/l	1.5 U,S13	EPA 8270	1.5	04/27/06 22:06	04/25/06 13:44	BB
N-Nitrosodimethylamine	ug/l	2.4 U,S13	EPA 8270	2.4	04/27/06 22:06	04/25/06 13:44	BB
N-Nitrosodi-n-butylamine	ug/l	1.5 U,S13	EPA 8270	1.5	04/27/06 22:06	04/25/06 13:44	BB
N-Nitrosodi-n-propylamine	ug/l	1.9 U,S13	EPA 8270	1.9	04/27/06 22:06	04/25/06 13:44	BB
N-Nitrosodiphenylamine	ug/l	1.6 U,S13	EPA 8270	1.6	04/27/06 22:06	04/25/06 13:44	BB
N-Nitrosomethylethylamine	ug/l	2.4 U,S13	EPA 8270	2.4	04/27/06 22:06	04/25/06 13:44	BB
N-Nitrosopiperidine	ug/l	0.88 U,S13	EPA 8270	0.88	04/27/06 22:06	04/25/06 13:44	BB
N-Nitrosopyrrolidine	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
o,o',o''-Triethylphosphorothioate	ug/l	1.8 U,S13	EPA 8270	1.8	04/27/06 22:06	04/25/06 13:44	BB
p-Dimethylamino azobenzene	ug/l	0.68 U,S13	EPA 8270	0.68	04/27/06 22:06	04/25/06 13:44	BB
Pentachlorobenzene	ug/l	1.0 U,S13	EPA 8270	1.0	04/27/06 22:06	04/25/06 13:44	BB
Pentachloronitrobenzene	ug/l	1.5 U,S13	EPA 8270	1.5	04/27/06 22:06	04/25/06 13:44	BB

FDOH Laboratory No. E84129
NELAP Accredited

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

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-

May 12, 2006
Project No: 59239

Laboratory Report

Project Name	**Groundwater Monitoring Well Analyses - Lena Road Landfill**	
Sample Description	**GW-11 (AE10795)**	
Matrix	**Groundwater**	
SAL Sample Number	**59239.01**	
Date/Time Collected	**04/24/06**	**07:22**
Date/Time Received	**04/24/06**	**09:15**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
Pentachlorophenol	ug/l	1.5 U,S13	EPA 8270	1.5	04/27/06 22:06	04/25/06 13:44	BB
Phenacetin	ug/l	0.85 U,S13	EPA 8270	0.85	04/27/06 22:06	04/25/06 13:44	BB
Phenanthrene	ug/l	1.3 U,S13	EPA 8270	1.3	04/27/06 22:06	04/25/06 13:44	BB
Phenol	ug/l	2.4 U,S13	EPA 8270	2.4	04/27/06 22:06	04/25/06 13:44	BB
p-Phenylene diamine	ug/l	3.1 U,S13	EPA 8270	3.1	04/27/06 22:06	04/25/06 13:44	BB
Pronamide	ug/l	0.71 U,S13	EPA 8270	0.71	04/27/06 22:06	04/25/06 13:44	BB
Pyrene	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Safrole, Total	ug/l	1.2 U,S13	EPA 8270	1.2	04/27/06 22:06	04/25/06 13:44	BB
Field Parameter							
Total Well Depth	ft.	25.00			04/24/06 07:21		LRW
Depth to Water (below Top of Casing)	ft.	8.74	DEP FS2211		04/24/06 07:21		LRW
Specific Conductance	umhos/cm	652	DEP FT1200		04/24/06 07:21		LRW
Water Temperature	C	22.5	DEP FT1400		04/24/06 07:21		LRW
pH	Units	5.8	DEP FT1100		04/24/06 07:21		LRW
Dissolved Oxygen	mg/l	0.2	DEP FT1500		04/24/06 07:21		LRW
Turbidity	NTU	2.0	DEP FT1600		04/24/06 07:21		LRW
Inorganics							
Sulfide	mg/l	3.7	EPA 376.1	0.1	04/28/06 09:30		DP
Metals							
Tin	mg/l	0.1 U	EPA 200.7	0.1	04/25/06 12:51	04/25/06 09:58	MJW

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5101 65th Street West
Bradenton, FL 34210-

May 12, 2006
Project No: 59239

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.
U	Analyte was undetected. Indicated concentration is method detection limit.
U,S13	Analyte was not detected; indicated concentration is method detection limit. Analysis subcontracted to STL, FDOH Cert. No. E84282.

The analyte Di-n-octyl phthalate for sample 59239.01 was detected in both the sample and the associated method blank.

SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 59239

Client Name	Contact / Phone:
Manatee County Utility Operations	Jeff Goodwin 941/792-8811
Project Name / Location	**Turn Around Time Requested (*Surcharges may apply)**
Groundwater Monitoring Well Analyses - Lena Road Landfill	24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☑
Samplers: (Signature) Lacy R. 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	250mL P, HNO_3 Sn	1LP, NaOH / Zn Acetate Sulfide	1LG, Cool 4°C 40 CFR Part 258 Appendix I & II Organics	40mL V, HCl 40 CFR Part 258 Appendix I & II Organics		Field Parameters			
01	GW-11	4/24/06	0922	GW		X	1	1	7	3		See Field Sheet			
02	Trip Blank	4/5/06	0920	R		X				2 / unp 4/24/06					

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Janet Griffin	4-5-06 0920	Lacy Ward	4/23/06 1300
Relinquished: Lacy Ward	Date/Time: 4/24/06 0910	Received: Sara Holmes	Date/Time: 4/24/06 0915
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact?	Y N (N/A)	**Instructions / Remarks**
Samples intact upon arrival?	(Y) N N/A	**Field Parameters: Static Water Level, Specific Conductance, pH, Dissolved Oxygen, Turbidity, Colors & Sheens, Termperature**
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) 2 of 4/24/06	
Proper containers used?	(Y) N N/A	

SAL Report Page ___ of ___

Chain of Custody.xls
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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	Contact / Phone:
Manatee County Utility Operations	Jeff Goodwin 941/792-8811 ext. 5235
Project Name / Location	**Turn Around Time Requested (*Surcharges may apply)**
Groundwater Monitoring Well Analyses - Lena Road Landfill	24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☑
Samplers: (Signature) Larry R. Ward	

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

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				
							PARAMETER / CONTAINER DESCRIPTION								
01	GW-11 AE10795	4/24/06	0722	GW		X	1	1	1	1	2				

SAL Report Page ___ of ___

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Larry R. Ward	4-3-06 0920	Larry R. Ward	4/24/06 1300
Relinquished: Larry R. Ward	Date/Time: 4/24/06 0800	Received:	Date/Time: 0800 4/24/06
Relinquished:	Date/Time: 0855 4/24/06	Received:	Date/Time: 4/24/06 1015
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

* 40 CFR Part 258 Appendix I & II Metals

Deliver bottles to MCUOD Laboratory.

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① ICP metals bottle required additional HNO3 on arrival to lab. Hg bottle was LT pH2. EMM 4-24-06

JPM 4/26/06

2006-04-24-004

Chain of Custody Page ___ of ___

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	4/24/06	SAL Project #	59239	Project Name	Semi-Annual Monitor Wells
Well Number	GW-11	Sample ID	.01	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)	8.74	PURGE PUMP CODE	(PP) GP IBP
TOTAL WELL DEPTH (Feet)	25.00	REFERENCE ELEVATION (NGVD)	unknown	GROUND WATER ELEVATION (REFERENCE-STATIC)	unknown	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 = (0.00 -) * 0.1632

ONE WELL VOLUME	2.65	1/4 WELL VOLUME	—	3 WELL VOLUMES	7.96	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	0645	PURGE TIME END	0721	TOTAL PURGED	9.0		
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)
0657	3.0	3.0	0.25	10.43	5.8	22.5	640	0.39	3.83	clear	None
0709	3.0	6.0	"	10.43	5.8	22.5	646	0.25	2.49	"	"
0721	3.0	9.0	"	10.43	5.8	22.5	652	0.21	1.94	"	"

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	0722	SAMPLING ENDED	0740	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: BKO Date: 4/25/06