

September 10, 2012

Rick Potts
The Colinas Group, Inc.
377 Maitland Avenue
Suite 2012
Altamonte Springs, FL 32701

RE: Workorder: A1206835 Sumter Co Landfill

Dear Rick Potts:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, August 15, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Myrna Santiago
MSantiago@AELLab.com

Enclosures: Sublab Report

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SAMPLE SUMMARY

Workorder: A1206835 Sumter Co Landfill

Lab ID	Sample ID	Matrix	Date Collected	Date Received
A1206835001	MW-2	Water	8/14/2012 14:32	8/15/2012 15:58
A1206835002	MW-4	Water	8/14/2012 12:00	8/15/2012 15:58
A1206835003	MW-4A	Water	8/15/2012 12:43	8/15/2012 15:58
A1206835004	MW-4B	Water	8/15/2012 11:52	8/15/2012 15:58
A1206835005	MW-6A	Water	8/15/2012 14:25	8/15/2012 15:58
A1206835006	MW-8	Water	8/14/2012 13:30	8/15/2012 15:58
A1206835007	MW-9A	Water	8/15/2012 10:46	8/15/2012 15:58
A1206835008	MW-10	Water	8/14/2012 12:45	8/15/2012 15:58
A1206835009	MW-11	Water	8/14/2012 11:07	8/15/2012 15:58
A1206835010	EQ BLANK	Water	8/15/2012 09:40	8/15/2012 15:58

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835001**
Sample ID: **MW-2**

Date Received: 08/15/12 15:58 Matrix: Water
Date Collected: 08/14/12 14:32

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	282	umhos/cm		1			8/14/2012 14:16	A^
Dissolved Oxygen	5.61	mg/L		1			8/14/2012 14:16	A^
Groundwater Elevation	46.47	feet		1			8/14/2012 14:16	A^
Temperature	26.93	°C		1			8/14/2012 14:16	A^
Turbidity	1.2	NTU		1			8/14/2012 14:16	A^
pH	6.75	pH unit		1			8/14/2012 14:16	A^

METALS

Analysis Desc: Tot Dissolved Solids, SM2540C			Analytical Method: SM 2540C					
Total Dissolved Solids	250	mg/L		1	10	10	8/19/2012 13:30	A
Analysis Desc: SW846 6010B Analysis, Water			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Aluminum	61	ug/L	U	1	200	61	8/22/2012 15:24	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	8/22/2012 15:24	J
Chromium	0.67	ug/L	I	1	4.0	0.50	8/22/2012 15:24	J
Iron	38	ug/L	U	1	200	38	8/22/2012 15:24	J
Manganese	1.4	ug/L		1	1.0	0.24	8/22/2012 15:24	J
Sodium	2.7	mg/L		1	0.20	0.026	8/22/2012 15:24	J
Analysis Desc: SW846 6020B Analysis, Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	1.1	ug/L		1	0.60	0.073	8/21/2012 17:35	J
Lead	0.076	ug/L	U	1	0.70	0.076	8/21/2012 17:35	J
Silver	0.15	ug/L	I	1	0.30	0.059	8/21/2012 17:35	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 17:35	J
Analysis Desc: SW846 7470A Analysis, Water			Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	8/22/2012 14:09	J

WET CHEMISTRY

Analysis Desc: IC, E300.0, Water			Analytical Method: EPA 300.0					
Chloride	5.9	mg/L		1	5.0	0.50	8/16/2012 11:36	A
Fluoride	0.12	mg/L	U	1	0.50	0.12	8/16/2012 11:36	A

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835001** Date Received: 08/15/12 15:58 Matrix: Water
Sample ID: **MW-2** Date Collected: 08/14/12 14:32

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrate	2.1	mg/L		1	0.50	0.053	8/16/2012 11:36	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.32	mg/L		1	0.10	0.02	8/24/2012 09:43	T

Lab ID: **A1206835002** Date Received: 08/15/12 15:58 Matrix: Water
Sample ID: **MW-4** Date Collected: 08/14/12 12:00

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	542	umhos/cm		1			8/14/2012 11:41	A^
Dissolved Oxygen	0.42	mg/L		1			8/14/2012 11:41	A^
Groundwater Elevation	46.13	feet		1			8/14/2012 11:41	A^
Temperature	27.25	°C		1			8/14/2012 11:41	A^
Turbidity	3.13	NTU		1			8/14/2012 11:41	A^
pH	7.28	pH unit		1			8/14/2012 11:41	A^

METALS

Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis,Water		Analytical Method: SW-846 6010						
Aluminum	68	ug/L	I	1	200	61	8/22/2012 15:48	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	8/22/2012 15:48	J
Chromium	1.4	ug/L	I	1	4.0	0.50	8/22/2012 15:48	J
Iron	38	ug/L	U	1	200	38	8/22/2012 15:48	J
Manganese	5.9	ug/L		1	1.0	0.24	8/22/2012 15:48	J
Sodium	38	mg/L		1	0.20	0.026	8/22/2012 15:48	J
Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis,Total		Analytical Method: SW-846 6020						
Antimony	0.23	ug/L	I	1	0.60	0.073	8/21/2012 19:36	J
Lead	0.076	ug/L	U	1	0.70	0.076	8/21/2012 19:36	J
Silver	0.059	ug/L	U	1	0.30	0.059	8/21/2012 19:36	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 19:36	J

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835002**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-4**

Date Collected: 08/14/12 12:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis, Water		Analytical Method: SW-846 7470A						
Mercury	0.014	ug/L	U	1	0.10	0.014	8/22/2012 13:56	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	16	mg/L		1	5.0	0.50	8/16/2012 10:14	A
Fluoride	0.14	mg/L	I	1	0.50	0.12	8/16/2012 10:14	A
Nitrate	5.6	mg/L		1	0.50	0.053	8/16/2012 10:14	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.64	mg/L		1	0.10	0.02	8/24/2012 09:43	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	500	mg/L		1	10	10	8/19/2012 13:30	A

Lab ID: **A1206835003**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-4A**

Date Collected: 08/15/12 12:43

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	620	umhos/cm		1			8/15/2012 12:32	A^
Dissolved Oxygen	0.65	mg/L		1			8/15/2012 12:32	A^
Groundwater Elevation	46.28	feet		1			8/15/2012 12:32	A^
Temperature	26.35	°C		1			8/15/2012 12:32	A^
Turbidity	2.63	NTU		1			8/15/2012 12:32	A^
pH	7.19	pH unit		1			8/15/2012 12:32	A^

METALS

Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis, Water		Analytical Method: SW-846 6010						
Aluminum	61	ug/L	U	1	200	61	8/22/2012 15:53	J

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835003**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-4A**

Date Collected: 08/15/12 12:43

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Cadmium	0.32	ug/L	U	1	0.60	0.32	8/22/2012 15:53	J
Chromium	1.6	ug/L	I	1	4.0	0.50	8/22/2012 15:53	J
Iron	38	ug/L	U	1	200	38	8/22/2012 15:53	J
Manganese	1.7	ug/L		1	1.0	0.24	8/22/2012 15:53	J
Sodium	24	mg/L		1	0.20	0.026	8/22/2012 15:53	J

Analysis Desc: SW846 6020B
Analysis, Total

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6020

Antimony	0.41	ug/L	I	1	0.60	0.073	8/21/2012 20:04	J
Lead	0.076	ug/L	U	1	0.70	0.076	8/21/2012 20:04	J
Silver	0.063	ug/L	I	1	0.30	0.059	8/21/2012 20:04	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 20:04	J

Analysis Desc: SW846 7470A
Analysis, Water

Preparation Method: SW-846 7470A

Analytical Method: SW-846 7470A

Mercury	0.014	ug/L	U	1	0.10	0.014	8/22/2012 14:12	J
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WET CHEMISTRY

Analysis Desc: IC,E300.0,Water

Analytical Method: EPA 300.0

Chloride	25	mg/L		2	10	1.0	8/16/2012 16:38	A
Fluoride	0.24	mg/L	U	2	1.0	0.24	8/16/2012 16:38	A
Nitrate	12	mg/L		2	1.0	0.11	8/16/2012 16:38	A

Analysis Desc: Ammonia,E350.1,Water

Analytical Method: EPA 350.1

Ammonia (N)	1.0	mg/L		1	0.10	0.02	8/24/2012 09:43	T
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Analysis Desc: Tot Dissolved Solids,SM2540C

Analytical Method: SM 2540C

Total Dissolved Solids	340	mg/L		1	10	10	8/21/2012 17:30	A
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Lab ID: **A1206835004**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-4B**

Date Collected: 08/15/12 11:52

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835004**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-4B**

Date Collected: 08/15/12 11:52

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	115	umhos/cm		1			8/15/2012 11:40	A^
Dissolved Oxygen	6.08	mg/L		1			8/15/2012 11:40	A^
Groundwater Elevation	46.3	feet		1			8/15/2012 11:40	A^
Temperature	25.99	°C		1			8/15/2012 11:40	A^
Turbidity	11.7	NTU		1			8/15/2012 11:40	A^
pH	9.05	pH unit		1			8/15/2012 11:40	A^

METALS

Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis, Water		Analytical Method: SW-846 6010						
Aluminum	810	ug/L		1	200	61	8/22/2012 15:57	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	8/22/2012 15:57	J
Chromium	3.3	ug/L	I	1	4.0	0.50	8/22/2012 15:57	J
Iron	41	ug/L	I	1	200	38	8/22/2012 15:57	J
Manganese	0.24	ug/L	U	1	1.0	0.24	8/22/2012 15:57	J
Sodium	8.9	mg/L		1	0.20	0.026	8/22/2012 15:57	J

Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis, Total		Analytical Method: SW-846 6020						
Antimony	0.29	ug/L	I	1	0.60	0.073	8/21/2012 20:13	J
Lead	0.34	ug/L	I	1	0.70	0.076	8/21/2012 20:13	J
Silver	0.059	ug/L	U	1	0.30	0.059	8/21/2012 20:13	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 20:13	J

Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis, Water		Analytical Method: SW-846 7470A						
Mercury	0.014	ug/L	U	1	0.10	0.014	8/22/2012 14:19	J

WET CHEMISTRY

Analysis Desc: IC,E300.0, Water		Analytical Method: EPA 300.0						
Chloride	5.5	mg/L		1	5.0	0.50	8/16/2012 13:54	A
Fluoride	0.12	mg/L	U	1	0.50	0.12	8/16/2012 13:54	A
Nitrate	2.5	mg/L		1	0.50	0.053	8/16/2012 13:54	A
Analysis Desc: Ammonia,E350.1, Water		Analytical Method: EPA 350.1						
Ammonia (N)	1.1	mg/L		1	0.10	0.02	8/24/2012 09:43	T

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835004**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-4B**

Date Collected: 08/15/12 11:52

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	120	mg/L	Q	1	10	10	8/23/2012 15:00	A

Lab ID: **A1206835005**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-6A**

Date Collected: 08/15/12 14:25

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	271	umhos/cm		1			8/15/2012 14:12	A^
Dissolved Oxygen	6.68	mg/L		1			8/15/2012 14:12	A^
Groundwater Elevation	46.54	feet		1			8/15/2012 14:12	A^
Temperature	24.97	°C		1			8/15/2012 14:12	A^
Turbidity	16.5	NTU		1			8/15/2012 14:12	A^
pH	7.78	pH unit		1			8/15/2012 14:12	A^

METALS

Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis,Water		Analytical Method: SW-846 6010						
Aluminum	61	ug/L	U	1	200	61	8/22/2012 16:02	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	8/22/2012 16:02	J
Chromium	5.7	ug/L		1	4.0	0.50	8/22/2012 16:02	J
Iron	38	ug/L	U	1	200	38	8/22/2012 16:02	J
Manganese	0.76	ug/L	I	1	1.0	0.24	8/22/2012 16:02	J
Sodium	3.1	mg/L		1	0.20	0.026	8/22/2012 16:02	J
Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis,Total		Analytical Method: SW-846 6020						
Antimony	0.17	ug/L	I	1	0.60	0.073	8/21/2012 20:22	J
Lead	0.076	ug/L	U	1	0.70	0.076	8/21/2012 20:22	J
Silver	0.064	ug/L	I	1	0.30	0.059	8/21/2012 20:22	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 20:22	J

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835005**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-6A**

Date Collected: 08/15/12 14:25

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis, Water		Analytical Method: SW-846 7470A						
Mercury	0.014	ug/L	U	1	0.10	0.014	8/22/2012 14:22	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	9.4	mg/L		1	5.0	0.50	8/16/2012 14:21	A
Fluoride	0.12	mg/L	U	1	0.50	0.12	8/16/2012 14:21	A
Nitrate	5.9	mg/L		1	0.50	0.053	8/16/2012 14:21	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.75	mg/L		1	0.10	0.02	8/24/2012 09:43	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	120	mg/L		1	10	10	8/21/2012 17:30	A

Lab ID: **A1206835006**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-8**

Date Collected: 08/14/12 13:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	338	umhos/cm		1			8/14/2012 13:13	A^
Dissolved Oxygen	3.98	mg/L		1			8/14/2012 13:13	A^
Groundwater Elevation	47.54	feet		1			8/14/2012 13:13	A^
Temperature	24.43	°C		1			8/14/2012 13:13	A^
Turbidity	0.53	NTU		1			8/14/2012 13:13	A^
pH	7.41	pH unit		1			8/14/2012 13:13	A^
METALS								
Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis, Water		Analytical Method: SW-846 6010						
Aluminum	61	ug/L	U	1	200	61	8/22/2012 16:07	J

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835006**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-8**

Date Collected: 08/14/12 13:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Cadmium	0.32	ug/L	U	1	0.60	0.32	8/22/2012 16:07	J
Chromium	3.4	ug/L	I	1	4.0	0.50	8/22/2012 16:07	J
Iron	38	ug/L	U	1	200	38	8/22/2012 16:07	J
Manganese	0.24	ug/L	U	1	1.0	0.24	8/22/2012 16:07	J
Sodium	5.1	mg/L		1	0.20	0.026	8/22/2012 16:07	J

Analysis Desc: SW846 6020B
Analysis, Total

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6020

Antimony	0.14	ug/L	I	1	0.60	0.073	8/21/2012 20:32	J
Lead	0.076	ug/L	U	1	0.70	0.076	8/21/2012 20:32	J
Silver	0.059	ug/L	U	1	0.30	0.059	8/21/2012 20:32	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 20:32	J

Analysis Desc: SW846 7470A
Analysis, Water

Preparation Method: SW-846 7470A

Analytical Method: SW-846 7470A

Mercury	0.014	ug/L	U	1	0.10	0.014	8/22/2012 14:24	J
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WET CHEMISTRY

Analysis Desc: IC,E300.0,Water

Analytical Method: EPA 300.0

Chloride	9.1	mg/L		1	5.0	0.50	8/16/2012 11:09	A
Fluoride	0.12	mg/L	U	1	0.50	0.12	8/16/2012 11:09	A
Nitrate	2.1	mg/L		1	0.50	0.053	8/16/2012 11:09	A

Analysis Desc: Ammonia,E350.1,Water

Analytical Method: EPA 350.1

Ammonia (N)	0.73	mg/L		1	0.10	0.02	8/24/2012 09:43	T
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Analysis Desc: Tot Dissolved Solids,SM2540C

Analytical Method: SM 2540C

Total Dissolved Solids	360	mg/L		1	10	10	8/19/2012 13:30	A
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Lab ID: **A1206835007**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-9A**

Date Collected: 08/15/12 10:46

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835007**
Sample ID: **MW-9A**

Date Received: 08/15/12 15:58 Matrix: Water
Date Collected: 08/15/12 10:46

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	904	umhos/cm		1			8/15/2012 10:35	A^
Dissolved Oxygen	0.23	mg/L		1			8/15/2012 10:35	A^
Groundwater Elevation	45.36	feet		1			8/15/2012 10:35	A^
Temperature	25.18	°C		1			8/15/2012 10:35	A^
Turbidity	6.39	NTU		1			8/15/2012 10:35	A^
pH	6.46	pH unit		1			8/15/2012 10:35	A^
METALS								
Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis, Water		Analytical Method: SW-846 6010						
Aluminum	420	ug/L		1	200	61	8/22/2012 16:31	J
Cadmium	0.92	ug/L		1	0.60	0.32	8/22/2012 16:31	J
Chromium	4.4	ug/L		1	4.0	0.50	8/22/2012 16:31	J
Iron	1200	ug/L		1	200	38	8/22/2012 16:31	J
Manganese	97	ug/L		1	1.0	0.24	8/22/2012 16:31	J
Sodium	21	mg/L		1	0.20	0.026	8/22/2012 16:31	J
Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis, Total		Analytical Method: SW-846 6020						
Antimony	0.16	ug/L	I	1	0.60	0.073	8/21/2012 20:41	J
Lead	0.29	ug/L	I	1	0.70	0.076	8/21/2012 20:41	J
Silver	0.063	ug/L	I	1	0.30	0.059	8/21/2012 20:41	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 20:41	J
Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis, Water		Analytical Method: SW-846 7470A						
Mercury	0.059	ug/L	I	1	0.10	0.014	8/22/2012 14:26	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0, Water		Analytical Method: EPA 300.0						
Chloride	22	mg/L		1	5.0	0.50	8/16/2012 14:48	A
Fluoride	0.12	mg/L	U	1	0.50	0.12	8/16/2012 14:48	A
Nitrate	0.38	mg/L	I	1	0.50	0.053	8/16/2012 14:48	A
Analysis Desc: Ammonia,E350.1, Water		Analytical Method: EPA 350.1						
Ammonia (N)	1.3	mg/L		1	0.10	0.02	8/24/2012 09:43	T

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835007**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-9A**

Date Collected: 08/15/12 10:46

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	490	mg/L		1	10	10	8/21/2012 17:30	A

Lab ID: **A1206835008**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-10**

Date Collected: 08/14/12 12:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	629	umhos/cm		1			8/14/2012 12:36	A^
Dissolved Oxygen	0.29	mg/L		1			8/14/2012 12:36	A^
Groundwater Elevation	46.44	feet		1			8/14/2012 12:36	A^
Temperature	25.9	°C		1			8/14/2012 12:36	A^
Turbidity	8.04	NTU		1			8/14/2012 12:36	A^
pH	6.9	pH unit		1			8/14/2012 12:36	A^

METALS

Analysis Desc: SW846 6010B
Analysis,Water

Preparation Method: SW-846 3010A
Analytical Method: SW-846 6010

Aluminum	360	ug/L		1	200	61	8/22/2012 16:36	J
Cadmium	0.50	ug/L	I	1	0.60	0.32	8/22/2012 16:36	J
Chromium	1.1	ug/L	I	1	4.0	0.50	8/22/2012 16:36	J
Iron	430	ug/L		1	200	38	8/22/2012 16:36	J
Manganese	21	ug/L		1	1.0	0.24	8/22/2012 16:36	J
Sodium	8.1	mg/L		1	0.20	0.026	8/22/2012 16:36	J

Analysis Desc: SW846 6020B
Analysis,Total

Preparation Method: SW-846 3010A
Analytical Method: SW-846 6020

Antimony	0.29	ug/L	I	1	0.60	0.073	8/21/2012 20:50	J
Lead	0.15	ug/L	I	1	0.70	0.076	8/21/2012 20:50	J
Silver	0.059	ug/L	U	1	0.30	0.059	8/21/2012 20:50	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 20:50	J

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835008**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-10**

Date Collected: 08/14/12 12:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis, Water		Analytical Method: SW-846 7470A						
Mercury	0.014	ug/L	U	1	0.10	0.014	8/22/2012 14:29	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	8.8	mg/L		1	5.0	0.50	8/16/2012 10:41	A
Fluoride	0.14	mg/L	I	1	0.50	0.12	8/16/2012 10:41	A
Nitrate	1.7	mg/L		1	0.50	0.053	8/16/2012 10:41	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.67	mg/L		1	0.10	0.02	8/24/2012 09:43	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	590	mg/L		1	10	10	8/19/2012 13:30	A

Lab ID: **A1206835009**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-11**

Date Collected: 08/14/12 11:07

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	327	umhos/cm		1			8/14/2012 10:46	A^
Dissolved Oxygen	1.55	mg/L		1			8/14/2012 10:46	A^
Groundwater Elevation	46.24	feet		1			8/14/2012 10:46	A^
Temperature	26.26	°C		1			8/14/2012 10:46	A^
Turbidity	3.64	NTU		1			8/14/2012 10:46	A^
pH	6.2	pH unit		1			8/14/2012 10:46	A^

METALS

Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis, Water		Analytical Method: SW-846 6010						
Aluminum	210	ug/L		1	200	61	8/22/2012 16:40	J

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835009**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **MW-11**

Date Collected: 08/14/12 11:07

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Cadmium	1.9	ug/L		1	0.60	0.32	8/22/2012 16:40	J
Chromium	2.4	ug/L	I	1	4.0	0.50	8/22/2012 16:40	J
Iron	38	ug/L	U	1	200	38	8/22/2012 16:40	J
Manganese	2.5	ug/L		1	1.0	0.24	8/22/2012 16:40	J
Sodium	8.0	mg/L		1	0.20	0.026	8/22/2012 16:40	J

Analysis Desc: SW846 6020B
Analysis, Total

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6020

Antimony	0.10	ug/L	I	1	0.60	0.073	8/21/2012 21:00	J
Lead	0.11	ug/L	I	1	0.70	0.076	8/21/2012 21:00	J
Silver	0.059	ug/L	U	1	0.30	0.059	8/21/2012 21:00	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 21:00	J

Analysis Desc: SW846 7470A
Analysis, Water

Preparation Method: SW-846 7470A

Analytical Method: SW-846 7470A

Mercury	0.041	ug/L	I	1	0.10	0.014	8/22/2012 14:31	J
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WET CHEMISTRY

Analysis Desc: IC,E300.0,Water

Analytical Method: EPA 300.0

Chloride	5.2	mg/L		1	5.0	0.50	8/16/2012 09:47	A
Fluoride	0.16	mg/L	I	1	0.50	0.12	8/16/2012 09:47	A
Nitrate	5.2	mg/L		1	0.50	0.053	8/16/2012 09:47	A

Analysis Desc: Ammonia,E350.1,Water

Analytical Method: EPA 350.1

Ammonia (N)	0.61	mg/L		1	0.10	0.02	8/24/2012 09:43	T
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Analysis Desc: Tot Dissolved Solids,SM2540C

Analytical Method: SM 2540C

Total Dissolved Solids	310	mg/L		1	10	10	8/19/2012 13:30	A
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Lab ID: **A1206835010**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **EQ BLANK**

Date Collected: 08/15/12 09:40

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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METALS

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ANALYTICAL RESULTS

Workorder: A1206835 Sumter Co Landfill

Lab ID: **A1206835010**

Date Received: 08/15/12 15:58 Matrix: Water

Sample ID: **EQ BLANK**

Date Collected: 08/15/12 09:40

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW846 6010B		Preparation Method: SW-846 3010A						
Analysis, Water		Analytical Method: SW-846 6010						
Aluminum	61	ug/L	U	1	200	61	8/22/2012 16:45	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	8/22/2012 16:45	J
Chromium	0.50	ug/L	U	1	4.0	0.50	8/22/2012 16:45	J
Iron	38	ug/L	U	1	200	38	8/22/2012 16:45	J
Manganese	0.37	ug/L	I	1	1.0	0.24	8/22/2012 16:45	J
Sodium	0.071	mg/L	I	1	0.20	0.026	8/22/2012 16:45	J
Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis, Total		Analytical Method: SW-846 6020						
Antimony	0.073	ug/L	U	1	0.60	0.073	8/21/2012 21:09	J
Lead	0.076	ug/L	U	1	0.70	0.076	8/21/2012 21:09	J
Silver	0.059	ug/L	U	1	0.30	0.059	8/21/2012 21:09	J
Thallium	0.067	ug/L	U	1	0.20	0.067	8/21/2012 21:09	J
Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis, Water		Analytical Method: SW-846 7470A						
Mercury	0.014	ug/L	U	1	0.10	0.014	8/22/2012 14:33	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0, Water		Analytical Method: EPA 300.0						
Chloride	0.50	mg/L	U	1	5.0	0.50	8/16/2012 15:16	A
Fluoride	0.12	mg/L	U	1	0.50	0.12	8/16/2012 15:16	A
Nitrate	0.053	mg/L	U	1	0.50	0.053	8/16/2012 15:16	A
Analysis Desc: Ammonia,E350.1, Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.57	mg/L		1	0.10	0.02	8/24/2012 09:43	T
Analysis Desc: Tot Dissolved Solids, SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	10	mg/L	U	1	10	10	8/21/2012 17:30	A

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ANALYTICAL RESULTS QUALIFIERS

Workorder: A1206835 Sumter Co Landfill

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- Q Missed Hold Time

LAB QUALIFIERS

- A DOH Certification #E53076(AEL-A)(FL NELAC Certification)
- A^ Not Certified
- J DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)
- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: A1206835 Sumter Co Landfill

QC Batch: DGMj/1985 Analysis Method: SW-846 6020
QC Batch Method: SW-846 3010A Prepared: 08/20/2012 09:45
Associated Lab Samples: A1206835001, A1206835002, A1206835003, A1206835004, A1206835005, A1206835006, A1206835007,

METHOD BLANK: 1032905

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Silver	ug/L	0.059	0.059 U
Antimony	ug/L	0.073	0.073 U
Thallium	ug/L	0.067	0.067 U
Lead	ug/L	0.076	0.076 U

LABORATORY CONTROL SAMPLE & LCSD: 1032906 1032907

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Silver	ug/L	100	100	100	101	101	80-120	1	20	
Antimony	ug/L	100	110	110	111	112	80-120	1	20	
Thallium	ug/L	100	100	100	102	103	80-120	1	20	
Lead	ug/L	100	110	110	106	107	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1032908 1032909 Original: A1206835001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Silver	ug/L	0.15	100	99	100	99	101	75-125	2	20	
Antimony	ug/L	1.1	100	110	110	112	112	75-125	0	20	
Thallium	ug/L	-0.069	100	100	110	102	106	75-125	4	20	
Lead	ug/L	-0.049	100	100	110	102	108	75-125	5	20	

QC Batch: DGMj/1989 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 08/21/2012 03:30
Associated Lab Samples: A1206835001, A1206835002, A1206835003, A1206835004, A1206835005, A1206835006, A1206835007,

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QUALITY CONTROL DATA

Workorder: A1206835 Sumter Co Landfill

METHOD BLANK: 1033474

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Aluminum	ug/L	61	61 U
Cadmium	ug/L	0.32	0.32 U
Chromium	ug/L	0.50	0.50 U
Iron	ug/L	38	38 U
Manganese	ug/L	0.24	0.24 U
Sodium	mg/L	0.026	0.026 U

LABORATORY CONTROL SAMPLE & LCSD: 1033475 1033476

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Aluminum	ug/L	25000	25000	25000	98	97	80-120	1	20	
Cadmium	ug/L	400	380	380	94	95	80-120	1	20	
Chromium	ug/L	400	380	380	95	96	80-120	1	20	
Iron	ug/L	25000	25000	25000	99	98	80-120	1	20	
Manganese	ug/L	400	370	380	93	94	80-120	1	20	
Sodium	mg/L	50	50	50	100	99	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1033477 1033478 Original: A1206835001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Aluminum	ug/L	17	25000	25000	25000	97	97	75-125	0	20	
Cadmium	ug/L	0.026	400	380	370	94	93	75-125	1	20	
Chromium	ug/L	0.67	400	380	380	96	95	75-125	1	20	
Iron	ug/L	8.1	25000	25000	25000	98	97	75-125	1	20	
Manganese	ug/L	1.4	400	380	370	94	93	75-125	1	20	
Sodium	mg/L	2.7	50	53	52	99	98	75-125	1	20	

QC Batch: DGMj/1998

Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A

Prepared: 08/22/2012 09:15

Associated Lab Samples: A1206835001, A1206835002, A1206835003, A1206835004, A1206835005, A1206835006, A1206835007,

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QUALITY CONTROL DATA

Workorder: A1206835 Sumter Co Landfill

METHOD BLANK: 1034603

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Mercury	ug/L	0.014	0.014 U

LABORATORY CONTROL SAMPLE & LCSD: 1034604 1034605

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
METALS									
Mercury	ug/L	2	2.1	2.1	106	105	80-120	0	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034606 1034607 Original: A1206835002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
METALS										
Mercury	ug/L	0.0009	2	2.0	2.1	101	103	80-120	3	20

QC Batch: WCAa/1916

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Prepared:

Associated Lab Samples: A1206835001, A1206835002, A1206835006, A1206835008, A1206835009

METHOD BLANK: 1035544

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Dissolved Solids	mg/L	10	10 U

LABORATORY CONTROL SAMPLE: 1035545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L		630		

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QUALITY CONTROL DATA

Workorder: A1206835 Sumter Co Landfill

SAMPLE DUPLICATE: 1035546 Original: A1206835001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	250	290	16	5

SAMPLE DUPLICATE: 1035547 Original: A1206820003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	200	210	3	5
QC Batch:	WCAa/1923		Analysis Method:	SM 2540C	
QC Batch Method:	SM 2540C		Prepared:		
Associated Lab Samples:	A1206835003, A1206835005, A1206835007, A1206835010				

METHOD BLANK: 1035628

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Dissolved Solids	mg/L	10	10 U

LABORATORY CONTROL SAMPLE: 1035629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L		650		

SAMPLE DUPLICATE: 1035630 Original: A1206828006

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	120	170	34	5

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QUALITY CONTROL DATA

Workorder: A1206835 Sumter Co Landfill

SAMPLE DUPLICATE: 1035631

Original: A1206835007

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	490	500	2	5
QC Batch:	WCAI/5303	Analysis Method:		EPA 350.1	
QC Batch Method:	EPA 350.1	Prepared:			
Associated Lab Samples:	A1206835001, A1206835002, A1206835003, A1206835004, A1206835005, A1206835006, A1206835007,				

METHOD BLANK: 1035830

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Ammonia (N)	mg/L	0.025	0.025 U

LABORATORY CONTROL SAMPLE: 1035831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Ammonia (N)	mg/L	3	3.1	103	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1035832 1035833 Original: A1206835001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD Qualifiers
WET CHEMISTRY										
Ammonia (N)	mg/L	0.32	3	3.2	3.1	96	92	90-110	3	10

QC Batch: WCAa/1925

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Prepared:

Associated Lab Samples: A1206835001, A1206835002, A1206835003, A1206835004, A1206835005, A1206835006, A1206835007,

METHOD BLANK: 1036644

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			

Report ID: 225605 - 785407

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QUALITY CONTROL DATA

Workorder: A1206835 Sumter Co Landfill

METHOD BLANK: 1036644

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Fluoride	mg/L	0.12	0.12 U
Chloride	mg/L	0.50	0.50 U
Nitrate	mg/L	0.053	0.053 U

LABORATORY CONTROL SAMPLE: 1036645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Fluoride	mg/L	3	4.8	161	90-110 J3
Chloride	mg/L	30	98	328	90-110 J3
Nitrate	mg/L		4.8		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036646 1036647 Original: A1206835003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD Qualifiers
WET CHEMISTRY										
Chloride	mg/L	25	10	46	46	204	206	90-110	0	10 J4

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1036648 1036649 Original: A1206835007

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD Qualifiers
WET CHEMISTRY										
Fluoride	mg/L	0.12	3	2.6	2.6	85	88	90-110	4	10
Nitrate	mg/L			2.7	2.7				0	10

QC Batch: WCAa/1938

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Prepared:

Associated Lab Samples: A1206835004

METHOD BLANK: 1038965

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			

Report ID: 225605 - 785407

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QUALITY CONTROL DATA

Workorder: A1206835 Sumter Co Landfill

METHOD BLANK: 1038965

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Total Dissolved Solids	mg/L	10	10 U

LABORATORY CONTROL SAMPLE: 1038966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY Total Dissolved Solids	mg/L		640		

SAMPLE DUPLICATE: 1038967

Original: A1207011002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY Total Dissolved Solids	mg/L	370	390	6	5

SAMPLE DUPLICATE: 1038989

Original: A1207055003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY Total Dissolved Solids	mg/L	1100	1100	6	5

QUALITY CONTROL DATA QUALIFIERS

Workorder: A1206835 Sumter Co Landfill

QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J3 Lab QC Failure
- J4 Estimated Result

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1206835 Sumter Co Landfill

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1206835001	MW-2	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835002	MW-4	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835003	MW-4A	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835004	MW-4B	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835005	MW-6A	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835006	MW-8	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835007	MW-9A	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835008	MW-10	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835009	MW-11	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835010	EQ BLANK	SW-846 3010A	DGMj/1985	SW-846 6020	ICMj/1221
A1206835001	MW-2	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835002	MW-4	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835003	MW-4A	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835004	MW-4B	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835005	MW-6A	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835006	MW-8	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835007	MW-9A	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835008	MW-10	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835009	MW-11	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835010	EQ BLANK	SW-846 3010A	DGMj/1989	SW-846 6010	ICPj/1619
A1206835001	MW-2	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835002	MW-4	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835003	MW-4A	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835004	MW-4B	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835005	MW-6A	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835006	MW-8	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835007	MW-9A	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835008	MW-10	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835009	MW-11	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835010	EQ BLANK	SW-846 7470A	DGMj/1998	SW-846 7470A	CVAj/1185
A1206835001	MW-2			SM 2540C	WCAa/1916

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1206835 Sumter Co Landfill

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1206835002	MW-4			SM 2540C	WCAa/1916
A1206835006	MW-8			SM 2540C	WCAa/1916
A1206835008	MW-10			SM 2540C	WCAa/1916
A1206835009	MW-11			SM 2540C	WCAa/1916
A1206835003	MW-4A			SM 2540C	WCAa/1923
A1206835005	MW-6A			SM 2540C	WCAa/1923
A1206835007	MW-9A			SM 2540C	WCAa/1923
A1206835010	EQ BLANK			SM 2540C	WCAa/1923
A1206835001	MW-2			EPA 350.1	WCAa/5303
A1206835002	MW-4			EPA 350.1	WCAa/5303
A1206835003	MW-4A			EPA 350.1	WCAa/5303
A1206835004	MW-4B			EPA 350.1	WCAa/5303
A1206835005	MW-6A			EPA 350.1	WCAa/5303
A1206835006	MW-8			EPA 350.1	WCAa/5303
A1206835007	MW-9A			EPA 350.1	WCAa/5303
A1206835008	MW-10			EPA 350.1	WCAa/5303
A1206835009	MW-11			EPA 350.1	WCAa/5303
A1206835010	EQ BLANK			EPA 350.1	WCAa/5303
A1206835001	MW-2			EPA 300.0	WCAa/1925
A1206835002	MW-4			EPA 300.0	WCAa/1925
A1206835003	MW-4A			EPA 300.0	WCAa/1925
A1206835004	MW-4B			EPA 300.0	WCAa/1925
A1206835005	MW-6A			EPA 300.0	WCAa/1925
A1206835006	MW-8			EPA 300.0	WCAa/1925
A1206835007	MW-9A			EPA 300.0	WCAa/1925
A1206835008	MW-10			EPA 300.0	WCAa/1925
A1206835009	MW-11			EPA 300.0	WCAa/1925
A1206835010	EQ BLANK			EPA 300.0	WCAa/1925
A1206835004	MW-4B			SM 2540C	WCAa/1938

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1206835 Sumter Co Landfill

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1206835001	MW-2	DISRES	FLDa/	DISRES	FLDa/
A1206835002	MW-4	DISRES	FLDa/	DISRES	FLDa/
A1206835003	MW-4A	DISRES	FLDa/	DISRES	FLDa/
A1206835004	MW-4B	DISRES	FLDa/	DISRES	FLDa/
A1206835005	MW-6A	DISRES	FLDa/	DISRES	FLDa/
A1206835006	MW-8	DISRES	FLDa/	DISRES	FLDa/
A1206835007	MW-9A	DISRES	FLDa/	DISRES	FLDa/
A1206835008	MW-10	DISRES	FLDa/	DISRES	FLDa/
A1206835009	MW-11	DISRES	FLDa/	DISRES	FLDa/

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☐ Miramar: 10200 USA Today Way, Miramar, FL 33025 • 954
☐ Tallahassee: 1288 Cedar Center Drive, Tallahassee, FL
☐ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813

Client Name: <u>The Colinas Group, Inc.</u>		Project Name: <u>Summer Co. Landfill</u>		BOTTLE TYPE & SIZE		LABORATORY I.D. NUMBER	
Address: <u>3720 Highland Ave., Suite 2012</u>		P.O. Number/Project Number: <u>P-468</u>					
Phone: <u>Altamonte Springs, FL 32701</u>		Project Location: <u>Santerville, FL</u>		ANALYSIS REQUIRED			
FAX: <u>407-622-8176</u>		REMARKS/SPECIAL INSTRUCTIONS:					
Contact: <u>Rick Potts</u>		* Metals: <u>Al, Sb, Cd, Cr, Fe, Pb, Mn, Hg, Ag, Ni, Ti</u>					
Sampled By: <u>Dale Clayton</u>							
Turn Around Time: <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> RUSH							
Page <u>1</u> of <u>1</u>							
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	TIME	MATRIX	NO. COUNT	PRESERVATION
MW-2		G	8-14-12	1430	GW	45	
MW-4		G	8-14-12	1200	GW	45	
MW-4A		G	8-15-12	1243	GW	45	
MW-4B		G	8-15-12	1152	GW	45	
MW-6A		G	8-15-12	1425	GW	45	
MW-8		G	8-14-12	1330	GW	45	
MW-9A		G	8-15-12	1046	GW	45	
MW-10		G	8-14-12	1245	GW	45	
MW-11		G	8-14-12	1102	GW	45	
EQB		G	8-15-12	0940	DT	45	
Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge							
Received on Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Temp taken from sample <input type="checkbox"/> Temp from blank							
Form revised 06/15/2010							
Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A							
Where required, pH checked <input type="checkbox"/> Temperature when received <u>32</u> (in degrees Celsius)							
Preservation Code: I = ice H=(HCl) S = (HNO3) N = (HNO3) T = (Sodium Thiosulfate)							
Gross Alpha		IN	IN	IN	IN	IN	IN
Metals *		IN	IN	IN	IN	IN	IN
TDS		IN	IN	IN	IN	IN	IN
Ammonia		IN	IN	IN	IN	IN	IN
FICLINO3		IN	IN	IN	IN	IN	IN
LABORATORY I.D. NUMBER		A1206835					

FOR DRINKING WATER USE:	
(When PWS Information not otherwise supplied) PWS ID: _____	
Contact Person: _____	Phone: _____
Supplier of Water: _____	Site Address: _____

Relinquished by: <u>[Signature]</u>	Date: <u>8-15-12</u>	Time: <u>1558</u>
Received by: <u>[Signature]</u>	Date: <u>8-15-12</u>	Time: <u>1558</u>
1		
2		
3		
4		

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 8/14/12	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 22.66'	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
only fill out if applicable											
1 Well Vol = 31.92' feet - 22.66' feet X .16 gallons/foot = 1.4816 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
only fill out if applicable											
1 Equip Vol = .02 gallons + (.006 gallons/foot X feet) + .125 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):							
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1412	1.50	1.50	.1	22.86'	6.86	27.04	303	5.69	1.19	Clear	None
1414	1.3	1.20	.1	22.86'	6.90	26.92	294	5.75	1.14	Clear	None
1416	1.2	1.90	.1	22.86'	6.75	26.93	282	5.67	1.26	Clear	None
No screens											
WELL CAPACITY (Gallons Per Foot): 0.76" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dale Claytor, Colinas Group, Inc.				SAMPLER(S) IDENTIFIER(S): [Signature]				SAMPLING INITIATED AT: 1417		SAMPLING ENDED AT: 1432	
PUMP OR TUBING DEPTH IN WELL (feet):				SAMPLE PUMP FLOW RATE (ml per minute): < 250 mL				TUBING		MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N <i>W/Prosa only</i>				FIELD FILTERED: (Y) (N) FILTER SIZE: µm				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-2	2	PE	1 Ltr	HN03	None	---	Gross Alpha, RA226RA228		APP		
"	1	PE	250 mL	H2S04	None	---	Total Ammonia		APP		
"	1	PE	250 mL	HN03	None	---	Metals		APP		
"	1	PE	500 mL	None	None	---	Chloride, Fluoride, Nitrate, TDS		APP		

REMARKS:

1357: Set dedicated 1/4" PE tubing at ~24' b/c and started pump at 11:30pm.

1404: WL 22.86' at 11:30pm, GW is clear.

1411: WL 22.86' at 11:30pm, drawdown is stable. All parameters are stable or in range except for DO, but is typical for this well. Will use optional stabilization criteria below for DO.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES:	APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-4		SAMPLE ID: MW-4	
		DATE: 8/14/12	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH 24.23 TO WATER (feet):	PURGE PUMP TYPE OR BAILER: ESP PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (36.35' feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME X3 = .6558 (only fill out if applicable) 1 Equip Vol = .028 gallons + (.0026 gallons/foot X 36' feet) + .125 gallons = .2186 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~31'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~31'	PURGING INITIATED AT: 1123	PURGING ENDED AT: 1141	TOTAL VOLUME PURGED (gallons): 1.08							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1137	.84	.84	.06	24.37	7.30	27.37	544	0.43	5.66	Clear	None
1139	.12	.96	.06	24.37	7.29	27.35	543	0.42	3.04	Clear	None
1141	.12	1.08	.06	24.37	7.28	27.25	542	0.42	3.13	Clear	None
No Sheen											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 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" = 0.008; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dale Claytor, Colinas Group, Inc.		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: 1142	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet): ~31'		SAMPLE PUMP FLOW RATE (ml. per minute): < 250 mL		TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N W/ Gross only		FIELD-FILTERED: (Y) N FILTER SIZE: — μ m		DUPLICATE: Y (N)	
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)
MW-4	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2SO4	None
"	1	PE	250 mL	HN03	None
"	1	PE	500 mL	None	None
				FINAL pH	
				—	
				Gross Alpha, RA226RA228	
				DC ESP APP	
				Ammonia DC ESP APP	
				Metals DC ESP APP	
				Chloride, Fluoride, Nitrate, TDS DC ESP APP	

REMARKS:

1123: Inserted new 1/4" PE tubing to ~31' btlc and started pump at 106 gpm.

1133: WL 24.38' at .06 gpm, GW is Clear.

1135: WL 24.38' at .06 gpm, drawdown is stable. All parameters are stable or in range.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicons; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 31H): ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: $\pm 5\%$; Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2), optionally, $\pm .02$ mg/L or $\pm 10\%$ (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-4A	SAMPLE ID: MW-4A DATE: 8/15/12

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 29.45'	PURGE PUMP TYPE OR BAILER: ESP
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (45.23' feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
1 Equip Vol = .02 gallons + (.006 gallons/foot X 45' feet) + .125 gallons = 1.245 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N40'	PURGING INITIATED AT: 1209	PURGING ENDED AT: 1232	TOTAL VOLUME PURGED (gallons): 8.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1209	2.5	2.5	.25	29.64	7.25	26.37	622	0.67	4.65	Clear	None
1220	.5	3.0	.25	29.64	7.18	26.37	621	0.67	3.67	Clear	None
1232	.5	3.5	.25	29.64	7.19	26.35	620	0.65	2.63	Clear	None
No Show											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 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 (PRINT) / AFFILIATION: Dale Claytor, Colinas Group, Inc.		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: 1233	SAMPLING ENDED AT: 1243
PUMP OR TUBING DEPTH IN WELL (feet): N40'		SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL		TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		FIELD-FILTERED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N FILTER SIZE: _____ µm		DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-4A	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228	ESP
"	1	PE	250 mL	H2SO4	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:

1209: Set dedicated 3/8" PE tubing and SS ESP at N40' static and started pump at .5 gpm. GW is extremely turbid in this well at beginning of purge requiring a high rate of flow to clean it up.

1220: Reduced flow to .25 gpm, turbidity is at 19 NTUs.

1225: WL 29.64' at .25 gpm, turbidity is at 13 NTUs. All other parameters are stable or in range.

1232: WL 29.64' at .25 gpm, drawdown is stable.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-4B		SAMPLE ID: MW-4B	
		DATE: 8/15/12	

PURGING DATA

WELL 2" PVC		TUBING 3/8"		WELL SCREEN INTERVAL		STATIC DEPTH 27.53		PURGE PUMP TYPE			
DIAMETER (inches):		DIAMETER (inches):		DEPTH: feet to feet		TO WATER (feet):		OR BAILER: ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
only fill out if applicable											
$16.611101 = (38.49' \text{ feet} - 27.53' \text{ feet}) \times 1.6 \text{ gallons/foot} = 1.7536 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
only fill out if applicable											
$1 \text{ Equip Vol} = .02 \text{ gallons} + (.006 \text{ gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.5		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29.5		PURGING INITIATED AT: 1116		PURGING ENDED AT: 1140		TOTAL VOLUME PURGED (gallons): 6.0			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1136	5.0	5.0	.25	27.68	9.00	25.25	116	6.13	14.1	Clear	None
1138	.5	5.5	.25	27.68	9.01	25.29	116	6.18	13.0	Clear	None
1140	.5	6.0	.25	27.68	9.05	25.29	115	6.08	11.7	Clear	None
No Screen											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 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" = 0.018											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dale Claytor, Colinas Group, Inc.				SAMPLER(S) SIGNATURES: 				SAMPLING INITIATED AT: 1141		SAMPLING ENDED AT: 1152	
PUMP OR TUBING DEPTH IN WELL (feet): 29.5				FLOW RATE (mL per minute): < 250 mL				TUBING MATERIAL CODE: PE			
FIELD DECONTAMINATION: (Y) N				FIELD-FILTERED: (Y) N FILTER SIZE: µm				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-4B	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228		ESP		
"	1	PE	250 mL	H2SO4	None	—	Total Ammonia		ESP		
"	1	PE	250 mL	HN03	None	—	Metals		ESP		
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS		ESP		

REMARKS:

1116: Set dedicated 3/8" PE tubing and 55 ESP at N 29.5' btoe and started pump at 125 gpm.

1122: WL 27.71' at .25 gpm, GW is clear. DO is high, but is typical for this well, will purge until stable and use optional stabilization criteria below for DO.

1132: Turbidity is at 24 NTUs, continuing purge until it drops. WL 27.68' at .25 gpm.

1134: Turbidity is at 18 NTUs, DO is high at 6.63. All other parameters are stable or in range. WL 27.68' (over)

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES:	APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-6A	SAMPLE ID: MW-6A	DATE: 8/15/12	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 31.00	PURGE PUMP TYPE OR BAILER: ESP							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (50.84' feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 50' feet) + .125 gallons = .445 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'	PURGING INITIATED AT: 1345	PURGING ENDED AT: 1412	TOTAL VOLUME PURGED (gallons): 16.8							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1408	15.2	15.2	.4	31.04	7.79	24.91	271	6.71	19.6	Clear	None
1410	1.8	16.0	.4	31.04	7.78	24.97	271	6.75	17.4	Clear	None
1412	.8	16.8	.4	31.04	7.78	24.97	271	6.68	16.5	Clear	None
No Slurries											
WELL CAPACITY (Gallons Per Foot): 0.76" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dale Claytor, Colinas Group, Inc.		SAMPLER (SIGNATURE):		SAMPLING INITIATED AT: 1413	SAMPLING ENDED AT: 1425
PUMP OR TUBING DEPTH IN WELL (feet): ~45'		SAMPLE PUMP FLOW RATE (ml per minute): < 250 mL		TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N FILTER SIZE: µm		DUPLICATE: Y N	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)
MW-6A	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2S04	None
"	1	PE	250 mL	HN03	None
"	1	PE	500 mL	None	None
				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
				GrossAlpha, RA226RA228	ESP
				Total Ammonia	ESP
				Metals	ESP
				Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:
1345: Set dedicated 3/8" PE tubing and SS ESP at ~45' to ocean. Started pump at 1 gpm. This well is extremely turbid at beginning of purge requiring a high flow rate to clean it up.
1355: Turbidity is at 29 NTUs, reduced flow to .4 gpm.
1405: Turbidity is at 18 NTUs. WL 31.04' at .4 gpm. DO is high at 6.86 mg/L, but is typical for this well. Will use optional stabilization criteria below for DO. All other parameters are stable or in range.
1407: WL 31.04' at .4 gpm, drawdown is stable.
Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes.
2) Packed samples on ice immediately upon collection.

MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES:	APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-8	SAMPLE ID: MW-8	DATE: 8/14/12	

PURGING DATA

WELL: 2" PVC	TUBING: 3/8"	WELL SCREEN INTERVAL: 21.72'	STATIC DEPTH TO WATER (feet): 21.72'	PURGE PUMP TYPE OR BAILER: ESP-OC PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable)											
= (43.24' feet - 21.72' feet) X 0.0006 gallons/foot = 0.0006 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
1 Equip Vol = 0.0006 gallons + (0.0006 gallons/foot X 43' feet) + .125 gallons = 0.0268 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	PURGING INITIATED AT: 1301	PURGING ENDED AT: 1313	TOTAL VOLUME PURGED (gallons): 1.20							
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1309	.80	.80	.1	21.76	7.40	24.73	338	3.99	0.51	Clear	None
1310	1.2	1.00	.1	21.76	7.39	24.57	339	4.04	0.44	Clear	None
1313	.2	1.20	.1	21.76	7.41	24.43	338	3.98	0.53	Clear	None
No Show											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 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 (PRINT) / AFFILIATION: Dale Claytor, Colinas Group, Inc.		SAMPLER(S) SIGNATURES: <i>[Signature]</i>		SAMPLING INITIATED AT: 1314	SAMPLING ENDED AT: 1330
PUMP OR TUBING DEPTH IN WELL (feet): ~38'		SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL		TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N		FIELD-FILTERED: (Y) N		FILTER SIZE: 0.45 µm	
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)
MW-8	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2S04	None
"	1	PE	250 mL	HN03	None
"	1	PE	500 mL	None	None
FINAL pH					
Gross Alpha, RA226RA228					
Total Ammonia					
Metals					
Chloride, Fluoride, Nitrate, TDS					

REMARKS:

1301: Set dedicated 1/4" PE tubing at ~38' btlc and started pump at .1 gpm.

1306: WL 21.76' at .1 gpm, GW is clear.

1308: WL 21.76' at .1 gpm, drawdown is stable. DO is high at 3.98 mg/L, but is typical for this well. Will use optional stabilization criteria below for DO. All other parameters are stable or in range.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES:	APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3): H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-9A	SAMPLE ID: MW-9A	DATE: 8/15/12	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 38.90	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	OR BAILER: ESP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
only fill out if applicable)											
= (50.17' feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME x3 = 1.335											
(only fill out if applicable)											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 50' feet) + .125 gallons = .445 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N45	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N45	PURGING INITIATED AT: 0953	PURGING ENDED AT: 1035	TOTAL VOLUME PURGED (gallons): 240							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1031	19.0	19.0	.5	32.86	6.45	25.19	907	0.20	18.7	Clear	None
1033	1	20.0	.5	32.86	6.46	25.17	905	0.26	7.20	Clear	None
1035	1	21.0	.5	32.86	6.46	25.18	904	0.23	6.39	Clear	None
No Slime											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 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 (PRINT) / AFFILIATION: Dale Claytor, Colinas Group, Inc.		SAMPLE SIGNATURES:		SAMPLING INITIATED AT: 1036	SAMPLING ENDED AT: 1046
PUMP OR TUBING DEPTH IN WELL (feet): N45		SAMPLE PUMP FLOW RATE (mL per minute):		TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (P) N		FIELD-FILTERED: Y (N) FILTER SIZE: µm		DUPLICATE: Y (N)	
Filtration Equipment Type:					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)
MW-9A	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2S04	None
"	1	PE	250 mL	HN03	None
"	1	PE	600 mL	None	None
				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
				Gross Alpha, RA226RA228	ESP
				Total Ammonia	ESP
				Metals	ESP
				Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:

0953: Set dedicated 3/8" PE tubing at N45' 6" and started pump at .5 gpm.

1003: GW is turbid at 81 NTUs, but is typical for this well. Will over purge to clean it up.

1013: Turbidity is at 54 NTUs, continuing purge at .5 gpm.

1023: Turbidity is at 23 NTUs, continuing purge. WL 32.86 at .5 gpm.

1035: Turbidity is at 18 NTUs, all other parameters are stable or in range. WL 32.86' and stable.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES:	APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3H): ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 8/14/12	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 21.84'	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	OR BAILER ESP-PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
= (45.35' feet - 21.84' feet) X 0.026 gallons/foot = 0.626 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
(only fill out if applicable)											
1 Equip Vol = 0.626 gallons + (0.026 gallons/foot X 45' feet) + .125 gallons = 1.242 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'	PURGING INITIATED AT: 1225	PURGING ENDED AT: 1236	TOTAL VOLUME PURGED (gallons): 1.10							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1225	.70	.70	.1	22.31'	6.86	25.89	644	0.40	6.62	Clear	None
1229	.2	.90	.1	22.31'	6.87	25.77	636	0.33	8.20	Clear	None
1236	.2	1.10	.1	22.31'	6.90	25.70	629	0.29	8.04	Clear	None
No Screen											
WELL CAPACITY (Gallons Per Foot): 0.78" = 0.02; 1" = 0.04; 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 (PRINT) / AFFILIATION: Dale Claytor, Colinas Group, Inc.		SAMPLER(S) SIGNATURES: <i>[Signature]</i>		SAMPLING INITIATED AT: 1237	SAMPLING ENDED AT: 1245	
PUMP OR TUBING DEPTH IN WELL (feet): ~40'		FLOW RATE (mL per minute): < 250 mL		TUBING MATERIAL CODE: PE		
FIELD DECONTAMINATION: (Y) N		FIELD-FILTERED: Y N FILTER SIZE: _____ µm		DUPLICATE: Y N		
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH
MW-10	2	PE	1 Ltr	HN03	None	---
"	1	PE	250 mL	H2SO4	None	---
"	1	PE	250 mL	HN03	None	---
"	1	PE	500 mL	None	None	---
GrossAlpha, RA226RA228 Total Ammonia Metals Chloride, Fluoride, Nitrate, TDS						

REMARKS:
1225: Set dedicated 1/4" PE tubing at ~40' btoe and started pump at .1 gpm.
1229: WL 22.31' at .1 gpm, GW is clear.
1231: WL 22.31' at .1 gpm, drawdown is stable. All parameters are stable or in range.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
 2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3H): ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-11	SAMPLE ID: MW-11	DATE: 8/14/12	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 2397	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	OR BAILER: ESP & PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
= (40.15' feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
(only fill out if applicable)											
1 Equip Vol = .82 gallons + (.0000 gallons/foot X 40') + .125 gallons = .229 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~35'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~35'	PURGING INITIATED AT: 1011	PURGING ENDED AT: 1046	TOTAL VOLUME PURGED (gallons): 2.45							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1042	2.17	2.17	.07	24.03	6.18	26.26	317	1.58	2.92	Clear	None
1044	1.14	2.31	.07	24.03	6.19	26.26	321	1.56	3.28	Clear	None
1046	1.14	2.45	.07	24.03	6.20	26.26	327	1.55	3.64	Clear	None
No Screen											
Note: Checked pH meter calibration, standard 7.00, reading 6.99 s/y.											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 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 (PRINT) / AFFILIATION: Dale Clayton, Colinas Group, Inc.		SAMPLER (BY SERIAL NUMBER): [Signature]		SAMPLING INITIATED AT: 1047	SAMPLING ENDED AT: 1107			
PUMP OR TUBING DEPTH IN WELL (feet): ~35'		FLOW RATE (mL per minute): < 250 mL		TUBING MATERIAL CODE: PE				
FIELD DECONTAMINATION: (Y) N Probe only		FIELD FILTERED: (Y) N FILTER SIZE: µm		DUPLICATE: Y (N)				
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-11	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA228, RA228	DESP APP
"	1	PE	250 mL	H2SO4	None	—	Total Ammonia	DESP APP
"	1	PE	250 mL	HN03	None	—	Metals	DESP APP
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	DESP APP

REMARKS:

1011: Inserted new 1/4" PE tubing to ~35' btoe and started pump at .07 gpm.

1017: WL 24.03' at .07 gpm, GW is clear. DO is high at 2.60 mg/L. Will over purge and see if it comes down.

1027: DO is still high at 1.90 mg/L, continuing purge. All other parameters are stable or in range. WL 24.03' at .07 gpm, draw down is stable.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

(over)

MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES:	APP = Arter Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 31): ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)



LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: August 27, 2012

Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835001
MW-2
Sample Collection: 08-14-12/1432
Lab ID No: 12.6923
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	2.2 ± 0.8	08-22-12/0800	EPA 900.0	0.9
Combined Radium (Radium-226 + Radium 228)	pCi/l	1.8 U ± 0.6	Calc	Calc	1.0
Radium-226	pCi/l	0.8 U ± 0.5	08-24-12/1145	EPA 903.0	0.8
Radium-228	pCi/l	1.0 U ± 0.6	08-24-12/0955	EPA Ra-05	1.0

Alpha Standard: Th-230

U = indicates that the compound was analyzed for but not detected.

I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.



LABORATORY SERVICES

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Report Date: August 24, 2012

Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835002
MW-4
Sample Collection: 08-14-12/1200
Lab ID No: 12.6924
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	7.0 ± 1.7	08-22-12/0800	EPA 900.0	1.5
Combined Radium (Radium-226 + Radium 228)	pCi/l	3.3 ± 0.8	Calc	Calc	1.0
Radium-226	pCi/l	2.3 ± 0.8	08-24-12/1145	EPA 903.0	0.6
Radium-228	pCi/l	1.0 U ± 0.7	08-24-12/0955	EPA Ra-05	1.0

Alpha Standard: Th-230

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James W. Hayes
Laboratory Manager

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Report Date: August 24, 2012

Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835003
MW-4A
Sample Collection: 08-15-12/1243
Lab ID No: 12.6925
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	5.3 ± 1.7	08-22-12/0800	EPA 900.0	1.8
Combined Radium (Radium-226 + Radium 228)	pCi/l	2.7 ± 0.7	Calc	Calc	1.0
Radium-226	pCi/l	1.7 ± 0.7	08-24-12/1145	EPA 903.0	0.7
Radium-228	pCi/l	1.0 U ± 0.7	08-24-12/0955	EPA Ra-05	1.0

Alpha Standard: Th-230

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James W. Hayes
Laboratory Manager

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Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835004
MW-4B
Sample Collection: 08-15-12/1152
Lab ID No: 12.6926
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	1.6 ± 0.7	08-22-12/0800	EPA 900.0	0.9
Combined Radium (Radium-226 + Radium 228)	pCi/l	1.7 U ± 0.7	Calc	Calc	1.0
Radium-226	pCi/l	0.7 U ± 0.3	08-24-12/1145	EPA 903.0	0.7
Radium-228	pCi/l	1.0 U ± 0.7	08-24-12/0955	EPA Ra-05	1.0

Alpha Standard: Th-230

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James W. Hayes
Laboratory Manager

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Report Date: August 27, 2012

Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835005
MW-6A
Sample Collection: 08-15-12/1425
Lab ID No: 12.6927
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	1.3 ± 0.7	08-22-12/0800	EPA 900.0	1.0
Combined Radium (Radium-226 + Radium 228)	pCi/l	1.6 U ± 0.6	Calc	Calc	1.0
Radium-226	pCi/l	0.6 U ± 0.5	08-24-12/1145	EPA 903.0	0.6
Radium-228	pCi/l	1.0 U ± 0.6	08-24-12/0955	EPA Ra-05	1.0

Alpha Standard: Th-230

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I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.

James W. Hayes
Laboratory Manager

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528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835006
MW-8
Sample Collection: 08-14-12/1330
Lab ID No: 12.6928
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	1.2 ± 0.8	08-22-12/0800	EPA 900.0	1.2
Combined Radium (Radium-226 + Radium 228)	pCi/l	1.6 U ± 0.7	Calc	Calc	1.0
Radium-226	pCi/l	0.6 U ± 0.5	08-24-12/1145	EPA 903.0	0.6
Radium-228	pCi/l	1.0 U ± 0.7	08-24-12/0955	EPA Ra-05	1.0

Alpha Standard: Th-230

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James W. Hayes
Laboratory Manager

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Report Date: August 24, 2012

Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835007
MW-9A
Sample Collection: 08-15-12/1046
Lab ID No: 12.6929
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	12.2 ± 2.5	08-22-12/0800	EPA 900.0	2.0
Combined Radium (Radium-226 + Radium 228)	pCi/l	5.7 ± 1.2	Calc	Calc	1.0
Radium-226	pCi/l	4.7 ± 1.2	08-24-12/1145	EPA 903.0	0.7
Radium-228	pCi/l	1.0 U ± 0.7	08-24-12/0955	EPA Ra-05	1.0

Alpha Standard: Th-230

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James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.



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Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835008
MW-10
Sample Collection: 08-14-12/1245
Lab ID No: 12.6930
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	17.8 ± 2.5	08-22-12/0800	EPA 900.0	1.4
Combined Radium (Radium-226 + Radium 228)	pCi/l	3.7 ± 0.9	Calc	Calc	1.0
Radium-226	pCi/l	2.7 ± 0.9	08-24-12/1145	EPA 903.0	0.7
Radium-228	pCi/l	1.0 U ± 0.9	08-24-12/0955	EPA Ra-05	1.0

Alpha Standard: Th-230

U = indicates that the compound was analyzed for but not detected.
I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.

A handwritten signature in cursive script that reads "James W. Hayes".

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.



LABORATORY SERVICES

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Report Date: August 24, 2012

Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835009
MW-11
Sample Collection: 08-14-12/1107
Lab ID No: 12.6931
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	10.6 ± 1.7	08-22-12/0800	EPA 900.0	1.1
Combined Radium (Radium-226 + Radium 228)	pCi/l	5.2 ± 1.0	Calc	Calc	1.0
Radium-226	pCi/l	4.1 ± 1.0	08-24-12/1145	EPA 903.0	0.6
Radium-228	pCi/l	1.1 I ± 0.9	08-24-12/1140	EPA Ra-05	1.0

Alpha Standard: Th-230

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I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.



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Report Date: August 27, 2012

Advanced Environmental Labs
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Attn: Myrna Santiago

Field Custody: Client
Client/Field ID: A1206835010
EQ BLANK
Sample Collection: 08-15-12/0940
Lab ID No: 12.6932
Lab Custody Date: 08-17-12/1325
Sample description: WATER

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	0.0 ± 0.3	08-22-12/0800	EPA 900.0	0.8
Combined Radium (Radium-226 + Radium 228)	pCi/l	1.5 U ± 0.8	Calc	Calc	1.0
Radium-226	pCi/l	0.5 U ± 0.2	08-24-12/1145	EPA 903.0	0.5
Radium-228	pCi/l	1.0 U ± 0.8	08-24-12/1140	EPA Ra-05	1.0

Alpha Standard: Th-230

U = indicates that the compound was analyzed for but not detected.

I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.

Results Requested By 8/26/2012

Myrna Santiago
Advanced Environmental Laboratories, Inc
528 S. North Lake Blvd, Suite 1016
Allamonte Springs, FL 33201
Phone (407)937-1594
Fax (407)937-1597

KNL-FL
KNL Laboratory Services, Inc.
2742 North Florida Avenue
Tampa, FL 33602
Phone
Fax

Myrna Santiago Advanced Environmental Laboratories, Inc 528 S. North Lake Blvd, Suite 1016 Allamonte Springs, FL 32701 Phone (407)937-1594 Fax (407)937-1597				KNL-FL KNL Laboratory Services, Inc. 2742 North Florida Avenue Tampa, FL 33602 Phone Fax																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Sample ID				Sample Description				Sample Date				Sample Time				Sample Location				Sample Type				Sample Volume				Sample Weight				Sample Temperature				Sample pH				Sample Conductivity				Sample Turbidity				Sample Color				Sample Odor				Sample Taste				Sample Appearance				Sample Comments				Sample Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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12.6223-32

Chain of Custody

Document 31202 - HBN 24363

Workorder

Sumter Co Landfill

Results Requested By 8/26/2012

Myrna Santiago
Advanced Environmental Laboratories, Inc.
6601 Southpoint Parkway
Jacksonville, FL 32216
Phone (904)363-9350
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KNL-FL
KNL Laboratory Services, Inc.
2742 North Florida Avenue
Tampa, FL 33602
Phone
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Sample Information		Sample Location		Sample Description		Sample Matrix		Sample Volume		Sample Weight		Sample Temperature		Sample Date/Time		Sample Received By		Sample Date/Time	
11																			
12																			
14																			
Preservative		Standard (Results only)		Standard with Batch QC		CLP		Other		SEDD Stage 2A		SEDD Stage 2B		SEDD Stage 3		Other			
HNO3 = HNO3																			
Transfers		Released By		Date/Time		Received By		Date/Time											
1		BZ		8/14/12 1750		BS													
2																			
3																			
4																			
5																			