Advanced Environmental Laboratories, Inc
528 S. North Lake Blvd, Suite 1016
Altamonte Springs, FL 32701
Phone: (407)937-1594
Fax: (407)937-1597

March 13, 2012

Rick Potts
The Colinas Group, Inc.
509 N. Virginia Avenue
Winter Park, FL 32789

RE: Workorder: A1201606 Sumter Co. Landfill - GW

Dear Rick Potts:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, February 22, 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

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SAMPLE SUMMARY

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID	Sample ID	Matrix	Date Collected	Date Received
A1201606001	MW-10	Water	2/22/2012 12:05	2/22/2012 17:10
A1201606002	MW-11	Water	2/21/2011 11:15	2/22/2012 17:10
A1201606003	MW-2	Water	2/21/2011 13:52	2/22/2012 17:10
A1201606004	MW-4	Water	2/21/2012 12:00	2/22/2012 17:10
A1201606005	MW-4A	Water	2/21/2011 13:00	2/22/2012 17:10
A1201606006	MW-4B	Water	2/22/2012 11:15	2/22/2012 17:10
A1201606007	MW-4C	Water	2/22/2012 14:25	2/22/2012 17:10
A1201606008	MW-4D	Water	2/22/2012 10:38	2/22/2012 17:10
A1201606009	MW-6A	Water	2/22/2012 15:35	2/22/2012 17:10
A1201606010	MW-8	Water	2/21/2012 14:45	2/22/2012 17:10
A1201606011	MW-9A	Water	2/22/2012 13:00	2/22/2012 17:10
A1201606012	EQUIPMENT BLANK	Water	2/21/2012 10:30	2/22/2012 17:10

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606001** Date Received: 02/22/12 17:10 Matrix: Water

Sample ID: **MW-10** Date Collected: 02/22/12 12:05

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**515**	**umhos/cm**		**1**			2/22/2012 12:05	A^
Dissolved Oxygen	**1.48**	**mg/L**		**1**			2/22/2012 12:05	A^
Groundwater Elevation	**42.64**	**feet**		**1**			2/22/2012 12:05	A^
Temperature	**25.18**	**°C**		**1**			2/22/2012 12:05	A^
Turbidity	**8.38**	**NTU**		**1**			2/22/2012 12:05	A^
pH	**6.98**	**pH unit**		**1**			2/22/2012 12:05	A^
METALS								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**420**	**ug/L**		**1**	200	61	2/29/2012 19:16	J
Cadmium	**0.48**	**ug/L**	**I**	**1**	0.60	0.32	2/29/2012 19:16	J
Chromium	**4.9**	**ug/L**	**V**	**1**	4.0	0.50	2/29/2012 19:16	J
Iron	**360**	**ug/L**		**1**	200	38	2/29/2012 19:16	J
Manganese	**17**	**ug/L**		**1**	1.0	0.24	2/29/2012 19:16	J
Sodium	**6.1**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 19:16	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	3/1/2012 02:55	J
Lead	**0.28**	**ug/L**	**I**	**1**	0.70	0.076	3/1/2012 02:55	J
Silver	**0.059**	**ug/L**	**U**	**1**	0.30	0.059	3/1/2012 02:55	J
Thallium	**0.078**	**ug/L**	**I**	**1**	0.20	0.067	3/1/2012 02:55	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	2/27/2012 12:55	J
METALS								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**6.9**	**mg/L**	**I**	**1**	10	0.87	2/23/2012 12:36	A
Fluoride	**0.15**	**mg/L**	**I**	**1**	0.20	0.078	2/23/2012 12:36	A
Nitrate	**2.8**	**mg/L**		**1**	0.20	0.094	2/23/2012 12:36	A

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606001** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-10** Date Collected: 02/22/12 12:05

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	**300**	**mg/L**		**1**	10	10	2/29/2012 08:14	T

Lab ID: **A1201606002** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-11** Date Collected: 02/21/11 11:15

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**556**	**umhos/cm**		**1**			2/21/2012 11:15	A^
Dissolved Oxygen	**0.4**	**mg/L**		**1**			2/21/2012 11:15	A^
Groundwater Elevation	**42.47**	**feet**		**1**			2/21/2012 11:15	A^
Temperature	**25.95**	**°C**		**1**			2/21/2012 11:15	A^
Turbidity	**14.7**	**NTU**		**1**			2/21/2012 11:15	A^
pH	**6.59**	**pH unit**		**1**			2/21/2012 11:15	A^
METALS								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	**330**	**mg/L**		**1**	10	10	2/27/2012 07:57	T
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**860**	**ug/L**		**1**	200	61	2/29/2012 19:41	J
Cadmium	**2.6**	**ug/L**		**1**	0.60	0.32	2/29/2012 19:41	J
Chromium	**8.0**	**ug/L**	**V**	**1**	4.0	0.50	2/29/2012 19:41	J
Iron	**180**	**ug/L**	**I**	**1**	200	38	2/29/2012 19:41	J
Manganese	**5.6**	**ug/L**		**1**	1.0	0.24	2/29/2012 19:41	J
Sodium	**8.9**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 19:41	J

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606002** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-11** Date Collected: 02/21/11 11:15

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.46**	**ug/L**	**I**	**1**	0.60	0.073	3/1/2012 03:51	J
Lead	**0.75**	**ug/L**		**1**	0.70	0.076	3/1/2012 03:51	J
Silver	**0.075**	**ug/L**	**I**	**1**	0.30	0.059	3/1/2012 03:51	J
Thallium	**0.14**	**ug/L**	**I**	**1**	0.20	0.067	3/1/2012 03:51	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.082**	**ug/L**	**I**	**1**	0.10	0.014	2/27/2012 13:09	J
METALS								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**3.8**	**mg/L**	**I**	**1**	10	0.87	2/23/2012 10:33	A
Fluoride	**0.18**	**mg/L**	**I**	**1**	0.20	0.078	2/23/2012 10:33	A
Nitrate	**4.9**	**mg/L**		**1**	0.20	0.094	2/23/2012 10:33	A

Lab ID: **A1201606003** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-2** Date Collected: 02/21/11 13:52

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**233**	**umhos/cm**		**1**			2/21/2012 13:52	A^
Dissolved Oxygen	**3.86**	**mg/L**		**1**			2/21/2012 13:52	A^
Groundwater Elevation	**42.56**	**feet**		**1**			2/21/2012 13:52	A^
Temperature	**26.55**	**°C**		**1**			2/21/2012 13:52	A^
Turbidity	**0.39**	**NTU**		**1**			2/21/2012 13:52	A^
pH	**6.88**	**pH unit**		**1**			2/21/2012 13:52	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606003** Date Received: 02/22/12 17:10 Matrix: Water

Sample ID: **MW-2** Date Collected: 02/21/11 13:52

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Aluminum	**61**	**ug/L**	**U**	**1**	200	61	2/29/2012 20:07	J
Cadmium	**0.32**	**ug/L**	**U**	**1**	0.60	0.32	2/29/2012 20:07	J
Chromium	**1.2**	**ug/L**	**I,V**	**1**	4.0	0.50	2/29/2012 20:07	J
Iron	**38**	**ug/L**	**U**	**1**	200	38	2/29/2012 20:07	J
Manganese	**0.48**	**ug/L**	**I**	**1**	1.0	0.24	2/29/2012 20:07	J
Sodium	**3.1**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:07	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.49**	**ug/L**	**I**	**1**	0.60	0.073	3/1/2012 04:01	J
Lead	**0.076**	**ug/L**	**U**	**1**	0.70	0.076	3/1/2012 04:01	J
Silver	**0.059**	**ug/L**	**U**	**1**	0.30	0.059	3/1/2012 04:01	J
Thallium	**0.067**	**ug/L**	**U**	**1**	0.20	0.067	3/1/2012 04:01	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	2/27/2012 13:11	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**4.9**	**mg/L**	**I**	**1**	10	0.87	2/23/2012 11:19	A
Fluoride	**0.15**	**mg/L**	**I**	**1**	0.20	0.078	2/23/2012 11:19	A
Nitrate	**1.8**	**mg/L**		**1**	0.20	0.094	2/23/2012 11:19	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	**150**	**mg/L**		**1**	10	10	2/27/2012 07:57	T

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606004** Date Received: 02/22/12 17:10 Matrix: Water

Sample ID: **MW-4** Date Collected: 02/21/12 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	**568**	**umhos/cm**		**1**			2/21/2012 12:00	A^
Dissolved Oxygen	**0.7**	**mg/L**		**1**			2/21/2012 12:00	A^
Groundwater Elevation	**42.39**	**feet**		**1**			2/21/2012 12:00	A^
Temperature	**26.17**	**°C**		**1**			2/21/2012 12:00	A^
Turbidity	**3.9**	**NTU**		**1**			2/21/2012 12:00	A^
pH	**7.23**	**pH unit**		**1**			2/21/2012 12:00	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**460**	**ug/L**		**1**	200	61	2/29/2012 20:12	J
Cadmium	**0.34**	**ug/L**	**I**	**1**	0.60	0.32	2/29/2012 20:12	J
Chromium	**3.3**	**ug/L**	**I,V**	**1**	4.0	0.50	2/29/2012 20:12	J
Iron	**51**	**ug/L**	**I**	**1**	200	38	2/29/2012 20:12	J
Manganese	**4.9**	**ug/L**		**1**	1.0	0.24	2/29/2012 20:12	J
Sodium	**36**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:12	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.21**	**ug/L**	**I**	**1**	0.60	0.073	3/1/2012 04:10	J
Lead	**0.36**	**ug/L**	**I**	**1**	0.70	0.076	3/1/2012 04:10	J
Silver	**0.059**	**ug/L**	**U**	**1**	0.30	0.059	3/1/2012 04:10	J
Thallium	**0.11**	**ug/L**	**I**	**1**	0.20	0.067	3/1/2012 04:10	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	2/27/2012 13:12	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**18**	**mg/L**		**1**	10	0.87	2/23/2012 10:48	A
Fluoride	**0.13**	**mg/L**	**I**	**1**	0.20	0.078	2/23/2012 10:48	A
Nitrate	**7.2**	**mg/L**		**1**	0.20	0.094	2/23/2012 10:48	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606004** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4** Date Collected: 02/21/12 12:00

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	**340**	**mg/L**		**1**	10	10	2/27/2012 07:57	T

Lab ID: **A1201606005** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4A** Date Collected: 02/21/11 13:00

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**665**	**umhos/cm**		**1**			2/21/2012 13:00	A^
Dissolved Oxygen	**0.29**	**mg/L**		**1**			2/21/2012 13:00	A^
Groundwater Elevation	**42.55**	**feet**		**1**			2/21/2012 13:00	A^
Temperature	**26.42**	**°C**		**1**			2/21/2012 13:00	A^
Turbidity	**7.67**	**NTU**		**1**			2/21/2012 13:00	A^
pH	**7.09**	**pH unit**		**1**			2/21/2012 13:00	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**64**	**ug/L**	**I**	**1**	200	61	2/29/2012 20:17	J
Cadmium	**0.32**	**ug/L**	**U**	**1**	0.60	0.32	2/29/2012 20:17	J
Chromium	**1.8**	**ug/L**	**I,V**	**1**	4.0	0.50	2/29/2012 20:17	J
Iron	**38**	**ug/L**	**U**	**1**	200	38	2/29/2012 20:17	J
Manganese	**4.7**	**ug/L**		**1**	1.0	0.24	2/29/2012 20:17	J
Sodium	**26**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:17	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.099**	**ug/L**	**I**	**1**	0.60	0.073	3/1/2012 04:19	J
Lead	**0.076**	**ug/L**	**U**	**1**	0.70	0.076	3/1/2012 04:19	J
Silver	**0.059**	**ug/L**	**U**	**1**	0.30	0.059	3/1/2012 04:19	J
Thallium	**0.24**	**ug/L**		**1**	0.20	0.067	3/1/2012 04:19	J

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606005** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4A** Date Collected: 02/21/11 13:00

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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	2/27/2012 13:14	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**25**	**mg/L**		**2**	20	1.7	2/23/2012 11:50	A
Fluoride	**0.16**	**mg/L**	**U**	**2**	0.40	0.16	2/23/2012 11:50	A
Nitrate	**13**	**mg/L**		**2**	0.40	0.19	2/23/2012 11:50	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	**430**	**mg/L**		**1**	10	10	2/27/2012 07:57	T

Lab ID: **A1201606006** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4B** Date Collected: 02/22/12 11:15

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**142**	**umhos/cm**		**1**			2/22/2012 11:15	A^
Dissolved Oxygen	**4.97**	**mg/L**		**1**			2/22/2012 11:15	A^
Groundwater Elevation	**42.56**	**feet**		**1**			2/21/2012 11:15	A^
Temperature	**25.69**	**°C**		**1**			2/22/2012 11:15	A^
Turbidity	**9.71**	**NTU**		**1**			2/22/2012 11:15	A^
pH	**9.12**	**pH unit**		**1**			2/22/2012 11:15	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**640**	**ug/L**		**1**	200	61	2/29/2012 20:23	J

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606006** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4B** Date Collected: 02/22/12 11:15

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	2/29/2012 20:23	J
Chromium	**4.7**	**ug/L**	**V**	**1**	4.0	0.50	2/29/2012 20:23	J
Iron	**46**	**ug/L**	**I**	**1**	200	38	2/29/2012 20:23	J
Manganese	**0.27**	**ug/L**	**I**	**1**	1.0	0.24	2/29/2012 20:23	J
Sodium	**10**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:23	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.15**	**ug/L**	**I**	**1**	0.60	0.073	3/1/2012 04:28	J
Lead	**0.23**	**ug/L**	**I**	**1**	0.70	0.076	3/1/2012 04:28	J
Silver	**0.059**	**ug/L**	**U**	**1**	0.30	0.059	3/1/2012 04:28	J
Thallium	**0.067**	**ug/L**	**U**	**1**	0.20	0.067	3/1/2012 04:28	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	2/27/2012 13:16	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**4.5**	**mg/L**	**I**	**1**	10	0.87	2/23/2012 12:51	A
Fluoride	**0.14**	**mg/L**	**I**	**1**	0.20	0.078	2/23/2012 12:51	A
Nitrate	**4.3**	**mg/L**		**1**	0.20	0.094	2/23/2012 12:51	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	**98**	**mg/L**		**1**	10	10	2/27/2012 07:57	T

Lab ID: **A1201606007** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4C** Date Collected: 02/22/12 14:25

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab

FIELD PARAMETERS

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606007** Date Received: 02/22/12 17:10 Matrix: Water

Sample ID: **MW-4C** Date Collected: 02/22/12 14:25

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**522**	**umhos/cm**		**1**			2/22/2012 14:25	A^
Dissolved Oxygen	**1.32**	**mg/L**		**1**			2/22/2012 14:25	A^
Groundwater Elevation	**42.23**	**feet**		**1**			2/22/2012 14:25	A^
Temperature	**26.56**	**°C**		**1**			2/22/2012 14:25	A^
Turbidity	**11.2**	**NTU**		**1**			2/22/2012 14:25	A^
pH	**7.09**	**pH unit**		**1**			2/22/2012 14:25	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**700**	**ug/L**		**1**	200	61	2/29/2012 20:28	J
Cadmium	**0.34**	**ug/L**	**I**	**1**	0.60	0.32	2/29/2012 20:28	J
Chromium	**11**	**ug/L**	**V**	**1**	4.0	0.50	2/29/2012 20:28	J
Iron	**130**	**ug/L**	**I**	**1**	200	38	2/29/2012 20:28	J
Manganese	**48**	**ug/L**		**1**	1.0	0.24	2/29/2012 20:28	J
Sodium	**17**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:28	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.73**	**ug/L**	**U**	**10**	6.0	0.73	3/2/2012 17:55	J
Lead	**0.76**	**ug/L**	**U**	**10**	7.0	0.76	3/2/2012 17:55	J
Silver	**0.59**	**ug/L**	**U**	**10**	3.0	0.59	3/2/2012 17:55	J
Thallium	**0.67**	**ug/L**	**U**	**10**	2.0	0.67	3/2/2012 17:55	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	2/27/2012 13:17	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**11**	**mg/L**		**1**	10	0.87	2/23/2012 13:07	A
Fluoride	**0.17**	**mg/L**	**I**	**1**	0.20	0.078	2/23/2012 13:07	A
Nitrate	**5.3**	**mg/L**		**1**	0.20	0.094	2/23/2012 13:07	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606007** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4C** Date Collected: 02/22/12 14:25

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	**320**	**mg/L**		**1**	10	10	2/29/2012 08:14	T

Lab ID: **A1201606008** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4D** Date Collected: 02/22/12 10:38

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**369**	**umhos/cm**		**1**			2/22/2012 10:38	A^
Dissolved Oxygen	**3.5**	**mg/L**		**1**			2/22/2012 10:38	A^
Groundwater Elevation	**42.29**	**feet**		**1**			2/22/2012 10:38	A^
Temperature	**25.14**	**°C**		**1**			2/22/2012 10:38	A^
Turbidity	**12.6**	**NTU**		**1**			2/22/2012 10:38	A^
pH	**8.15**	**pH unit**		**1**			2/22/2012 10:38	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**1900**	**ug/L**		**1**	200	61	2/29/2012 20:33	J
Cadmium	**0.32**	**ug/L**	**U**	**1**	0.60	0.32	2/29/2012 20:33	J
Chromium	**9.9**	**ug/L**	**V**	**1**	4.0	0.50	2/29/2012 20:33	J
Iron	**150**	**ug/L**	**I**	**1**	200	38	2/29/2012 20:33	J
Manganese	**1.3**	**ug/L**		**1**	1.0	0.24	2/29/2012 20:33	J
Sodium	**11**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:33	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.73**	**ug/L**	**U**	**10**	6.0	0.73	3/2/2012 18:05	J
Lead	**0.76**	**ug/L**	**U**	**10**	7.0	0.76	3/2/2012 18:05	J
Silver	**0.59**	**ug/L**	**U**	**10**	3.0	0.59	3/2/2012 18:05	J
Thallium	**0.67**	**ug/L**	**U**	**10**	2.0	0.67	3/2/2012 18:05	J

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606008** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-4D** Date Collected: 02/22/12 10:38

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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	2/27/2012 13:19	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**11**	**mg/L**		**1**	10	0.87	2/23/2012 13:53	A
Fluoride	**0.078**	**mg/L**	**U**	**1**	0.20	0.078	2/23/2012 13:53	A
Nitrate	**7.4**	**mg/L**		**1**	0.20	0.094	2/23/2012 13:53	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	**260**	**mg/L**		**1**	10	10	2/27/2012 07:57	T

Lab ID: **A1201606009** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-6A** Date Collected: 02/22/12 15:35

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**249**	**umhos/cm**		**1**			2/22/2012 15:35	A^
Dissolved Oxygen	**6.56**	**mg/L**		**1**			2/22/2012 15:35	A^
Groundwater Elevation	**42.72**	**feet**		**1**			2/22/2012 15:35	A^
Temperature	**24.46**	**°C**		**1**			2/22/2012 15:35	A^
Turbidity	**10.5**	**NTU**		**1**			2/22/2012 15:35	A^
pH	**7.86**	**pH unit**		**1**			2/22/2012 15:35	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**61**	**ug/L**	**U**	**1**	200	61	2/29/2012 20:39	J

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606009** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-6A** Date Collected: 02/22/12 15:35

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	2/29/2012 20:39	J
Chromium	**6.5**	**ug/L**	**V**	**1**	4.0	0.50	2/29/2012 20:39	J
Iron	**38**	**ug/L**	**U**	**1**	200	38	2/29/2012 20:39	J
Manganese	**0.73**	**ug/L**	**I**	**1**	1.0	0.24	2/29/2012 20:39	J
Sodium	**3.2**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:39	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.073**	**ug/L**	**U**	**1**	0.60	0.073	3/1/2012 04:56	J
Lead	**0.076**	**ug/L**	**U**	**1**	0.70	0.076	3/1/2012 04:56	J
Silver	**0.059**	**ug/L**	**U**	**1**	0.30	0.059	3/1/2012 04:56	J
Thallium	**0.067**	**ug/L**	**U**	**1**	0.20	0.067	3/1/2012 04:56	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	2/27/2012 13:25	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**7.9**	**mg/L**	**I**	**1**	10	0.87	2/23/2012 17:13	A
Fluoride	**0.078**	**mg/L**	**U**	**1**	0.20	0.078	2/23/2012 17:13	A
Nitrate	**5.8**	**mg/L**		**1**	0.20	0.094	2/23/2012 17:13	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	**200**	**mg/L**		**1**	10	10	2/29/2012 08:14	T

Lab ID: **A1201606010** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-8** Date Collected: 02/21/12 14:45

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab

FIELD PARAMETERS

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606010** Date Received: 02/22/12 17:10 Matrix: Water

Sample ID: **MW-8** Date Collected: 02/21/12 14:45

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**343**	**umhos/cm**		**1**			2/21/2012 14:45	A^
Dissolved Oxygen	**3.96**	**mg/L**		**1**			2/21/2012 14:45	A^
Groundwater Elevation	**43.71**	**feet**		**1**			2/21/2012 14:45	A^
Temperature	**24.56**	**°C**		**1**			2/21/2012 14:45	A^
Turbidity	**6.22**	**NTU**		**1**			2/21/2012 14:45	A^
pH	**7.36**	**pH unit**		**1**			2/21/2012 14:45	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**61**	**ug/L**	**U**	**1**	200	61	2/29/2012 20:44	J
Cadmium	**0.32**	**ug/L**	**U**	**1**	0.60	0.32	2/29/2012 20:44	J
Chromium	**4.1**	**ug/L**	**V**	**1**	4.0	0.50	2/29/2012 20:44	J
Iron	**76**	**ug/L**	**I**	**1**	200	38	2/29/2012 20:44	J
Manganese	**3.3**	**ug/L**		**1**	1.0	0.24	2/29/2012 20:44	J
Sodium	**5.1**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:44	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**ug/L**	**I**	**1**	0.60	0.073	3/1/2012 05:06	J
Lead	**0.076**	**ug/L**	**U**	**1**	0.70	0.076	3/1/2012 05:06	J
Silver	**0.059**	**ug/L**	**U**	**1**	0.30	0.059	3/1/2012 05:06	J
Thallium	**0.067**	**ug/L**	**U**	**1**	0.20	0.067	3/1/2012 05:06	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	2/27/2012 13:26	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**7.8**	**mg/L**	**I**	**1**	10	0.87	2/23/2012 11:34	A
Fluoride	**0.078**	**mg/L**	**U**	**1**	0.20	0.078	2/23/2012 11:34	A
Nitrate	**1.9**	**mg/L**		**1**	0.20	0.094	2/23/2012 11:34	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606010** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-8** Date Collected: 02/21/12 14:45

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	**210**	**mg/L**		**1**	10	10	2/27/2012 07:57	T

Lab ID: **A1201606011** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-9A** Date Collected: 02/22/12 13:00

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance	Analytical Method: DISRES							
Conductance	**911**	**umhos/cm**		**1**			2/22/2012 13:00	A^
Dissolved Oxygen	**0.21**	**mg/L**		**1**			2/22/2012 13:00	A^
Groundwater Elevation	**41.52**	**feet**		**1**			2/22/2012 13:00	A^
Temperature	**25.23**	**°C**		**1**			2/22/2012 13:00	A^
Turbidity	**14.1**	**NTU**		**1**			2/22/2012 13:00	A^
pH	**6.55**	**pH unit**		**1**			2/22/2012 13:00	A^
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**570**	**ug/L**		**1**	200	61	2/29/2012 20:49	J
Cadmium	**1.5**	**ug/L**		**1**	0.60	0.32	2/29/2012 20:49	J
Chromium	**11**	**ug/L**	**V**	**1**	4.0	0.50	2/29/2012 20:49	J
Iron	**940**	**ug/L**		**1**	200	38	2/29/2012 20:49	J
Manganese	**91**	**ug/L**		**1**	1.0	0.24	2/29/2012 20:49	J
Sodium	**21**	**mg/L**	**V**	**1**	0.20	0.026	2/29/2012 20:49	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.73**	**ug/L**	**U**	**10**	6.0	0.73	3/2/2012 18:14	J
Lead	**0.76**	**ug/L**	**U**	**10**	7.0	0.76	3/2/2012 18:14	J
Silver	**0.59**	**ug/L**	**U**	**10**	3.0	0.59	3/2/2012 18:14	J
Thallium	**0.67**	**ug/L**	**U**	**10**	2.0	0.67	3/2/2012 18:14	J

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606011** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **MW-9A** Date Collected: 02/22/12 13:00

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.22**	**ug/L**		**1**	0.10	0.014	2/27/2012 13:28	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**21**	**mg/L**		**1**	10	0.87	2/24/2012 08:52	A
Fluoride	**0.16**	**mg/L**	**I**	**1**	0.20	0.078	2/24/2012 08:52	A
Nitrate	**0.10**	**mg/L**	**I**	**1**	0.20	0.094	2/24/2012 08:52	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.34**	**mg/L**		**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	**560**	**mg/L**		**1**	10	10	2/29/2012 08:14	T

Lab ID: **A1201606012** Date Received: 02/22/12 17:10 Matrix: Water
Sample ID: **EQUIPMENT BLANK** Date Collected: 02/21/12 10:30

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Aluminum	**61**	**ug/L**	**U**	**1**	200	61	2/29/2012 20:54	J
Cadmium	**0.32**	**ug/L**	**U**	**1**	0.60	0.32	2/29/2012 20:54	J
Chromium	**1.0**	**ug/L**	**I,V**	**1**	4.0	0.50	2/29/2012 20:54	J
Iron	**38**	**ug/L**	**U**	**1**	200	38	2/29/2012 20:54	J
Manganese	**0.89**	**ug/L**	**I**	**1**	1.0	0.24	2/29/2012 20:54	J
Sodium	**0.053**	**mg/L**	**I,V**	**1**	0.20	0.026	2/29/2012 20:54	J
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.26**	**ug/L**	**I**	**1**	0.60	0.073	3/1/2012 05:43	J

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ANALYTICAL RESULTS

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID: **A1201606012** Date Received: 02/22/12 17:10 Matrix: Water

Sample ID: **EQUIPMENT BLANK** Date Collected: 02/21/12 10:30

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Lead	**0.076**	**ug/L**	**U**	**1**	0.70	0.076	3/1/2012 05:43	J
Silver	**0.059**	**ug/L**	**U**	**1**	0.30	0.059	3/1/2012 05:43	J
Thallium	**0.067**	**ug/L**	**U**	**1**	0.20	0.067	3/1/2012 05:43	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	2/27/2012 13:30	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Chloride	**0.87**	**mg/L**	**U**	**1**	10	0.87	2/23/2012 10:04	A
Fluoride	**0.078**	**mg/L**	**U**	**1**	0.20	0.078	2/23/2012 10:04	A
Nitrate	**0.094**	**mg/L**	**U**	**1**	0.20	0.094	2/23/2012 10:04	A
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**mg/L**	**U**	**1**	0.10	0.025	2/27/2012 10:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540C							
Total Dissolved Solids	**10**	**mg/L**	**U**	**1**	10	10	2/27/2012 07:57	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: A1201606 Sumter Co. Landfill - GW

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.
V	Method Blank Contamination

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: A1201606 Sumter Co. Landfill - GW

QC Batch: WCAa/1237 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Prepared:
Associated Lab Samples: A1201606001, A1201606002, A1201606003, A1201606004, A1201606005, A1201606006, A1201606007,

METHOD BLANK: 911337

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Fluoride	mg/L	0.078	0.078	U
Chloride	mg/L	0.87	0.87	U
Nitrate	mg/L	0.094	0.094	U

LABORATORY CONTROL SAMPLE: 911338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Fluoride	mg/L	3	2.8	94	90-110	
Chloride	mg/L	30	28	94	90-110	
Nitrate	mg/L	3	2.9	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 911339 911340 Original: A1201606003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Fluoride	mg/L	0.15	3	2.9	2.9	91	91	90-110	0	10	
Nitrate	mg/L	1.8	3	4.7	4.7	96	96	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 911341 911342 Original: A1201606004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	18	10	27	27	94	92	90-110	1	10	

QC Batch: WCAa/1239 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Prepared:
Associated Lab Samples: A1201606009, A1201606011

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QUALITY CONTROL DATA

Workorder: A1201606 Sumter Co. Landfill - GW

METHOD BLANK: 911366

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Fluoride	mg/L	0.078	0.078	U
Chloride	mg/L	0.87	0.87	U
Nitrate	mg/L	0.094	0.094	U

LABORATORY CONTROL SAMPLE: 911367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Fluoride	mg/L	3	2.8	93	90-110	
Chloride	mg/L	30	28	94	90-110	
Nitrate	mg/L	3	2.9	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 911368 911369 Original: A1201606009

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Fluoride	mg/L	0	3	2.9	2.9	96	96	90-110	0	10	
Nitrate	mg/L	5.8	3	8.8	8.8	101	101	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 911370 911371 Original: A1201606011

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	21	10	32	32	102	104	90-110	1	10	

QC Batch: WCAt/2043 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: A1201606002, A1201606003, A1201606004, A1201606005

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QUALITY CONTROL DATA

Workorder: A1201606 Sumter Co. Landfill - GW

METHOD BLANK: 911644

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

LABORATORY CONTROL SAMPLE: 911645

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	3	3.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 911646 911647 Original: A1201606002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0	3	3.1	2.8	103	94	90-110	9	10	

QC Batch: WCAt/2044 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: A1201606001, A1201606006, A1201606007, A1201606008, A1201606009, A1201606010, A1201606011, A1201606012

METHOD BLANK: 911648

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

LABORATORY CONTROL SAMPLE: 911649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	3	3.0	101	90-110	

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QUALITY CONTROL DATA

Workorder: A1201606 Sumter Co. Landfill - GW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 911650 911651 Original: A1201606001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0	3	3.3	3.2	110	105	90-110	4	10	

QC Batch: DGMj/1203 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 02/27/2012 08:30
Associated Lab Samples: A1201606001, A1201606002, A1201606003, A1201606004, A1201606005, A1201606006, A1201606007,

METHOD BLANK: 912013

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

LABORATORY CONTROL SAMPLE & LCSD: 912014 912015

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Mercury	ug/L	2	1.9	2.0	96	98	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 912016 912017 Original: A1201606001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.013	2	1.9	1.9	95	96	80-120	1	20	

QC Batch: WCAt/2066 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Prepared:
Associated Lab Samples: A1201606002, A1201606003, A1201606004, A1201606005, A1201606006, A1201606008, A1201606010, A1201606012

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QUALITY CONTROL DATA

Workorder: A1201606 Sumter Co. Landfill - GW

METHOD BLANK: 912517

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

LABORATORY CONTROL SAMPLE: 912518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	660	100	75-125	

SAMPLE DUPLICATE: 912519 Original: A1201606002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	330	330	1	20	

SAMPLE DUPLICATE: 912520 Original: T1202280001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	270	270	0	20	

QC Batch: WCAt/2107 Analysis Method: SM 2540C

QC Batch Method: SM 2540C Prepared:

Associated Lab Samples: A1201606001, A1201606007, A1201606009, A1201606011

METHOD BLANK: 913357

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

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QUALITY CONTROL DATA

Workorder: A1201606 Sumter Co. Landfill - GW

SAMPLE DUPLICATE: 913359 Original: T1202239001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	280	280	1	20	

SAMPLE DUPLICATE: 913360 Original: T1202336004

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	600	600	0	20	

QC Batch: DGMj/1223 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 02/29/2012 03:30

Associated Lab Samples: A1201606001, A1201606002, A1201606003, A1201606004, A1201606005, A1201606006, A1201606007,

METHOD BLANK: 913385

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	0.74	0.50	I
Iron	ug/L	38	38	U
Manganese	ug/L	0.24	0.24	U
Sodium	mg/L	0.027	0.026	I

LABORATORY CONTROL SAMPLE & LCSD: 913386 913387

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Aluminum	ug/L	25000	24000	25000	96	98	80-120	1	20	
Cadmium	ug/L	400	380	380	95	95	80-120	1	20	
Chromium	ug/L	400	400	400	99	99	80-120	0	20	
Iron	ug/L	25000	25000	25000	97	98	80-120	1	20	
Manganese	ug/L	400	390	390	98	98	80-120	0	20	
Sodium	mg/L	50	49	50	97	98	80-120	2	20	

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QUALITY CONTROL DATA

Workorder: A1201606 Sumter Co. Landfill - GW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 913388 913389 Original: A1201606001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Aluminum	ug/L	420	25000	25000	25000	98	98	75-125	0	20	
Cadmium	ug/L	0.48	400	380	380	95	95	75-125	0	20	
Chromium	ug/L	4.9	400	400	400	99	98	75-125	1	20	
Iron	ug/L	360	25000	25000	26000	99	100	75-125	1	20	
Manganese	ug/L	17	400	410	410	98	98	75-125	1	20	
Sodium	mg/L	6.1	50	56	56	99	99	75-125	0	20	

QC Batch: DGMj/1225 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 02/29/2012 03:30

Associated Lab Samples: A1201606001, A1201606002, A1201606003, A1201606004, A1201606005, A1201606006, A1201606007,

METHOD BLANK: 913397

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: 913398 913399

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Silver	ug/L	100	99	99	99	99	80-120	0	20	
Antimony	ug/L	100	110	110	108	108	80-120	0	20	
Thallium	ug/L	100	99	98	99	98	80-120	1	20	
Lead	ug/L	100	97	97	97	97	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 913400 913401 Original: A1201606001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											

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QUALITY CONTROL DATA

Workorder: A1201606 Sumter Co. Landfill - GW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 913400 913401 Original: A1201606001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Silver	ug/L	0.031	100	96	96	96	96	75-125	0	20	
Antimony	ug/L	1.1	100	110	110	110	112	75-125	1	20	
Thallium	ug/L	0.078	100	110	110	105	106	75-125	1	20	
Lead	ug/L	0.28	100	100	100	102	103	75-125	1	20	

QUALITY CONTROL DATA QUALIFIERS

Workorder: A1201606 Sumter Co. Landfill - GW

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.

V Method Blank Contamination

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1201606001	MW-10			EPA 300.0	WCAa/1237
A1201606002	MW-11			EPA 300.0	WCAa/1237
A1201606003	MW-2			EPA 300.0	WCAa/1237
A1201606004	MW-4			EPA 300.0	WCAa/1237
A1201606005	MW-4A			EPA 300.0	WCAa/1237
A1201606006	MW-4B			EPA 300.0	WCAa/1237
A1201606007	MW-4C			EPA 300.0	WCAa/1237
A1201606008	MW-4D			EPA 300.0	WCAa/1237
A1201606010	MW-8			EPA 300.0	WCAa/1237
A1201606012	EQUIPMENT BLANK			EPA 300.0	WCAa/1237
A1201606009	MW-6A			EPA 300.0	WCAa/1239
A1201606011	MW-9A			EPA 300.0	WCAa/1239
A1201606002	MW-11			EPA 350.1	WCAt/2043
A1201606003	MW-2			EPA 350.1	WCAt/2043
A1201606004	MW-4			EPA 350.1	WCAt/2043
A1201606005	MW-4A			EPA 350.1	WCAt/2043
A1201606001	MW-10			EPA 350.1	WCAt/2044
A1201606006	MW-4B			EPA 350.1	WCAt/2044
A1201606007	MW-4C			EPA 350.1	WCAt/2044
A1201606008	MW-4D			EPA 350.1	WCAt/2044
A1201606009	MW-6A			EPA 350.1	WCAt/2044
A1201606010	MW-8			EPA 350.1	WCAt/2044
A1201606011	MW-9A			EPA 350.1	WCAt/2044
A1201606012	EQUIPMENT BLANK			EPA 350.1	WCAt/2044
A1201606001	MW-10	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606002	MW-11	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606003	MW-2	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606004	MW-4	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606005	MW-4A	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1201606006	MW-4B	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606007	MW-4C	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606008	MW-4D	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606009	MW-6A	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606010	MW-8	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606011	MW-9A	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606012	EQUIPMENT BLANK	SW-846 7470A	DGMj/1203	SW-846 7470A	CVAj/1039
A1201606002	MW-11			SM 2540C	WCAt/2066
A1201606003	MW-2			SM 2540C	WCAt/2066
A1201606004	MW-4			SM 2540C	WCAt/2066
A1201606005	MW-4A			SM 2540C	WCAt/2066
A1201606006	MW-4B			SM 2540C	WCAt/2066
A1201606008	MW-4D			SM 2540C	WCAt/2066
A1201606010	MW-8			SM 2540C	WCAt/2066
A1201606012	EQUIPMENT BLANK			SM 2540C	WCAt/2066
A1201606001	MW-10			SM 2540C	WCAt/2107
A1201606007	MW-4C			SM 2540C	WCAt/2107
A1201606009	MW-6A			SM 2540C	WCAt/2107
A1201606011	MW-9A			SM 2540C	WCAt/2107
A1201606001	MW-10	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606002	MW-11	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606003	MW-2	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606004	MW-4	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606005	MW-4A	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606006	MW-4B	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606007	MW-4C	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606008	MW-4D	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606009	MW-6A	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606010	MW-8	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606011	MW-9A	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138
A1201606012	EQUIPMENT BLANK	SW-846 3010A	DGMj/1223	SW-846 6010	ICPj/1138

CERTIFICATE OF ANALYSIS

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3004.1.0.0

Advanced Environmental Laboratories, Inc
528 S. North Lake Blvd, Suite 1016
Altamonte Springs, FL 32701
Phone: (407)937-1594
Fax: (407)937-1597

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1201606 Sumter Co. Landfill - GW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1201606001	MW-10	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606002	MW-11	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606003	MW-2	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606004	MW-4	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606005	MW-4A	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606006	MW-4B	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606007	MW-4C	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606008	MW-4D	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606009	MW-6A	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606010	MW-8	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606011	MW-9A	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606012	EQUIPMENT BLANK	SW-846 3010A	DGMj/1225	SW-846 6020	ICMj/1045
A1201606001	MW-10	DISRES	FLDa/	DISRES	FLDa/
A1201606002	MW-11	DISRES	FLDa/	DISRES	FLDa/
A1201606003	MW-2	DISRES	FLDa/	DISRES	FLDa/
A1201606004	MW-4	DISRES	FLDa/	DISRES	FLDa/
A1201606005	MW-4A	DISRES	FLDa/	DISRES	FLDa/
A1201606006	MW-4B	DISRES	FLDa/	DISRES	FLDa/
A1201606007	MW-4C	DISRES	FLDa/	DISRES	FLDa/
A1201606008	MW-4D	DISRES	FLDa/	DISRES	FLDa/
A1201606009	MW-6A	DISRES	FLDa/	DISRES	FLDa/
A1201606010	MW-8	DISRES	FLDa/	DISRES	FLDa/
A1201606011	MW-9A	DISRES	FLDa/	DISRES	FLDa/

CERTIFICATE OF ANALYSIS

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3004.1.0.0

Florida Radiochemistry Services, Inc.

Contact: Michael J. Naumann
5456 Hoffner Ave., Suite 201 Orlando, FL 32812
Phone: (407) 382-7733 Fax: (407)382-7744
Certification I. D. # E83033

Work Order #: 1202195
Report Date: 03/07/12

Report to:

Advanced Environmental Laboratories, Inc.
528 S. North Lake Blvd., Ste. 1016
Altamonte Springs, FL 32701
Attention: Myrna Santiago

I do hereby affirm that this record contains no willful misrepresentations and that this information given by me is true to the best of my knowledge and belief. I further certify that the methods and quality control measures used to produce these laboratory results were implemented in accordance with the requirements of this laboratory's certification and NELAC Standards. The test results in this report relate only to the samples received.

Signed Michael J. Naumann Date 3-7-12
Michael J. Naumann - President
Shawn M. Naumann - Laboratory Manager

Florida Radiochemistry Services, Inc.

Sample Login

Client:	**Advanced Environmental Laboratories, Inc.**	**Date / Time Received**	**Work order #**
		02/24/12 08:40	**1202195**
Client Contact:	**Myrna Santiago**		
Client P.O.			
Project I.D.	**A1201606**		

Lab Sample I.D.	Client Sample I.D.	Sample Date/Time	Analysis Requested
1202195-10	A1201606001	02/22/12 12:05	Ga, Ra226, Ra228
1202195-02	A1201606002	02/22/12 11:15	Ga, Ra226, Ra228
1202195-03	A1201606003	02/22/12 13:52	Ga, Ra226, Ra228
1202195-04	A1201606004	02/22/12 12:00	Ga, Ra226, Ra228
1202195-05	A1201606005	02/22/12 13:00	Ga, Ra226, Ra228
1202195-06	A1201606006	02/22/12 11:15	Ga, Ra226, Ra228
1202195-07	A1201606007	02/22/12 14:25	Ga, Ra226, Ra228
1202195-08	A1201606008	02/22/12 10:38	Ga, Ra226, Ra228
1202195-09	A1201606009	02/22/12 15:35	Ga, Ra226, Ra228
1202195-10	A1201606010	02/22/12 14:45	Ga, Ra226, Ra228
1202195-11	A1201606011	02/22/12 13:00	Ga, Ra226, Ra228
1202195-12	A1201606012	02/22/12 10:30	Ga, Ra226, Ra228

Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D.	1202195-10	1202195-02	1202195-03	1202195-04	1202195-05	1202195-06
Client I.D.	A1201606001	A1201606002	A1201606003	A1201606004	A1201606005	A1201606006
Gross Alpha	8.9	11.6	1.2U	5.9	2.6	1.0
Error +/-	1.2	1.5	0.9	2.2	0.9	0.8
MDL	0.9	1.0	1.2	1.6	0.9	0.9
EPA Method	900.0	900.0	900.0	900.0	900.0	900.0
Prep Date	02/28/12	02/28/12	02/28/12	02/28/12	02/28/12	02/28/12
Prep Time	06:14	06:14	06:14	06:14	06:14	06:14
Analysis Date	02/29/12	02/29/12	02/29/12	02/29/12	02/29/12	02/29/12
Analysis Time	13:39	13:39	06:53	06:53	13:39	06:53
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 226	1.9	2.4	0.5	1.0	0.9	0.3
Error +/-	0.2	0.3	0.2	0.2	0.2	0.2
MDL	0.2	0.2	0.2	0.2	0.1	0.2
EPA Method	903.1	903.1	903.1	903.1	903.1	903.1
Prep Date	02/27/12	02/27/12	02/27/12	02/27/12	02/27/12	02/27/12
Prep Time	08:51	08:51	08:51	08:51	08:51	08:51
Analysis Date	03/05/12	03/05/12	03/05/12	03/05/12	03/05/12	03/05/12
Analysis Time	09:58	11:00	11:00	11:00	11:00	11:00
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 228	0.8U	0.9	0.7	0.8U	0.9U	0.9U
Error +/-	0.5	0.6	0.5	0.5	0.6	0.5
MDL	0.8	0.9	0.7	0.8	0.9	0.9
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	02/27/12	02/27/12	02/27/12	02/27/12	02/27/12	02/27/12
Prep Time	08:51	08:51	08:51	08:51	08:51	08:51
Analysis Date	03/05/12	03/05/12	03/05/12	03/05/12	03/05/12	03/05/12
Analysis Time	09:56	09:56	10:57	10:57	10:57	10:57
Analyst	SN	SN	SN	SN	SN	SN
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l

A U next to a result indicates analyte not detected at the MDL level

Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D.	1202195-07	1202195-08	1202195-09	1202195-10	1202195-11	1202195-12
Client I.D.	A1201606007	A1201606008	A1201606009	A1201606010	A1201606011	A1201606012
Gross Alpha	7.5	2.3	1.7U	2.3U	9.5	0.5U
Error +/-	1.6	1.6	1.3	1.6	1.9	0.4
MDL	1.7	1.9	1.7	2.3	1.8	0.5
EPA Method	900.0	900.0	900.0	900.0	900.0	900.0
Prep Date	02/28/12	02/28/12	02/28/12	02/28/12	02/28/12	02/28/12
Prep Time	06:14	06:14	06:14	06:14	06:14	06:14
Analysis Date	02/29/12	02/29/12	02/29/12	02/29/12	02/29/12	02/29/12
Analysis Time	10:05	07:01	07:01	07:01	13:39	07:08
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 226	0.9	0.4	0.5	0.4	3.0	0.1
Error +/-	0.2	0.1	0.1	0.1	0.3	0.1
MDL	0.1	0.1	0.1	0.1	0.2	0.1
EPA Method	903.1	903.1	903.1	903.1	903.1	903.1
Prep Date	02/28/12	02/28/12	02/28/12	02/28/12	02/28/12	02/28/12
Prep Time	08:53	08:53	08:53	08:53	08:53	08:53
Analysis Date	03/06/12	03/06/12	03/06/12	03/06/12	03/06/12	03/06/12
Analysis Time	10:01	10:01	10:01	10:01	11:02	11:02
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 228	0.9U	0.9U	0.8U	0.9U	1.0U	0.8U
Error +/-	0.6	0.6	0.5	0.6	0.6	0.5
MDL	0.9	0.9	0.8	0.9	1.0	0.8
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	02/28/12	02/28/12	02/28/12	02/28/12	02/28/12	02/28/12
Prep Time	08:53	08:53	08:53	08:53	08:53	08:53
Analysis Date	03/06/12	03/06/12	03/06/12	03/06/12	03/06/12	03/06/12
Analysis Time	10:40	10:40	10:40	10:40	10:40	11:42
Analyst	SN	SN	SN	SN	SN	SN
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l

A U next to a result indicates analyte not detected at the MDL level

Florida Radiochemistry Services, Inc.

QA Page

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	1202195-08	02/29/12	2.3	11.7	13.2	11.7	93	12.0
Radium 226	1202174-01	03/05/12	0.5	25.2	26.1	23.9	102	8.8
Radium 228	1202174-01	03/05/12	<0.9	9.6	10.1	9.8	105	3.0

	Quality Control Limits	
	% RPD	% Rec.
Gross Alpha	25.0	60-125
Radium 226	23.4	78-125
Radium 228	23.9	67-125

Chain of Custody

Document 6996 - HBN 4918 **Workorder** Sumter Co. Landfill - GW **Results Requested By** 3/4/2012

Report To

Myrna Santiago
Advanced Environmental Laboratories, Inc
528 S. North Lake Blvd, Suite 1016
Altamonte Springs, FL 32701
Phone (407)937-1594
Fax (407)937-1597

Subcontract To

FLRAD-Orlando-FL
Florida Radiochemistry
5456 Hoffner Rd.
Suite 201
Orlando, FL 32812-2517
Phone
Fax

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3						Requested Analysis: EPA 903.1	EPA Ra-05	EPA 900										LAB USE ONLY
1	MW-10	2/22/2012 12:05	A1201606001	Water	2						X	X	X										
2	MW-11	2/21/2011 11:15	A1201606002	Water	2						X	X	X										
3	MW-2	2/21/2011 13:52	A1201606003	Water	2						X	X	X										
4	MW-4	2/21/2011 12:00	A1201606004	Water	2						X	X	X										
5	MW-4A	2/21/2011 13:00	A1201606005	Water	2						X	X	X										
6	MW-4B	2/22/2012 11:15	A1201606006	Water	2						X	X	X										
7	MW-4C	2/22/2012 14:25	A1201606007	Water	2						X	X	X										
8	MW-4D	2/22/2012 10:38	A1201606008	Water	2						X	X	X										
9	MW-6A	2/22/2012 15:35	A1201606009	Water	2						X	X	X										
10	MW-8	2/21/2012 14:45	A1201606010	Water	2						X	X	X										
11	MW-9A	2/22/2012 13:00	A1201606011	Water	2						X	X	X										
12	EQUIPMENT BLANK	2/21/2012 10:30	A1201606012	Water	2						X	X	X										

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: NA	SAMPLE ID: EQB
DATE: 2/21/12	

PURGING DATA

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): NA	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (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)
= gallons + (gallons/foot X feet) + 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)
NA											

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: H. L. Claytor, Colinas Group, Inc.	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1020	SAMPLING ENDED AT: 1030
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: 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
EQB	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP
~~" DC~~		~~Various~~	~~Various~~	~~Various~~	~~None~~	—	~~Appendix I Parameters~~	~~ESP~~

REMARKS:

Field deconed 5 gallon PE bucket, SS ESP and WL probe IAW DEP-SOP-001/01, FC1000. Poured 1 gallon of DI water into bucket, inserted SS ESP and WL probe, and circulated DI water through pump and over WL probe for several minutes. Collected samples with intermediate container (unpreserved sample bottle).

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)y

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)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-2	SAMPLE ID: MW-2
	DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 26.57'	PURGE PUMP TYPE 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 – 26.57' feet) X .16 gallons/foot = .856 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 + (.000 gallons/foot X 31' feet) + .125 gallons = .2056 gallons~~ 0 + (.0026 X 31') + .16 X 3 = .6168 gal

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):
~28'	~28'	1319	1338	1.14

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)
1334	.90	.90	.06	26.71	6.89	26.63	233	3.87	1.35	Clear	None
1336	.12	1.02	.06	26.71'	6.88	26.60	233	3.89	0.63	Clear	None
1338	.12	1.14	.06	26.71'	6.88	26.55	233	3.86	0.39	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; 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: H. L. Claytor, Colinas Group, Inc.	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1339	SAMPLING ENDED AT: 1352
PUMP OR TUBING DEPTH IN WELL (feet): ~28'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION # CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	2	PE	1 Ltr	HN03	None	—	GrossAlpha, 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:
1319: Set dedicated 1/4" PE tubing @ ~28' btoc and began pursing @ .06 gpm with a PP.
1326: WL 26.71' @ .06 gpm, GW is clear. DO is high @ 4.07 mg/L, but is typical for this well. Will use optional stabilization critria below.
1331: WL 26.71' @ .06 gpm, drawdown is stable. All parameters are stable or in range.
1333: WL 26.71' @ .06 gpm.

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)y

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)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill
SITE LOCATION: Sumterville, FL
WELL NO: MW-4
SAMPLE ID: MW-4
DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC
TUBING DIAMETER (inches): .3/8"
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 27.97
PURGE PUMP TYPE OR BAILER: ESP

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= 1.083
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.006 gallons/foot X 36' feet) + .125 gallons = .361 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~31'
FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~31'
PURGING INITIATED AT: 1134
PURGING ENDED AT: 1147
TOTAL VOLUME PURGED (gallons): 2.60

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)
1143	1.80	1.80	.2	28.43'	7.24	26.18	566	.23	2.38	Clear	Slight
1145	.4	2.20	.2	28.43'	7.24	26.18	568	.22	5.22	Clear	Sulfur
1147	.4	2.60	.2	28.44'	7.23	26.17	568	.20	3.90	Clear	Same
								No stream			Same

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" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group, Inc.
SAMPLER(S) SIGNATURES:
SAMPLING INITIATED AT: 1148
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
FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm
Filtration Equipment Type:
DUPLICATE: Y (N)

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-4	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:
1134: Inserted SS ESP and dedicated 3/8" PE tubing to ~31' btoc and began purging @ .2 gpm.
1139: WL 28.43' @ .2 gpm, GW is clear.
1142: WL 28.43' @ .2 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 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)y

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)

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: 2/21/12	

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 33.18	PURGE PUMP TYPE OR BAILER: ESP

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 33' feet) + .125 gallons = .343 gallons X3 = 1.029

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):
~40'	~40'	1231	1248	3.40

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)
1244	2.60	2.60	.2	33.30'	7.09	26.40	666	.34	12.2	Clear	None
1246	.4	3.00	.2	33.30	7.09	26.42	666	.31	10.4	Clear	None
1248	.4	3.40	.2	33.30'	7.09	26.42	665	.29	7.63	Clear	None
								No stream			

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" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1249	SAMPLING ENDED AT: 1300
PUMP OR TUBING DEPTH IN WELL (feet): ~40	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: ____ 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-4A	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:
1231: Inserted SS ESP and dedicated 3/8" PE tubing to ~40' btoc and began purging @ .2 gpm.
1236: WL 33.27' @ .2 gpm, GW is turbid @ 98 NTUs. Will over purge to clear it up.
1241: WL 33.30' @ .2 gpm, turbidity is @ 33 NTUs. Continue purge.
1243: WL 33.30' @ .2 gpm, turbidity has dropped to 18 NTUs. 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 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)y

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)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill
SITE LOCATION: Sumterville, FL
WELL NO: MW-4B
SAMPLE ID: MW-4B
DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC
TUBING DIAMETER (inches): 3/8"
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 31.27
PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
1 Well Vol = (38.49' feet – 31.27' feet) X .16 gallons/foot = 1.1552 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 38' feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~33'
FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~33'
PURGING INITIATED AT: 1052
PURGING ENDED AT: 1104
TOTAL VOLUME PURGED (gallons): 2.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1100	1.60	1.60	.2	31.47'	9.17	25.66	139	5.04	13.6	Clear	None
1102	.4	2.00	.2	31.47'	9.15	25.65	141	5.07	12.8	Clear	None
1104	.4	2.40	.2	31.47'	9.12	25.69	142	4.97	9.71	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; 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: H. L. Claytor, Colinas Group, Inc.
SAMPLER(S) SIGNATURES:
SAMPLING INITIATED AT: 1105
SAMPLING ENDED AT: 1115
PUMP OR TUBING DEPTH IN WELL (feet): ~33'
SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL
TUBING MATERIAL CODE: PE
FIELD DECONTAMINATION: (Y) N
FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm
Filtration Equipment Type:
DUPLICATE: Y (N)

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-4B	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:
1052: Set SS ESP and dedicated 3/8" PE tubing @ ~33' btoc and began purging @ .2 gpm.
1056: WL 31.47' @ .2 gpm, GW is clear.
1058: WL 31.47' @ .2 gpm, all parameters are stable or in range. DO and pH are high, but this is typical for this well. Will use optional stabilization criteria below.

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)y

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)

2.0
1.2

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill
SITE LOCATION: Sumterville, FL
WELL NO: MW-4C
SAMPLE ID: MW-4C
DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC
TUBING DIAMETER (inches): .3/8"
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 28.65
PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (44.62' 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 feet) + .125 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~43'
FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~43'
PURGING INITIATED AT: 1323
PURGING ENDED AT: 1414
TOTAL VOLUME PURGED (gallons): 16.10

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)
1410	14.90	14.90	.3	31.73'	7.09	26.52	524	1.31	13.7	Clear	None
1412	.6	15.50	.3	31.68'	7.09	26.52	521	1.33	12.1	Clear	None
1414	.6	16.10	.3	31.68	7.09	26.56	522	1.32	11.2	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; 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: H. L. Claytor, Colinas Group, Inc.
SAMPLER(S) SIGNATURES:
SAMPLING INITIATED AT: 1415
SAMPLING ENDED AT: 1425
PUMP OR TUBING DEPTH IN WELL (feet): ~43'
SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL
TUBING MATERIAL CODE: PE
FIELD DECONTAMINATION: (Y) N
FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm
Filtration Equipment Type: ____
DUPLICATE: Y (N)

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-4C	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:
1323: Inserted SS ESP and new 3/8" PE tubing to ~43' btoc and began purging @ 1 gpm.
1325: WL has drawn down to 43' btoc (bottom of pump). Shut down pump. Will allow to recover and purge at a slower rate. This is first sampling event for this well. GW is extremely turbid (muddy tan).
1328: Restarted pump @ .4 gpm, GW is muddy tan.
1331: Well is drawing down, reduced flow to .3 gpm. WL 32.07'. Raised tubing to ~40' btoc.

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 = 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)y

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)

8.0 1.50 ~~1.30~~ 1.0 7.5 44 13.8

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-4D	SAMPLE ID: MW-4D
	DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 31.06'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (~~44.62'~~ 45.66' 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 = .415 gallons X 3 = 1.245

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):
~44'	~40'	0914	1028	25.3

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)
1024	23.30	23.30	.5	31.35	8.16	25.13	369	3.48	12.9	Clear	None
1026	1	24.30	.5	31.34	8.15	25.15	369	3.50	13.2	Clear	None
1028	1	25.30	.5	31.33	8.15	25.14	369	3.50	12.6	Clear	None
								Noshown			

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" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1029	SAMPLING ENDED AT: 1038
PUMP OR TUBING DEPTH IN WELL (feet): ~40'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: 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-4D	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:
0914: Inserted SS ESP and new 3/8" PE tubing to ~44' btoc and began purging @ .5 gpm.
0917: GW is extremely turbid, muddy, tan colored. Increased flow to 1 gpm. This is the first sampling event for this well.
0930: GW is still extremely turbid, increased flow to 2 gpm and raised tubing/pump to ~40' btoc.
0952: Turbidity is @ 83 NTUs, continuing purge. Reduced flow to .5 gpm.

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 = 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)y

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)

DEP-SOP-001/01
Form FD 9000-24

7.50
.60

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-6A	SAMPLE ID: MW-6A — DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 34.82'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (50.84' 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): ~45'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'	PURGING INITIATED AT: 1452	PURGING ENDED AT: 1523	TOTAL VOLUME PURGED (gallons): 22.35

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1519	19.35	19.35	.75	34.97'	7.86	24.47	249	6.42	12.3	Clear	None
1521	1.50	20.85	.75	34.97'	7.86	24.47	249	6.51	12.5	Clear	None
1523	1.5	22.35	.75	34.97'	7.86	24.46	249	6.56	10.5	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; 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: H. L. Claytor, Colinas Group, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1524	SAMPLING ENDED AT: 1535
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) Filtration Equipment Type: 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-6A	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:
1452: Inserted SS ESP and dedicated 3/8" PE tubing to ~45' BTOC and began purging @ .75 gpm.
1458: GW is turbid @ 57 NTUs, but is typical for this well. Will over purge to clean it up.
1502: Turbidity is @ 54 NTUs, reduced flow to .3 gpm.
1504: Turbidity is ~~bake~~ up to 189 NTUs at lower flow rate. Increased flow to .75 gpm. DO is high @ 6.58 mg/L, but is typical for this well. Will use optional stabilization criteria below.
1516: Turbidity has dropped to 16 NTUs, all other parameters are stable. WL 34.97' @ .75 gpm and 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; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

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)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-8	SAMPLE ID: MW-8
	DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25-55
PURGE PUMP TYPE OR BAILER: ESP			

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (43.24' feet – 43' feet) X .02 gallons/foot = .86 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME X3: 1.209
(only fill out if applicable)

1 Equip Vol = .02 gallons + (.006 gallons/foot X ~~25.55~~ feet) + .125 gallons = .403 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	PURGING INITIATED AT: 1418	PURGING ENDED AT: 1432	TOTAL VOLUME PURGED (gallons): 2.80

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)
1428	2.00	2.00	.2	25.61'	7.35	24.43	343	3.93	9.16	Clear	None
1430	.4	2.40	.2	25.60	7.36	24.44	343	3.94	6.44	Clear	None
1432	.4	2.80	.2	25.60	7.36	24.50	343	3.96	6.22	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; 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: H. L. Claytor, Colinas Group, Inc.	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1433	SAMPLING ENDED AT: 1445
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) Filtration Equipment Type: 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-8	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:

1418: Inserted SS ESP and dedicated 3/8" PE tubing to ~38' btoc and began purging @ .2 gpm.

1423: WL 25.61' @ .2 gpm, GW is clear.

1425: WL 25.61' @ .2 gpm, drawdown is stable. DO is high @ 4.17 mg/L, but is typical for this well. Will use optional stabilization criteria below.

1427: WL 25.61' @ .2 gpm, 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 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)y

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)

5-80

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill
SITE LOCATION: Sumterville, FL
WELL NO: MW-9A
SAMPLE ID: MW-9A
DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC
TUBING DIAMETER (inches): 3/8"
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 32.74'
PURGE PUMP TYPE 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
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.006 gallons/foot X 50 feet) + .125 gallons = .445 gallons X3 = 1.335

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'
FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'
PURGING INITIATED AT: 1222
PURGING ENDED AT: 1247
TOTAL VOLUME PURGED (gallons): 8.00

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)
1243	2.20	2.20	.2	38.02'	6.56	25.22	914	.25	19.0	Clear	Slight
1245	.4	2.60	.2	38.02'	6.56	25.22	912	.22	16.0	Clear	Sulfur
1247	.4	8.00	.2	38.02'	6.55	25.23	911	.21	14.1	Clear	Same
								No	[illegible]	Stream	Same

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" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group, Inc.
SAMPLER(S) SIGNATURES: [signature]
SAMPLING INITIATED AT: 1248
SAMPLING ENDED AT: 1300
PUMP OR TUBING DEPTH IN WELL (feet): ~45'
SAMPLE PUMP FLOW RATE (mL per minute):
TUBING MATERIAL CODE: PE
FIELD DECONTAMINATION: (Y) N
FIELD-FILTERED: Y (N) Filtration Equipment Type:
FILTER SIZE: ____ µm
DUPLICATE: Y (N)

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-9A	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:
1222: Inserted SS ESP and dedicated 3/8" PE tubing to ~45' btoc and began purging @ .5 gpm.
1227: GW is extremely turbid, but is typical for this well. Will over purge to clear it up.
1232: Turbidity is @ 151 NTUs, reduced flow to .2 gpm.
1237: Turbidity is @ 22 NTUs, continuing purge. WL 38.02' @ .2 gpm
1242: Turbidity is @ 18 NTUs, all parameters are stable or in range. WL 38.02' @ .02 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; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

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): pH: ± 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)

DEP-SOP-001/01
Form FD 9000-24

5:00

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill
SITE LOCATION: Sumterville, FL
WELL NO: MW-10
SAMPLE ID: MW-10
DATE: 2/22/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC
TUBING DIAMETER (inches): 3/8"
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 25.64'
PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (45.35' 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 = .415 gallons x3: 1.245

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'
FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'
PURGING INITIATED AT: 1130
PURGING ENDED AT: 1152
TOTAL VOLUME PURGED (gallons): 2.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1148	6.60	6.60	.2	27.60	6.99	25.14	517	1.39	11.8	Clear	Sulfur
1150	.4	7.00	.2	27.60	6.99	25.15	517	1.41	11.7	Clear	Same
1152	.4	7.40	.2	27.60	6.98	25.18	515	1.48	8.38	Clear	Same
								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; 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: H. L. Claytor, Colinas Group, Inc.
SAMPLER(S) SIGNATURES: [signature]
SAMPLING INITIATED AT: 1153
SAMPLING ENDED AT: 1205
PUMP OR TUBING DEPTH IN WELL (feet): ~40'
SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL
TUBING MATERIAL CODE: PE
FIELD DECONTAMINATION: (Y) N
FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm
DUPLICATE: Y (N)

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-10	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:
1130: Inserted SS ESP and dedicated 3/8" PE tubing to ~40' btoc and began purging @ .5 gpm.
1140: GW is turbid @ 38 NTUs, but is typical for this well. Will over purge to clear it up. Reduced flow to .2 gpm.
1145: Turbidity has dropped to 18 NTUs. WL 27.60' and is stable @ .2 gpm. All parameters are stable or in range.
1147: WL 27.60' @ .2 gpm.

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)y

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)

2.50

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill
SITE LOCATION: Sumterville, FL
WELL NO: MW-11
SAMPLE ID: MW-11
DATE: 2/21/12

PURGING DATA

WELL DIAMETER (inches): 2" PVC
TUBING DIAMETER (inches): 3/8"
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 27.74
PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (40.15' feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME X3 = 1.155
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.006 gallons/foot X 40' feet) + .125 gallons = .385 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~35'
FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~35'
PURGING INITIATED AT: 1043
PURGING ENDED AT: 1100
TOTAL VOLUME PURGED (gallons): 4.90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. ~~(mS/cm)~~ uS	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1056	4.10	4.10	.2	27.87'	6.58	25.94	549	.46	12.9	Clear	None
1058	.4	4.50	.2	27.87'	6.58	25.91	552	.42	13.6	Clear	None
1100	.4	4.90	.2	27.87'	6.59	25.95	556	.40	14.7	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; 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: H. L. Claytor, Colinas Group, Inc.
SAMPLER(S) SIGNATURES:
SAMPLING INITIATED AT: 1101
SAMPLING ENDED AT: 1115
PUMP OR TUBING DEPTH IN WELL (feet): ~35'
SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL
TUBING MATERIAL CODE: PE
FIELD DECONTAMINATION: (Y) N
FIELD-FILTERED: Y (N) Filtration Equipment Type:
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, RA226,RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:
1043: Inserted SS ESP and dedicated 3/8" PE tubing to ~35' btoc and began purging @ .5 gpm.
1048: WL 28.02' @ .5 gpm, turbidity is @ 21 NTUs. Reduced flow to .2 gpm.
1053: WL 27.87' @ .2 gpm, drawdown is stable. Turbidity is @ 10 NTUs. All other parameters are stable or in range.
1055: WL 27.87' @ .2 gpm.

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)y

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)

Page 1 of 2

A1201606

Advanced Environmental Laboratories, Inc.
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528 S. North Lake Blvd., Ste. 1016 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597 • E53076

CLIENT NAME:	The Colinas Group, Inc.	Sumter Co. Landfill - GW Sampling	
ADDRESS:	377 Maitland Ave Suite 2012	P.O. NUMBER/PROJECT NUMBER: P-453	
	Altamonte Springs, FL 32701	PROJECT LOCATION: Sumterville,FL	
PHONE:	407-622-8176	REMARKS/SPECIAL INSTRUCTIONS:	
FAX:	407-622-8196		
CONTACT:	Dale Claytor		
SAMPLED BY:	Dale Claytor		
TURN AROUND TIME:	☒ STANDARD ____ ☐ RUSH ____		

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	Gross Alpha (1 L P)	Ra 226 + Ra 228 (1 L P)	Sb, Al, Cd, Cr, Fe, Pb, Mn, Hg, Ag, Na, Tl, (500 mL P)	TDS (250 mL P)	Ammonia (250 mL P)	F, Cl, NO3 (125 mL P)	LABORATORY I.D. NUMBER
							BOTTLE SIZE & TYPE	1 L P	1 L P	500 mL P	250 mL P	250 mL P	125 mL P	
							ANALYSIS REQUIRED	Gross Alpha	Ra 226 + Ra 228	Sb, Al, Cd, Cr, Fe, Pb, Mn, Hg, Ag, Na, Tl,	TDS	Ammonia	F, Cl, NO3	
							PRESERVATION	N	N	N	I	S	I	
	MW-10	Grab	2/22/12	1205	W	6		X	X	X	X	X	X	01
	MW-11	Grab	2/21/12	1115	W	6		X	X	X	X	X	X	02
	MW-2	Grab	2/21/12	1352	W	6		X	X	X	X	X	X	03
	MW-4	Grab	2/21/12	1200	W	6		X	X	X	X	X	X	04
	MW-4A	Grab	2/21/12	1300	W	6		X	X	X	X	X	X	05
	MW-4B	Grab	2/22/12	1115	W	6		X	X	X	X	X	X	06
	MW-4C	Grab	2/22/12	1425	W	6		X	X	X	X	X	X	07
	MW-4D	Grab	2/22/12	1038	W	6		X	X	X	X	X	X	08
	MW-6A	Grab	2/22/12	1535	W	6		X	X	X	X	X	X	09
	MW-8	Grab	2/21/12	1445	W	6		X	X	X	X	X	X	10

Received on Ice ☒ Yes ☐ No ☒ Temp taken from sample ☐ Temp from temp blank ☐ Where required, pH checked Temperature when received 5 (in degrees celcius)

Form revised 2/8/08

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	2/22/12	1710	C. Ferguson	2/22/12	1710
2						
4						

FOR DRINKING WATER USE:
(When PWS Information not otherwise supplied) PWS ID:____
Contact Person:____ Phone:____
Site-Address:____

LAB NUMBER:

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CLIENT NAME: The Colinas Group, Inc.
ADDRESS: 377 Maitland Ave Suite 2012
Altamonte Springs, FL 32701
PHONE: 407-622-8176
FAX: 407-622-8196
CONTACT: Dale Claytor
SAMPLED BY: Dale Claytor
TURN AROUND TIME: ☒ STANDARD ☐ RUSH

Sumter Co. Landfill - GW Sampling
P.O. NUMBER/PROJECT NUMBER: P-453
PROJECT LOCATION: Sumterville,FL
REMARKS/SPECIAL INSTRUCTIONS:

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	Gross Alpha (1 L P)	Ra 226 + Ra 228 (1 L P)	Sb, Al, Cd, Cr, Fe, Pb, Mn, Hg, Ag, Na, Tl, (500 mL P)	TDS (250 mL P)	Ammonia (250 mL P)	F, Cl, NO3 (125 mL P)	LABORATORY I.D. NUMBER
								N	N	N	I	S	I	
	MW-9A	Grab	2/22/12	1300	W	6		X	X	X	X	X	X	11
	EQUIPMENT BLANK	Grab	2/21/12	1030	W	6		X	X	X	X	X	X	12

Received on Ice ☒ Yes ☐ No ☒ Temp taken from sample ☐ Temp from temp blank ☐ Where required, pH checked Temperature when received 3 (in degrees celcius)

Form revised 2/8/08

Device used for measuring Temp by unique identifier (circle IR temp gun used) J : 9A G: LT-1 LT-2 T: 10A A: 3A

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	2/22/12	1710	[signature]	2/22/12	1710
2						
4						

FOR DRINKING WATER USE:
(When PWS Information not otherwise supplied) PWS ID:
Contact Person: Phone :
Site-Address: