

December 14, 2011

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

RE: Workorder: A1108863 Sumter Co Landfill - GW

Dear Rick Potts:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, November 23, 2011. 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: A1108863 Sumter Co Landfill - GW

Lab ID	Sample ID	Matrix	Date Collected	Date Received
A1108863001	MW-10	Water	11/22/2011 10:50	11/23/2011 10:52
A1108863002	MW-11	Water	11/22/2011 14:18	11/23/2011 10:52
A1108863003	MW-2	Water	11/22/2011 15:15	11/23/2011 10:52
A1108863004	MW-4	Water	11/22/2011 12:45	11/23/2011 10:52
A1108863005	MW-4A	Water	11/22/2011 13:30	11/23/2011 10:52
A1108863006	MW-4B	Water	11/22/2011 11:44	11/23/2011 10:52
A1108863007	MW-6A	Water	11/22/2011 16:45	11/23/2011 10:52
A1108863008	MW-8	Water	11/22/2011 09:48	11/23/2011 10:52
A1108863009	MW-9A	Water	11/22/2011 09:05	11/23/2011 10:52
A1108863010	EQ BLANK	Water	11/22/2011 07:50	11/23/2011 10:52
A1108863011	TRIP BLANK	Water	11/22/2011 00:00	11/23/2011 10:52

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863001**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-10**

Date Collected: 11/22/11 10:50

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	530	umhos/cm		1			11/22/2011 10:50	A^
Dissolved Oxygen	1.64	mg/L		1			11/22/2011 10:50	A^
Groundwater Elevation	43.98	feet		1			11/22/2011 10:50	A^
Temperature	25.07	°C		1			11/22/2011 10:50	A^
Turbidity	9.16	NTU		1			11/22/2011 10:50	A^
pH	6.94	pH unit		1			11/22/2011 10:50	A^

### METALS

Analysis Desc: SW846 6010B  
Analysis,Water

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6010

Aluminum	530	ug/L		1	200	61	11/30/2011 14:54	J
Barium	13	ug/L		1	2.0	0.28	11/30/2011 14:54	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	11/30/2011 14:54	J
Cadmium	0.49	ug/L	I	1	0.60	0.32	11/30/2011 14:54	J
Chromium	7.2	ug/L		1	4.0	0.50	11/30/2011 14:54	J
Cobalt	0.60	ug/L	U	1	4.0	0.60	11/30/2011 14:54	J
Iron	510	ug/L		1	200	38	11/30/2011 14:54	J
Manganese	20	ug/L		1	1.0	0.24	11/30/2011 14:54	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 14:54	J
Sodium	6.4	mg/L		1	0.20	0.026	11/30/2011 14:54	J
Vanadium	11	ug/L		1	1.5	0.18	11/30/2011 14:54	J
Zinc	5.0	ug/L	I	1	10	2.0	11/30/2011 14:54	J

Analysis Desc: SW846 6020B  
Analysis,Total

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6020

Antimony	0.37	ug/L	I,V	1	0.60	0.073	12/13/2011 19:33	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 19:33	J
Copper	0.45	ug/L	I	1	0.70	0.10	12/13/2011 19:33	J
Lead	0.32	ug/L	I	1	0.70	0.076	12/13/2011 19:33	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 19:33	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 19:33	J
Thallium	0.091	ug/L	I	1	0.20	0.067	12/13/2011 19:33	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	11/29/2011 12:30	J
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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863001**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-10**

Date Collected: 11/22/11 10:50

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0059	ug/L	U	1	0.020	0.0059	11/29/2011 22:47	J
Ethylene Dibromide (EDB)	0.0061	ug/L	U	1	0.020	0.0061	11/29/2011 22:47	J
Tetrachloro-m-xylene (S)	96	%		1	40.3-190		11/29/2011 22:47	

## VOLATILES

Analysis Desc: 8260C Analysis, Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B

1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 19:08	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:08	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/28/2011 19:08	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 19:08	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/28/2011 19:08	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:08	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 19:08	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/28/2011 19:08	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 19:08	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:08	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:08	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/28/2011 19:08	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/28/2011 19:08	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/28/2011 19:08	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/28/2011 19:08	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/28/2011 19:08	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/28/2011 19:08	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 19:08	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/28/2011 19:08	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 19:08	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/28/2011 19:08	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 19:08	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/28/2011 19:08	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/28/2011 19:08	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/28/2011 19:08	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/28/2011 19:08	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/28/2011 19:08	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:08	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 19:08	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863001**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-10**

Date Collected: 11/22/11 10:50

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/28/2011 19:08	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/28/2011 19:08	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/28/2011 19:08	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/28/2011 19:08	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/28/2011 19:08	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 19:08	J
Tetrachloroethylene (PCE)	0.59	ug/L	U,J4	1	1.0	0.59	11/28/2011 19:08	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 19:08	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 19:08	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/28/2011 19:08	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/28/2011 19:08	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/28/2011 19:08	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/28/2011 19:08	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 19:08	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:08	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/28/2011 19:08	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/28/2011 19:08	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/28/2011 19:08	J
1,2-Dichloroethane-d4 (S)	104	%		1	80-120		11/28/2011 19:08	
Toluene-d8 (S)	104	%		1	88-110		11/28/2011 19:08	
Bromofluorobenzene (S)	110	%		1	86-115		11/28/2011 19:08	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	7.0	mg/L	I	1	10	0.87	11/23/2011 12:42	A
Fluoride	0.21	mg/L		1	0.20	0.078	11/23/2011 12:42	A
Nitrate	3.0	mg/L		1	0.20	0.094	11/23/2011 12:42	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	290	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863002**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-11**

Date Collected: 11/22/11 14:18

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	559	umhos/cm		1			11/22/2011 14:18	A^
Dissolved Oxygen	0.79	mg/L		1			11/22/2011 14:18	A^
Groundwater Elevation	43.78	feet		1			11/22/2011 14:18	A^
Temperature	25.95	°C		1			11/22/2011 14:18	A^
Turbidity	14.8	NTU		1			11/22/2011 14:18	A^
pH	6.58	pH unit		1			11/22/2011 14:18	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	1100	ug/L		1	200	61	11/30/2011 15:42	J
Barium	11	ug/L		1	2.0	0.28	11/30/2011 15:42	J
Beryllium	0.34	ug/L		1	0.30	0.13	11/30/2011 15:42	J
Cadmium	2.7	ug/L		1	0.60	0.32	11/30/2011 15:42	J
Chromium	9.6	ug/L		1	4.0	0.50	11/30/2011 15:42	J
Cobalt	0.60	ug/L	U	1	4.0	0.60	11/30/2011 15:42	J
Iron	190	ug/L	I	1	200	38	11/30/2011 15:42	J
Manganese	4.1	ug/L		1	1.0	0.24	11/30/2011 15:42	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 15:42	J
Sodium	8.6	mg/L		1	0.20	0.026	11/30/2011 15:42	J
Vanadium	13	ug/L		1	1.5	0.18	11/30/2011 15:42	J
Zinc	7.7	ug/L	I	1	10	2.0	11/30/2011 15:42	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	1.1	ug/L	V	1	0.60	0.073	12/13/2011 20:20	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 20:20	J
Copper	2.0	ug/L		1	0.70	0.10	12/13/2011 20:20	J
Lead	0.84	ug/L		1	0.70	0.076	12/13/2011 20:20	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 20:20	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 20:20	J
Thallium	0.16	ug/L	I	1	0.20	0.067	12/13/2011 20:20	J
Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.062	ug/L	I	1	0.10	0.014	11/29/2011 12:44	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863002**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-11**

Date Collected: 11/22/11 14:18

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0059	ug/L	U	1	0.020	0.0059	11/29/2011 23:12	J
Ethylene Dibromide (EDB)	0.0061	ug/L	U	1	0.020	0.0061	11/29/2011 23:12	J
Tetrachloro-m-xylene (S)	93	%		1	40.3-190		11/29/2011 23:12	

## VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 19:53	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:53	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/28/2011 19:53	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 19:53	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/28/2011 19:53	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:53	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 19:53	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/28/2011 19:53	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 19:53	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:53	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:53	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/28/2011 19:53	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/28/2011 19:53	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/28/2011 19:53	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/28/2011 19:53	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/28/2011 19:53	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/28/2011 19:53	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 19:53	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/28/2011 19:53	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 19:53	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/28/2011 19:53	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 19:53	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/28/2011 19:53	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/28/2011 19:53	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/28/2011 19:53	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/28/2011 19:53	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/28/2011 19:53	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:53	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 19:53	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863002**  
Sample ID: **MW-11**

Date Received: 11/23/11 10:52 Matrix: Water  
Date Collected: 11/22/11 14:18

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/28/2011 19:53	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/28/2011 19:53	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/28/2011 19:53	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/28/2011 19:53	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/28/2011 19:53	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 19:53	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/28/2011 19:53	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 19:53	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 19:53	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/28/2011 19:53	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/28/2011 19:53	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/28/2011 19:53	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/28/2011 19:53	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 19:53	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 19:53	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/28/2011 19:53	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/28/2011 19:53	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/28/2011 19:53	J
1,2-Dichloroethane-d4 (S)	107	%		1	80-120		11/28/2011 19:53	
Toluene-d8 (S)	104	%		1	88-110		11/28/2011 19:53	
Bromofluorobenzene (S)	110	%		1	86-115		11/28/2011 19:53	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	3.5	mg/L	I	1	10	0.87	11/23/2011 12:59	A
Fluoride	0.24	mg/L		1	0.20	0.078	11/23/2011 12:59	A
Nitrate	0.22	mg/L		1	0.20	0.094	11/23/2011 12:59	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	300	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863003**  
Sample ID: **MW-2**

Date Received: 11/23/11 10:52 Matrix: Water  
Date Collected: 11/22/11 15:15

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	333	umhos/cm		1			11/22/2011 15:15	A^
Dissolved Oxygen	5	mg/L		1			11/22/2011 15:15	A^
Groundwater Elevation	43.9	feet		1			11/22/2011 15:15	A^
Temperature	27.32	°C		1			11/22/2011 15:15	A^
Turbidity	1.08	NTU		1			11/22/2011 15:15	A^
pH	7.04	pH unit		1			11/22/2011 15:15	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B Analysis, Water			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Aluminum	61	ug/L	U	1	200	61	11/30/2011 15:47	J
Barium	19	ug/L		1	2.0	0.28	11/30/2011 15:47	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	11/30/2011 15:47	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	11/30/2011 15:47	J
Chromium	0.86	ug/L	I	1	4.0	0.50	11/30/2011 15:47	J
Cobalt	0.60	ug/L	U	1	4.0	0.60	11/30/2011 15:47	J
Iron	38	ug/L	U	1	200	38	11/30/2011 15:47	J
Manganese	8.3	ug/L		1	1.0	0.24	11/30/2011 15:47	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 15:47	J
Sodium	2.5	mg/L		1	0.20	0.026	11/30/2011 15:47	J
Vanadium	0.88	ug/L	I	1	1.5	0.18	11/30/2011 15:47	J
Zinc	3.7	ug/L	I	1	10	2.0	11/30/2011 15:47	J
Analysis Desc: SW846 6020B Analysis, Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	1.0	ug/L	V	1	0.60	0.073	12/13/2011 20:48	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 20:48	J
Copper	1.3	ug/L		1	0.70	0.10	12/13/2011 20:48	J
Lead	0.083	ug/L	I	1	0.70	0.076	12/13/2011 20:48	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 20:48	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 20:48	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/13/2011 20:48	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	11/29/2011 12:46	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863003**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-2**

Date Collected: 11/22/11 15:15

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0059	ug/L	U	1	0.020	0.0059	11/29/2011 23:39	J
Ethylene Dibromide (EDB)	0.0061	ug/L	U	1	0.020	0.0061	11/29/2011 23:39	J
Tetrachloro-m-xylene (S)	87	%		1	40.3-190		11/29/2011 23:39	

## VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 20:39	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 20:39	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/28/2011 20:39	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 20:39	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/28/2011 20:39	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 20:39	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 20:39	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/28/2011 20:39	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 20:39	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 20:39	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 20:39	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/28/2011 20:39	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/28/2011 20:39	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/28/2011 20:39	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/28/2011 20:39	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/28/2011 20:39	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/28/2011 20:39	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 20:39	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/28/2011 20:39	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 20:39	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/28/2011 20:39	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 20:39	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/28/2011 20:39	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/28/2011 20:39	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/28/2011 20:39	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/28/2011 20:39	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/28/2011 20:39	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 20:39	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 20:39	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863003**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-2**

Date Collected: 11/22/11 15:15

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/28/2011 20:39	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/28/2011 20:39	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/28/2011 20:39	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/28/2011 20:39	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/28/2011 20:39	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 20:39	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/28/2011 20:39	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 20:39	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 20:39	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/28/2011 20:39	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/28/2011 20:39	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/28/2011 20:39	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/28/2011 20:39	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 20:39	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 20:39	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/28/2011 20:39	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/28/2011 20:39	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/28/2011 20:39	J
1,2-Dichloroethane-d4 (S)	104	%		1	80-120		11/28/2011 20:39	
Toluene-d8 (S)	106	%		1	88-110		11/28/2011 20:39	
Bromofluorobenzene (S)	110	%		1	86-115		11/28/2011 20:39	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	6.7	mg/L	I	1	10	0.87	11/23/2011 13:17	A
Fluoride	0.17	mg/L	I	1	0.20	0.078	11/23/2011 13:17	A
Nitrate	1.4	mg/L		1	0.20	0.094	11/23/2011 13:17	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	170	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863004**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4**

Date Collected: 11/22/11 12:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	583	umhos/cm		1			11/22/2011 12:45	A^
Dissolved Oxygen	0.86	mg/L		1			11/22/2011 12:45	A^
Groundwater Elevation	43.7	feet		1			11/22/2011 12:45	A^
Temperature	26.7	°C		1			11/22/2011 12:45	A^
Turbidity	3.94	NTU		1			11/22/2011 12:45	A^
pH	7.21	pH unit		1			11/22/2011 12:45	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	160	ug/L	I	1	200	61	11/30/2011 15:52	J
Barium	8.9	ug/L		1	2.0	0.28	11/30/2011 15:52	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	11/30/2011 15:52	J
Cadmium	0.39	ug/L	I	1	0.60	0.32	11/30/2011 15:52	J
Chromium	7.3	ug/L		1	4.0	0.50	11/30/2011 15:52	J
Cobalt	1.1	ug/L	I	1	4.0	0.60	11/30/2011 15:52	J
Iron	71	ug/L	I	1	200	38	11/30/2011 15:52	J
Manganese	7.1	ug/L		1	1.0	0.24	11/30/2011 15:52	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 15:52	J
Sodium	39	mg/L		1	0.20	0.026	11/30/2011 15:52	J
Vanadium	11	ug/L		1	1.5	0.18	11/30/2011 15:52	J
Zinc	4.5	ug/L	I	1	10	2.0	11/30/2011 15:52	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.48	ug/L	I,V	1	0.60	0.073	12/13/2011 20:57	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 20:57	J
Copper	1.6	ug/L		1	0.70	0.10	12/13/2011 20:57	J
Lead	0.095	ug/L	I	1	0.70	0.076	12/13/2011 20:57	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 20:57	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 20:57	J
Thallium	0.10	ug/L	I	1	0.20	0.067	12/13/2011 20:57	J
Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	11/29/2011 12:47	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863004**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4**

Date Collected: 11/22/11 12:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0059	ug/L	U	1	0.020	0.0059	11/30/2011 00:06	J
Ethylene Dibromide (EDB)	0.0061	ug/L	U	1	0.020	0.0061	11/30/2011 00:06	J
Tetrachloro-m-xylene (S)	81	%		1	40.3-190		11/30/2011 00:06	

### VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 23:39	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 23:39	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/28/2011 23:39	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 23:39	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/28/2011 23:39	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 23:39	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 23:39	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/28/2011 23:39	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 23:39	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 23:39	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 23:39	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/28/2011 23:39	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/28/2011 23:39	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/28/2011 23:39	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/28/2011 23:39	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/28/2011 23:39	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/28/2011 23:39	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 23:39	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/28/2011 23:39	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 23:39	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/28/2011 23:39	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 23:39	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/28/2011 23:39	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/28/2011 23:39	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/28/2011 23:39	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/28/2011 23:39	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/28/2011 23:39	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 23:39	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 23:39	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863004**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4**

Date Collected: 11/22/11 12:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/28/2011 23:39	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/28/2011 23:39	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/28/2011 23:39	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/28/2011 23:39	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/28/2011 23:39	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 23:39	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/28/2011 23:39	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 23:39	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 23:39	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/28/2011 23:39	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/28/2011 23:39	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/28/2011 23:39	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/28/2011 23:39	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 23:39	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 23:39	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/28/2011 23:39	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/28/2011 23:39	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/28/2011 23:39	J
1,2-Dichloroethane-d4 (S)	105	%		1	80-120		11/28/2011 23:39	
Toluene-d8 (S)	105	%		1	88-110		11/28/2011 23:39	
Bromofluorobenzene (S)	109	%		1	86-115		11/28/2011 23:39	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	17	mg/L		1	10	0.87	11/23/2011 13:34	A
Fluoride	0.20	mg/L		1	0.20	0.078	11/23/2011 13:34	A
Nitrate	6.7	mg/L		1	0.20	0.094	11/23/2011 13:34	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	310	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863005**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4A**

Date Collected: 11/22/11 13:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	665	umhos/cm		1			11/22/2011 13:30	A^
Dissolved Oxygen	0.57	mg/L		1			11/22/2011 13:30	A^
Groundwater Elevation	43.86	feet		1			11/22/2011 13:30	A^
Temperature	26.69	°C		1			11/22/2011 13:30	A^
Turbidity	7.1	NTU		1			11/22/2011 13:30	A^
pH	7.06	pH unit		1			11/22/2011 13:30	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	79	ug/L	I	1	200	61	11/30/2011 15:57	J
Barium	13	ug/L		1	2.0	0.28	11/30/2011 15:57	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	11/30/2011 15:57	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	11/30/2011 15:57	J
Chromium	1.1	ug/L	I	1	4.0	0.50	11/30/2011 15:57	J
Cobalt	0.60	ug/L	U	1	4.0	0.60	11/30/2011 15:57	J
Iron	38	ug/L	U	1	200	38	11/30/2011 15:57	J
Manganese	5.3	ug/L		1	1.0	0.24	11/30/2011 15:57	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 15:57	J
Sodium	25	mg/L		1	0.20	0.026	11/30/2011 15:57	J
Vanadium	5.7	ug/L		1	1.5	0.18	11/30/2011 15:57	J
Zinc	4.2	ug/L	I	1	10	2.0	11/30/2011 15:57	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.24	ug/L	I,V	1	0.60	0.073	12/13/2011 21:06	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 21:06	J
Copper	0.49	ug/L	I	1	0.70	0.10	12/13/2011 21:06	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/13/2011 21:06	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 21:06	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 21:06	J
Thallium	0.23	ug/L		1	0.20	0.067	12/13/2011 21:06	J
Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	11/29/2011 12:49	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863005**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4A**

Date Collected: 11/22/11 13:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0059	ug/L	U	1	0.020	0.0059	11/30/2011 00:33	J
Ethylene Dibromide (EDB)	0.0061	ug/L	U	1	0.020	0.0061	11/30/2011 00:33	J
Tetrachloro-m-xylene (S)	79	%		1	40.3-190		11/30/2011 00:33	

## VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 00:24	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 00:24	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/29/2011 00:24	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 00:24	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/29/2011 00:24	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 00:24	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 00:24	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/29/2011 00:24	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 00:24	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 00:24	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 00:24	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/29/2011 00:24	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/29/2011 00:24	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/29/2011 00:24	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/29/2011 00:24	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/29/2011 00:24	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/29/2011 00:24	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 00:24	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/29/2011 00:24	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 00:24	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/29/2011 00:24	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 00:24	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/29/2011 00:24	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/29/2011 00:24	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/29/2011 00:24	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/29/2011 00:24	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/29/2011 00:24	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 00:24	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 00:24	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863005**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4A**

Date Collected: 11/22/11 13:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/29/2011 00:24	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/29/2011 00:24	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/29/2011 00:24	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/29/2011 00:24	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/29/2011 00:24	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 00:24	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/29/2011 00:24	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 00:24	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 00:24	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/29/2011 00:24	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/29/2011 00:24	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/29/2011 00:24	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/29/2011 00:24	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 00:24	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 00:24	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/29/2011 00:24	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/29/2011 00:24	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/29/2011 00:24	J
1,2-Dichloroethane-d4 (S)	106	%		1	80-120		11/29/2011 00:24	
Toluene-d8 (S)	105	%		1	88-110		11/29/2011 00:24	
Bromofluorobenzene (S)	110	%		1	86-115		11/29/2011 00:24	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	25	mg/L		1	10	0.87	11/23/2011 13:52	A
Fluoride	0.078	mg/L	U	1	0.20	0.078	11/23/2011 13:52	A
Nitrate	4.2	mg/L		1	0.20	0.094	11/23/2011 13:52	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	380	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863006**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4B**

Date Collected: 11/22/11 11:44

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	139	umhos/cm		1			11/22/2011 11:44	A^
Dissolved Oxygen	5.11	mg/L		1			11/22/2011 11:44	A^
Groundwater Elevation	43.88	feet		1			11/22/2011 11:44	A^
Temperature	25.81	°C		1			11/22/2011 11:44	A^
Turbidity	4.45	NTU		1			11/22/2011 11:44	A^
pH	9.27	pH unit		1			11/22/2011 11:44	A^

### METALS

Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	460	ug/L		1	200	61	11/30/2011 16:02	J
Barium	4.0	ug/L		1	2.0	0.28	11/30/2011 16:02	J
Beryllium	0.13	ug/L	I	1	0.30	0.13	11/30/2011 16:02	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	11/30/2011 16:02	J
Chromium	3.7	ug/L	I	1	4.0	0.50	11/30/2011 16:02	J
Cobalt	0.60	ug/L	U	1	4.0	0.60	11/30/2011 16:02	J
Iron	38	ug/L	U	1	200	38	11/30/2011 16:02	J
Manganese	0.33	ug/L	I	1	1.0	0.24	11/30/2011 16:02	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 16:02	J
Sodium	11	mg/L		1	0.20	0.026	11/30/2011 16:02	J
Vanadium	17	ug/L		1	1.5	0.18	11/30/2011 16:02	J
Zinc	3.0	ug/L	I	1	10	2.0	11/30/2011 16:02	J

Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.23	ug/L	I, V	1	0.60	0.073	12/13/2011 21:15	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 21:15	J
Copper	0.25	ug/L	I	1	0.70	0.10	12/13/2011 21:15	J
Lead	0.12	ug/L	I	1	0.70	0.076	12/13/2011 21:15	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 21:15	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 21:15	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/13/2011 21:15	J

Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	11/29/2011 12:51	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863006**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4B**

Date Collected: 11/22/11 11:44

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0059	ug/L	U	1	0.020	0.0059	11/30/2011 01:00	J
Ethylene Dibromide (EDB)	0.0061	ug/L	U	1	0.020	0.0061	11/30/2011 01:00	J
Tetrachloro-m-xylene (S)	80	%		1	40.3-190		11/30/2011 01:00	
<b>VOLATILES</b>								
Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 01:09	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:09	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/29/2011 01:09	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 01:09	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/29/2011 01:09	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:09	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 01:09	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/29/2011 01:09	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 01:09	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:09	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:09	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/29/2011 01:09	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/29/2011 01:09	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/29/2011 01:09	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/29/2011 01:09	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/29/2011 01:09	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/29/2011 01:09	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 01:09	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/29/2011 01:09	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 01:09	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/29/2011 01:09	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 01:09	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/29/2011 01:09	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/29/2011 01:09	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/29/2011 01:09	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/29/2011 01:09	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/29/2011 01:09	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:09	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 01:09	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863006**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-4B**

Date Collected: 11/22/11 11:44

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/29/2011 01:09	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/29/2011 01:09	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/29/2011 01:09	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/29/2011 01:09	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/29/2011 01:09	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 01:09	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/29/2011 01:09	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 01:09	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 01:09	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/29/2011 01:09	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/29/2011 01:09	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/29/2011 01:09	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/29/2011 01:09	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 01:09	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:09	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/29/2011 01:09	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/29/2011 01:09	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/29/2011 01:09	J
1,2-Dichloroethane-d4 (S)	107	%		1	80-120		11/29/2011 01:09	
Toluene-d8 (S)	106	%		1	88-110		11/29/2011 01:09	
Bromofluorobenzene (S)	109	%		1	86-115		11/29/2011 01:09	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	3.9	mg/L	I	1	10	0.87	11/23/2011 14:09	A
Fluoride	0.19	mg/L	I	1	0.20	0.078	11/23/2011 14:09	A
Nitrate	4.4	mg/L		1	0.20	0.094	11/23/2011 14:09	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	74	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863007**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-6A**

Date Collected: 11/22/11 16:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	255	umhos/cm		1			11/22/2011 16:45	A^
Dissolved Oxygen	6.72	mg/L		1			11/22/2011 16:45	A^
Groundwater Elevation	44.12	feet		1			11/22/2011 16:45	A^
Temperature	24.44	°C		1			11/22/2011 16:45	A^
Turbidity	7.11	NTU		1			11/22/2011 16:45	A^
pH	7.8	pH unit		1			11/22/2011 16:45	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	11/30/2011 16:08	J
Barium	2.4	ug/L		1	2.0	0.28	11/30/2011 16:08	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	11/30/2011 16:08	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	11/30/2011 16:08	J
Chromium	7.2	ug/L		1	4.0	0.50	11/30/2011 16:08	J
Cobalt	0.60	ug/L	U	1	4.0	0.60	11/30/2011 16:08	J
Iron	38	ug/L	U	1	200	38	11/30/2011 16:08	J
Manganese	1.1	ug/L		1	1.0	0.24	11/30/2011 16:08	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 16:08	J
Sodium	3.1	mg/L		1	0.20	0.026	11/30/2011 16:08	J
Vanadium	7.8	ug/L		1	1.5	0.18	11/30/2011 16:08	J
Zinc	3.8	ug/L	I	1	10	2.0	11/30/2011 16:08	J

Analysis Desc: SW846 6020B Analysis,Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	0.15	ug/L	I,V	1	0.60	0.073	12/13/2011 21:25	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 21:25	J
Copper	0.13	ug/L	I	1	0.70	0.10	12/13/2011 21:25	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/13/2011 21:25	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 21:25	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 21:25	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/13/2011 21:25	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	11/29/2011 12:52	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863007**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-6A**

Date Collected: 11/22/11 16:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0058	ug/L	U	1	0.019	0.0058	11/30/2011 01:27	J
Ethylene Dibromide (EDB)	0.0060	ug/L	U	1	0.019	0.0060	11/30/2011 01:27	J
Tetrachloro-m-xylene (S)	89	%		1	40.3-190		11/30/2011 01:27	

### VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 01:54	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:54	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/29/2011 01:54	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 01:54	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/29/2011 01:54	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:54	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 01:54	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/29/2011 01:54	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 01:54	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:54	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:54	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/29/2011 01:54	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/29/2011 01:54	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/29/2011 01:54	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/29/2011 01:54	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/29/2011 01:54	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/29/2011 01:54	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 01:54	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/29/2011 01:54	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 01:54	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/29/2011 01:54	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 01:54	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/29/2011 01:54	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/29/2011 01:54	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/29/2011 01:54	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/29/2011 01:54	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/29/2011 01:54	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:54	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 01:54	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863007**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-6A**

Date Collected: 11/22/11 16:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/29/2011 01:54	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/29/2011 01:54	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/29/2011 01:54	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/29/2011 01:54	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/29/2011 01:54	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 01:54	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/29/2011 01:54	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 01:54	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 01:54	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/29/2011 01:54	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/29/2011 01:54	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/29/2011 01:54	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/29/2011 01:54	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 01:54	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 01:54	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/29/2011 01:54	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/29/2011 01:54	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/29/2011 01:54	J
1,2-Dichloroethane-d4 (S)	105	%		1	80-120		11/29/2011 01:54	
Toluene-d8 (S)	106	%		1	88-110		11/29/2011 01:54	
Bromofluorobenzene (S)	110	%		1	86-115		11/29/2011 01:54	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	8.2	mg/L	I	1	10	0.87	11/23/2011 15:01	A
Fluoride	0.18	mg/L	I	1	0.20	0.078	11/23/2011 15:01	A
Nitrate	5.8	mg/L		1	0.20	0.094	11/23/2011 15:01	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	180	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863008**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-8**

Date Collected: 11/22/11 09:48

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	347	umhos/cm		1			11/22/2011 09:48	A^
Dissolved Oxygen	3.48	mg/L		1			11/22/2011 09:48	A^
Groundwater Elevation	45.13	feet		1			11/22/2011 09:48	A^
Temperature	24.32	°C		1			11/22/2011 09:48	A^
Turbidity	2.38	NTU		1			11/22/2011 09:48	A^
pH	7.34	pH unit		1			11/22/2011 09:48	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	61	ug/L	U	1	200	61	11/30/2011 16:13	J
Barium	3.9	ug/L		1	2.0	0.28	11/30/2011 16:13	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	11/30/2011 16:13	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	11/30/2011 16:13	J
Chromium	3.1	ug/L	I	1	4.0	0.50	11/30/2011 16:13	J
Cobalt	0.60	ug/L	U	1	4.0	0.60	11/30/2011 16:13	J
Iron	38	ug/L	U	1	200	38	11/30/2011 16:13	J
Manganese	0.87	ug/L	I	1	1.0	0.24	11/30/2011 16:13	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 16:13	J
Sodium	5.2	mg/L		1	0.20	0.026	11/30/2011 16:13	J
Vanadium	8.8	ug/L		1	1.5	0.18	11/30/2011 16:13	J
Zinc	4.2	ug/L	I	1	10	2.0	11/30/2011 16:13	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.20	ug/L	I,V	1	0.60	0.073	12/13/2011 21:34	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 21:34	J
Copper	0.15	ug/L	I	1	0.70	0.10	12/13/2011 21:34	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/13/2011 21:34	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 21:34	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 21:34	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/13/2011 21:34	J
Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	11/29/2011 13:52	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863008**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-8**

Date Collected: 11/22/11 09:48

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0059	ug/L	U	1	0.020	0.0059	11/30/2011 01:54	J
Ethylene Dibromide (EDB)	0.0061	ug/L	U	1	0.020	0.0061	11/30/2011 01:54	J
Tetrachloro-m-xylene (S)	87	%		1	40.3-190		11/30/2011 01:54	

## VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 02:39	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 02:39	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/29/2011 02:39	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 02:39	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/29/2011 02:39	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 02:39	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 02:39	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/29/2011 02:39	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 02:39	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 02:39	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 02:39	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/29/2011 02:39	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/29/2011 02:39	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/29/2011 02:39	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/29/2011 02:39	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/29/2011 02:39	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/29/2011 02:39	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 02:39	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/29/2011 02:39	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 02:39	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/29/2011 02:39	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 02:39	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/29/2011 02:39	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/29/2011 02:39	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/29/2011 02:39	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/29/2011 02:39	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/29/2011 02:39	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 02:39	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 02:39	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863008**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-8**

Date Collected: 11/22/11 09:48

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/29/2011 02:39	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/29/2011 02:39	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/29/2011 02:39	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/29/2011 02:39	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/29/2011 02:39	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 02:39	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/29/2011 02:39	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 02:39	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 02:39	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/29/2011 02:39	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/29/2011 02:39	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/29/2011 02:39	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/29/2011 02:39	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 02:39	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 02:39	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/29/2011 02:39	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/29/2011 02:39	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/29/2011 02:39	J
1,2-Dichloroethane-d4 (S)	107	%		1	80-120		11/29/2011 02:39	
Toluene-d8 (S)	106	%		1	88-110		11/29/2011 02:39	
Bromofluorobenzene (S)	111	%		1	86-115		11/29/2011 02:39	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	8.2	mg/L	I	1	10	0.87	11/23/2011 15:19	A
Fluoride	0.17	mg/L	I	1	0.20	0.078	11/23/2011 15:19	A
Nitrate	2.0	mg/L		1	0.20	0.094	11/23/2011 15:19	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	200	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863009**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-9A**

Date Collected: 11/22/11 09:05

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	913	umhos/cm		1			11/22/2011 09:05	A^
Dissolved Oxygen	0.62	mg/L		1			11/22/2011 09:05	A^
Groundwater Elevation	42.94	feet		1			11/22/2011 09:05	A^
Temperature	25.06	°C		1			11/22/2011 09:05	A^
Turbidity	3	NTU		1			11/22/2011 09:05	A^
pH	6.53	pH unit		1			11/22/2011 09:05	A^

### METALS

Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	140	ug/L	I	1	200	61	11/30/2011 16:18	J
Barium	11	ug/L		1	2.0	0.28	11/30/2011 16:18	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	11/30/2011 16:18	J
Cadmium	1.4	ug/L		1	0.60	0.32	11/30/2011 16:18	J
Chromium	4.2	ug/L		1	4.0	0.50	11/30/2011 16:18	J
Cobalt	18	ug/L		1	4.0	0.60	11/30/2011 16:18	J
Iron	930	ug/L		1	200	38	11/30/2011 16:18	J
Manganese	88	ug/L		1	1.0	0.24	11/30/2011 16:18	J
Nickel	5.5	ug/L	I	1	6.5	1.1	11/30/2011 16:18	J
Sodium	20	mg/L		1	0.20	0.026	11/30/2011 16:18	J
Vanadium	1.2	ug/L	I	1	1.5	0.18	11/30/2011 16:18	J
Zinc	8.4	ug/L	I	1	10	2.0	11/30/2011 16:18	J

Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.20	ug/L	I,V	1	0.60	0.073	12/13/2011 21:43	J
Arsenic	0.67	ug/L	I	1	1.0	0.36	12/13/2011 21:43	J
Copper	1.2	ug/L		1	0.70	0.10	12/13/2011 21:43	J
Lead	0.10	ug/L	I	1	0.70	0.076	12/13/2011 21:43	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 21:43	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 21:43	J
Thallium	0.19	ug/L	I	1	0.20	0.067	12/13/2011 21:43	J

Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.29	ug/L		1	0.10	0.014	11/29/2011 13:54	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863009**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-9A**

Date Collected: 11/22/11 09:05

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0058	ug/L	U	1	0.019	0.0058	11/30/2011 02:21	J
Ethylene Dibromide (EDB)	0.0059	ug/L	U	1	0.019	0.0059	11/30/2011 02:21	J
Tetrachloro-m-xylene (S)	84	%		1	40.3-190		11/30/2011 02:21	

## VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 03:24	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 03:24	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/29/2011 03:24	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 03:24	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/29/2011 03:24	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 03:24	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/29/2011 03:24	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/29/2011 03:24	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 03:24	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 03:24	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 03:24	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/29/2011 03:24	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/29/2011 03:24	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/29/2011 03:24	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/29/2011 03:24	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/29/2011 03:24	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/29/2011 03:24	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 03:24	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/29/2011 03:24	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 03:24	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/29/2011 03:24	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/29/2011 03:24	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/29/2011 03:24	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/29/2011 03:24	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/29/2011 03:24	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/29/2011 03:24	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/29/2011 03:24	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/29/2011 03:24	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/29/2011 03:24	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863009**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **MW-9A**

Date Collected: 11/22/11 09:05

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/29/2011 03:24	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/29/2011 03:24	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/29/2011 03:24	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/29/2011 03:24	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/29/2011 03:24	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/29/2011 03:24	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/29/2011 03:24	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 03:24	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/29/2011 03:24	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/29/2011 03:24	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/29/2011 03:24	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/29/2011 03:24	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/29/2011 03:24	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/29/2011 03:24	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/29/2011 03:24	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/29/2011 03:24	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/29/2011 03:24	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/29/2011 03:24	J
1,2-Dichloroethane-d4 (S)	104	%		1	80-120		11/29/2011 03:24	
Toluene-d8 (S)	105	%		1	88-110		11/29/2011 03:24	
Bromofluorobenzene (S)	109	%		1	86-115		11/29/2011 03:24	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	22	mg/L		1	10	0.87	11/23/2011 15:36	A
Fluoride	0.21	mg/L		1	0.20	0.078	11/23/2011 15:36	A
Nitrate	0.094	mg/L	U	1	0.20	0.094	11/23/2011 15:36	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.27	mg/L		1	0.10	0.025	11/30/2011 15:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	510	mg/L		1	10	10	11/28/2011 15:21	T

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863010**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **EQ BLANK**

Date Collected: 11/22/11 07:50

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>METALS</b>								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	61	ug/L	U	1	200	61	11/30/2011 16:23	J
Barium	0.28	ug/L	U	1	2.0	0.28	11/30/2011 16:23	J
Beryllium	0.13	ug/L	U	1	0.30	0.13	11/30/2011 16:23	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	11/30/2011 16:23	J
Chromium	0.50	ug/L	U	1	4.0	0.50	11/30/2011 16:23	J
Cobalt	0.60	ug/L	U	1	4.0	0.60	11/30/2011 16:23	J
Iron	38	ug/L	U	1	200	38	11/30/2011 16:23	J
Manganese	0.42	ug/L	I	1	1.0	0.24	11/30/2011 16:23	J
Nickel	1.1	ug/L	U	1	6.5	1.1	11/30/2011 16:23	J
Sodium	0.035	mg/L	I	1	0.20	0.026	11/30/2011 16:23	J
Vanadium	0.18	ug/L	U	1	1.5	0.18	11/30/2011 16:23	J
Zinc	2.0	ug/L	U	1	10	2.0	11/30/2011 16:23	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.073	ug/L	U	1	0.60	0.073	12/13/2011 21:52	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/13/2011 21:52	J
Copper	0.25	ug/L	I	1	0.70	0.10	12/13/2011 21:52	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/13/2011 21:52	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/13/2011 21:52	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/13/2011 21:52	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/13/2011 21:52	J
Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	11/29/2011 13:56	J
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water			Preparation Method: SW-846 8011					
			Analytical Method: SW-846 8011					
1,2-Dibromo-3-Chloropropane	0.0058	ug/L	U	1	0.019	0.0058	11/30/2011 02:48	J
Ethylene Dibromide (EDB)	0.0060	ug/L	U	1	0.019	0.0060	11/30/2011 02:48	J
Tetrachloro-m-xylene (S)	87	%		1	40.3-190		11/30/2011 02:48	

## VOLATILES

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863010**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **EQ BLANK**

Date Collected: 11/22/11 07:50

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260C Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 18:23	J
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 18:23	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/28/2011 18:23	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 18:23	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/28/2011 18:23	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 18:23	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 18:23	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/28/2011 18:23	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 18:23	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 18:23	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 18:23	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/28/2011 18:23	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/28/2011 18:23	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/28/2011 18:23	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/28/2011 18:23	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/28/2011 18:23	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/28/2011 18:23	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 18:23	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/28/2011 18:23	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 18:23	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/28/2011 18:23	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 18:23	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/28/2011 18:23	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/28/2011 18:23	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/28/2011 18:23	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/28/2011 18:23	J
Chloroform	2.0	ug/L		1	1.0	0.26	11/28/2011 18:23	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 18:23	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 18:23	J
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/28/2011 18:23	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/28/2011 18:23	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/28/2011 18:23	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/28/2011 18:23	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	11/28/2011 18:23	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 18:23	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/28/2011 18:23	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 18:23	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863010**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **EQ BLANK**

Date Collected: 11/22/11 07:50

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 18:23	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/28/2011 18:23	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/28/2011 18:23	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/28/2011 18:23	J
Xylene (Total)	0.62	ug/L	U	1	3.0	0.62	11/28/2011 18:23	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 18:23	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 18:23	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	11/28/2011 18:23	J
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	11/28/2011 18:23	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	11/28/2011 18:23	J
1,2-Dichloroethane-d4 (S)	104	%		1	80-120		11/28/2011 18:23	
Toluene-d8 (S)	106	%		1	88-110		11/28/2011 18:23	
Bromofluorobenzene (S)	107	%		1	86-115		11/28/2011 18:23	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water

Analytical Method: EPA 300.0

Chloride	0.87	mg/L	U	1	10	0.87	11/23/2011 15:54	A
Fluoride	0.078	mg/L	U	1	0.20	0.078	11/23/2011 15:54	A
Nitrate	0.094	mg/L	U	1	0.20	0.094	11/23/2011 15:54	A

Analysis Desc: Ammonia,E350.1,Water

Analytical Method: EPA 350.1

Ammonia (N)	0.025	mg/L	U	1	0.10	0.025	11/30/2011 15:50	T
-------------	-------	------	---	---	------	-------	------------------	---

Analysis Desc: Tot Dissolved  
Solids,SM2540C

Analytical Method: SM 2540C

Total Dissolved Solids	10	mg/L	U	1	10	10	11/28/2011 15:21	T
------------------------	----	------	---	---	----	----	------------------	---

Lab ID: **A1108863011**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **TRIP BLANK**

Date Collected: 11/22/11 00:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>VOLATILES</b>								
Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 17:38	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863011**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **TRIP BLANK**

Date Collected: 11/22/11 00:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 17:38	J
1,1,2,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	11/28/2011 17:38	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 17:38	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	11/28/2011 17:38	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	11/28/2011 17:38	J
1,2,3-Trichloropropane	0.32	ug/L	U	1	1.0	0.32	11/28/2011 17:38	J
1,2-Dibromo-3-Chloropropane	3.2	ug/L	U	1	5.0	3.2	11/28/2011 17:38	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 17:38	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 17:38	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	11/28/2011 17:38	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	11/28/2011 17:38	J
2-Butanone (MEK)	0.97	ug/L	U	1	5.0	0.97	11/28/2011 17:38	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	11/28/2011 17:38	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	11/28/2011 17:38	J
Acetone	3.3	ug/L	U	1	5.0	3.3	11/28/2011 17:38	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	11/28/2011 17:38	J
Benzene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 17:38	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	11/28/2011 17:38	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 17:38	J
Bromoform	0.62	ug/L	U	1	5.0	0.62	11/28/2011 17:38	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	11/28/2011 17:38	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	11/28/2011 17:38	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	11/28/2011 17:38	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	11/28/2011 17:38	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	11/28/2011 17:38	J
Chloroform	0.26	ug/L	U	1	1.0	0.26	11/28/2011 17:38	J
Chloromethane	0.34	ug/L	I	1	1.0	0.29	11/28/2011 17:38	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	11/28/2011 17:38	J
Dibromomethane	0.38	ug/L	U	1	1.0	0.38	11/28/2011 17:38	J
Ethylbenzene	0.24	ug/L	U	1	1.0	0.24	11/28/2011 17:38	J
Ethylene Dibromide (EDB)	0.39	ug/L	U	1	1.0	0.39	11/28/2011 17:38	J
Iodomethane (Methyl Iodide)	0.20	ug/L	U	1	5.0	0.20	11/28/2011 17:38	J
Methylene Chloride	0.50	ug/L	I	1	5.0	0.32	11/28/2011 17:38	J
Styrene	0.21	ug/L	U	1	1.0	0.21	11/28/2011 17:38	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	11/28/2011 17:38	J
Toluene	0.28	ug/L	U	1	1.0	0.28	11/28/2011 17:38	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	11/28/2011 17:38	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	11/28/2011 17:38	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	11/28/2011 17:38	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	11/28/2011 17:38	J

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## ANALYTICAL RESULTS

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID: **A1108863011**

Date Received: 11/23/11 10:52 Matrix: Water

Sample ID: **TRIP BLANK**

Date Collected: 11/22/11 00:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Xylene (Total)	<b>0.62</b>	ug/L	<b>U</b>	<b>1</b>	3.0	0.62	11/28/2011 17:38	J
cis-1,2-Dichloroethylene	<b>0.28</b>	ug/L	<b>U</b>	<b>1</b>	1.0	0.28	11/28/2011 17:38	J
cis-1,3-Dichloropropene	<b>0.29</b>	ug/L	<b>U</b>	<b>1</b>	1.0	0.29	11/28/2011 17:38	J
trans-1,2-Dichloroethylene	<b>0.40</b>	ug/L	<b>U</b>	<b>1</b>	1.0	0.40	11/28/2011 17:38	J
trans-1,3-Dichloropropylene	<b>0.19</b>	ug/L	<b>U</b>	<b>1</b>	5.0	0.19	11/28/2011 17:38	J
trans-1,4-Dichloro-2-butene	<b>1.8</b>	ug/L	<b>U</b>	<b>1</b>	5.0	1.8	11/28/2011 17:38	J
1,2-Dichloroethane-d4 (S)	<b>101</b>	%		<b>1</b>	80-120		11/28/2011 17:38	
Toluene-d8 (S)	<b>105</b>	%		<b>1</b>	88-110		11/28/2011 17:38	
Bromofluorobenzene (S)	<b>109</b>	%		<b>1</b>	86-115		11/28/2011 17:38	

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: A1108863 Sumter Co Landfill - GW

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### 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
- J4 Estimated Result

### 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: A1108863 Sumter Co Landfill - GW

QC Batch: MSVj/21397 Analysis Method: SW-846 8260B  
QC Batch Method: SW-846 5030B Prepared: 11/28/2011 09:21  
Associated Lab Samples: A1108863001, A1108863002, A1108863003, A1108863004, A1108863005, A1108863006, A1108863007, A1108863008,

METHOD BLANK: 857893

Parameter	Units	Blank Result	Reporting Limit Qualifiers
VOLATILES			
Chloromethane	ug/L	0.29	0.29 U
Vinyl Chloride	ug/L	0.37	0.37 U
Bromomethane	ug/L	0.26	0.26 U
Chloroethane	ug/L	0.58	0.58 U
Trichlorofluoromethane	ug/L	0.35	0.35 U
Acetone	ug/L	3.3	3.3 U
1,1-Dichloroethylene	ug/L	0.29	0.29 U
Iodomethane (Methyl Iodide)	ug/L	0.20	0.20 U
Acrylonitrile	ug/L	1.6	1.6 U
Methylene Chloride	ug/L	0.32	0.32 U
Carbon Disulfide	ug/L	0.34	0.34 U
trans-1,2-Dichloroethylene	ug/L	0.40	0.40 U
1,1-Dichloroethane	ug/L	0.21	0.21 U
Vinyl Acetate	ug/L	0.35	0.35 U
2-Butanone (MEK)	ug/L	0.97	0.97 U
cis-1,2-Dichloroethylene	ug/L	0.28	0.28 U
Bromochloromethane	ug/L	0.37	0.37 U
Chloroform	ug/L	0.26	0.26 U
1,2-Dichloroethane	ug/L	0.29	0.29 U
1,1,1-Trichloroethane	ug/L	0.29	0.29 U
Carbon Tetrachloride	ug/L	0.24	0.24 U
Benzene	ug/L	0.21	0.21 U
Dibromomethane	ug/L	0.38	0.38 U
1,2-Dichloropropane	ug/L	0.29	0.29 U
Trichloroethene	ug/L	0.36	0.36 U
Bromodichloromethane	ug/L	0.26	0.26 U
cis-1,3-Dichloropropene	ug/L	0.29	0.29 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.51	0.51 U
trans-1,3-Dichloropropylene	ug/L	0.19	0.19 U
1,1,2-Trichloroethane	ug/L	0.33	0.33 U
Toluene	ug/L	0.28	0.28 U
2-Hexanone	ug/L	0.44	0.44 U
Dibromochloromethane	ug/L	0.33	0.33 U
Ethylene Dibromide (EDB)	ug/L	0.39	0.39 U
Tetrachloroethylene (PCE)	ug/L	0.59	0.59 U
1,1,1,2-Tetrachloroethane	ug/L	0.32	0.32 U
Chlorobenzene	ug/L	0.23	0.23 U
Ethylbenzene	ug/L	0.24	0.24 U
Bromoform	ug/L	0.62	0.62 U

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

METHOD BLANK: 857893

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Styrene	ug/L	0.21	0.21	U
1,1,2,2-Tetrachloroethane	ug/L	0.48	0.48	U
1,2,3-Trichloropropane	ug/L	0.32	0.32	U
1,4-Dichlorobenzene	ug/L	0.37	0.37	U
1,2-Dichlorobenzene	ug/L	0.36	0.36	U
1,2-Dibromo-3-Chloropropane	ug/L	3.2	3.2	U
trans-1,4-Dichloro-2-butene	ug/L	1.8	1.8	U
Xylene (Total)	ug/L	0.62	0.62	U
1,2-Dichloroethane-d4 (S)	%	101	80-120	
Toluene-d8 (S)	%	106	88-110	
Bromofluorobenzene (S)	%	107	86-115	

LABORATORY CONTROL SAMPLE: 857894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	14	71	70-130	
1,1-Dichloroethylene	ug/L	20	20	98	70-130	
cis-1,2-Dichloroethylene	ug/L	20	19	96	70-130	
Chloroform	ug/L	20	19	95	70-130	
Benzene	ug/L	20	19	93	70-130	
Trichloroethene	ug/L	20	18	89	70-130	
Toluene	ug/L	20	19	96	70-130	
Tetrachloroethylene (PCE)	ug/L	20	18	92	70-130	
Chlorobenzene	ug/L	20	20	99	70-130	
Ethylbenzene	ug/L	20	20	102	70-130	
1,2-Dichlorobenzene	ug/L	20	20	99	70-130	
Xylene (Total)	ug/L	60	62	104	70-130	
1,2-Dichloroethane-d4 (S)	%			91	80-120	
Toluene-d8 (S)	%			100	88-110	
Bromofluorobenzene (S)	%			99	86-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 858456 858457 Original: A1108863001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Vinyl Chloride	ug/L	0	20	21	20	105	102	70-130	3	30	

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 858456 858457 Original: A1108863001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
1,1-Dichloroethylene	ug/L	0	20	22	21	108	103	70-130	5	30	
cis-1,2-Dichloroethylene	ug/L	0	20	20	20	102	102	70-130	0	30	
Chloroform	ug/L	0	20	20	20	102	101	70-130	1	30	
Benzene	ug/L	0	20	20	20	100	98	70-130	2	30	
Trichloroethene	ug/L	0	20	19	19	95	94	70-130	1	30	
Toluene	ug/L	0	20	21	20	103	102	70-130	2	30	
Tetrachloroethylene (PCE)	ug/L	0	20	13	13	65	65	70-130	1	30	
Chlorobenzene	ug/L	0	20	21	20	104	102	70-130	2	30	
Ethylbenzene	ug/L	0	20	22	21	109	105	70-130	4	30	
1,2-Dichlorobenzene	ug/L	0	20	20	20	100	102	70-130	2	30	
Xylene (Total)	ug/L	0	60	66	65	109	108	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%	104				93	92	80-120	1		
Toluene-d8 (S)	%	104				100	99	88-110	0		
Bromofluorobenzene (S)	%	110				98	100	86-115	1		

QC Batch: WCA/40022

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Prepared:

Associated Lab Samples: A1108863001, A1108863002, A1108863003, A1108863004, A1108863005, A1108863006, A1108863007, A1108863008,

METHOD BLANK: 857897

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

LABORATORY CONTROL SAMPLE: 857898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	650	98		

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

SAMPLE DUPLICATE: 857899 Original: A1108863001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	290	290	1	

SAMPLE DUPLICATE: 857900 Original: T1115769003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
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### WET CHEMISTRY

Total Dissolved Solids	mg/L	48	50	4	
QC Batch:	WCAa/19461	Analysis Method:		EPA 300.0	
QC Batch Method:	EPA 300.0	Prepared:			

Associated Lab Samples: A1108863001, A1108863002, A1108863003, A1108863004, A1108863005, A1108863006, A1108863007, A1108863008,

METHOD BLANK: 857945

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: 857946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Fluoride	mg/L	3	3.1	102	90-110
Chloride	mg/L	30	29	96	90-110
Nitrate	mg/L	3	2.9	96	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 857947 857948 Original: A1108863006

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD Qualifiers
WET CHEMISTRY										
Fluoride	mg/L	0.19	3	3.1	3.1	97	97	90-110	0	10

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 857947 857948 Original: A1108863006

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Nitrate	mg/L	4.4	3	7.4	7.4	101	99	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 857949 857950 Original: A1108863009

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	22	10	32	31	100	98	90-110	1	10	

QC Batch: DGMj/23724

Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A

Prepared: 11/29/2011 03:30

Associated Lab Samples: A1108863001, A1108863002, A1108863003, A1108863004, A1108863005, A1108863006, A1108863007, A1108863008,

METHOD BLANK: 858191

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
<b>METALS</b>				
Copper	ug/L	0.10	0.10	U
Arsenic	ug/L	0.36	0.36	U
Selenium	ug/L	2.2	2.2	U
Silver	ug/L	0.059	0.059	U
Antimony	ug/L	0.76	0.073	
Thallium	ug/L	0.067	0.067	U
Lead	ug/L	0.076	0.076	U

LABORATORY CONTROL SAMPLE & LCSD: 858192 858193

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>										
Copper	ug/L	100	96	96	96	96	85-115	0	20	
Arsenic	ug/L	100	98	98	98	98	85-115	1	20	
Selenium	ug/L	100	100	99	100	99	85-115	1	20	
Silver	ug/L	100	100	99	100	99	85-115	1	20	
Antimony	ug/L	100	110	110	107	106	85-115	0	20	
Thallium	ug/L	100	100	99	100	99	85-115	1	20	
Lead	ug/L	100	100	100	100	100	85-115	0	20	

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 858194 858195 Original: A1108863001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Copper	ug/L	0.45	100	94	93	94	93	70-130	1	20	
Arsenic	ug/L	0.018	100	99	98	99	98	70-130	1	20	
Selenium	ug/L	-0.052	100	96	96	96	96	70-130	0	20	
Silver	ug/L	0.0081	100	98	97	98	97	70-130	1	20	
Antimony	ug/L	0.37	100	110	110	108	106	70-130	2	20	
Thallium	ug/L	0.091	100	100	100	102	101	70-130	1	20	
Lead	ug/L	0.32	100	100	100	102	101	70-130	1	20	

QC Batch: DGMj/23727

Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A

Prepared: 11/29/2011 07:00

Associated Lab Samples: A1108863001, A1108863002, A1108863003, A1108863004, A1108863005, A1108863006, A1108863007, A1108863008,

METHOD BLANK: 858239

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

LABORATORY CONTROL SAMPLE & LCSD: 858240 858241

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>										
Mercury	ug/L	2	1.9	2.0	97	98	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 858242 858243 Original: A1108863001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Mercury	ug/L	0.0067	2	1.9	2.0	97	98	80-120	1	20	

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

QC Batch: EXTj/21900 Analysis Method: SW-846 8011  
QC Batch Method: SW-846 8011 Prepared: 11/29/2011 14:00  
Associated Lab Samples: A1108863001, A1108863002, A1108863003, A1108863004, A1108863005, A1108863006, A1108863007, A1108863008,

METHOD BLANK: 858738

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
Ethylene Dibromide (EDB)	ug/L	0.0059	0.0059 U
1,2-Dibromo-3-Chloropropane	ug/L	0.0057	0.0057 U
Tetrachloro-m-xylene (S)	%	69	40.3-190

LABORATORY CONTROL SAMPLE: 858739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
SEMIVOLATILES					
Ethylene Dibromide (EDB)	ug/L	0.24	0.19	82	65-135
1,2-Dibromo-3-Chloropropane	ug/L	0.24	0.17	72	65-135
Tetrachloro-m-xylene (S)	%			53	40.3-190

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 858740 858741 Original: M1102562005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
Ethylene Dibromide (EDB)	ug/L	0	0.25	0.21	0.21	85	87	65-135	2	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.25	0.19	0.20	77	80	65-135	4	30	
Tetrachloro-m-xylene (S)	%	62				58	59	40.3-190	2		

QC Batch: DGMj/23730 Analysis Method: SW-846 6010  
QC Batch Method: SW-846 3010A Prepared: 11/30/2011 03:30  
Associated Lab Samples: A1108863001, A1108863002, A1108863003, A1108863004, A1108863005, A1108863006, A1108863007, A1108863008,

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

METHOD BLANK: 859112

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
<b>METALS</b>				
Aluminum	ug/L	61	61	U
Barium	ug/L	0.28	0.28	U
Beryllium	ug/L	0.13	0.13	U
Cadmium	ug/L	0.32	0.32	U
Cobalt	ug/L	0.60	0.60	U
Chromium	ug/L	0.50	0.50	U
Iron	ug/L	38	38	U
Manganese	ug/L	0.24	0.24	U
Sodium	mg/L	0.026	0.026	U
Nickel	ug/L	1.1	1.1	U
Vanadium	ug/L	0.18	0.18	U
Zinc	ug/L	2.0	2.0	U

LABORATORY CONTROL SAMPLE & LCSD: 859113 859114

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>										
Aluminum	ug/L	25000	26000	26000	102	101	80-120	1	20	
Barium	ug/L	400	400	400	101	100	80-120	1	20	
Beryllium	ug/L	400	420	420	106	105	80-120	0	20	
Cadmium	ug/L	400	400	400	101	100	80-120	1	20	
Cobalt	ug/L	400	390	390	98	97	80-120	1	20	
Chromium	ug/L	400	400	390	99	98	80-120	2	20	
Iron	ug/L	25000	27000	27000	106	106	80-120	0	20	
Manganese	ug/L	400	400	400	101	99	80-120	2	20	
Sodium	mg/L	50	51	50	100	99	80-120	2	20	
Nickel	ug/L	400	390	380	97	95	80-120	2	20	
Vanadium	ug/L	400	420	420	106	104	80-120	1	20	
Zinc	ug/L	400	390	380	98	96	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 859115 859116 Original: A1108863001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Aluminum	ug/L	530	25000	26000	27000	102	102	75-125	0	20	
Barium	ug/L	13	400	410	400	98	97	75-125	1	20	

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 859115 859116 Original: A1108863001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
Beryllium	ug/L	0.13	400	420	430	106	106	75-125	0	20	
Cadmium	ug/L	0.49	400	400	390	99	97	75-125	2	20	
Cobalt	ug/L	0.27	400	390	380	96	95	75-125	1	20	
Chromium	ug/L	7.2	400	400	400	99	97	75-125	1	20	
Iron	ug/L	510	25000	27000	27000	105	106	75-125	0	20	
Manganese	ug/L	20	400	420	410	100	99	75-125	2	20	
Sodium	mg/L	6.4	50	57	56	100	99	75-125	1	20	
Nickel	ug/L	-0.26	400	390	380	97	96	75-125	1	20	
Vanadium	ug/L	11	400	440	430	106	105	75-125	1	20	
Zinc	ug/L	5	400	390	390	97	95	75-125	2	20	

QC Batch: WCA1/40063

Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1

Prepared:

Associated Lab Samples: A1108863001, A1108863002

METHOD BLANK: 859237

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

LABORATORY CONTROL SAMPLE: 859238

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: 859239 859240 Original: M1102581004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
WET CHEMISTRY Ammonia (N)	mg/L	0.92	3	4.0	4.0	104	101	90-110	2	10	

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## QUALITY CONTROL DATA

Workorder: A1108863 Sumter Co Landfill - GW

QC Batch: WCAI/40064 Analysis Method: EPA 350.1  
QC Batch Method: EPA 350.1 Prepared:  
Associated Lab Samples: A1108863003, A1108863004, A1108863005, A1108863006, A1108863007, A1108863008, A1108863009, A1108863010

METHOD BLANK: 859241

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

LABORATORY CONTROL SAMPLE: 859242

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: 859243 859244 Original: A1108863003

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	3.0	2.8	98	93	90-110	5	10	

## QUALITY CONTROL DATA QUALIFIERS

Workorder: A1108863 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: A1108863 Sumter Co Landfill - GW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1108863001	MW-10	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863002	MW-11	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863003	MW-2	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863004	MW-4	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863005	MW-4A	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863006	MW-4B	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863007	MW-6A	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863008	MW-8	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863009	MW-9A	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863010	EQ BLANK	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863011	TRIP BLANK	SW-846 5030B	MSVj/21397	SW-846 8260B	MSVj/21398
A1108863001	MW-10			SM 2540C	WCA <sub>t</sub> /40022
A1108863002	MW-11			SM 2540C	WCA <sub>t</sub> /40022
A1108863003	MW-2			SM 2540C	WCA <sub>t</sub> /40022
A1108863004	MW-4			SM 2540C	WCA <sub>t</sub> /40022
A1108863005	MW-4A			SM 2540C	WCA <sub>t</sub> /40022
A1108863006	MW-4B			SM 2540C	WCA <sub>t</sub> /40022
A1108863007	MW-6A			SM 2540C	WCA <sub>t</sub> /40022
A1108863008	MW-8			SM 2540C	WCA <sub>t</sub> /40022
A1108863009	MW-9A			SM 2540C	WCA <sub>t</sub> /40022
A1108863010	EQ BLANK			SM 2540C	WCA <sub>t</sub> /40022
A1108863001	MW-10			EPA 300.0	WCA <sub>a</sub> /19461
A1108863002	MW-11			EPA 300.0	WCA <sub>a</sub> /19461
A1108863003	MW-2			EPA 300.0	WCA <sub>a</sub> /19461
A1108863004	MW-4			EPA 300.0	WCA <sub>a</sub> /19461
A1108863005	MW-4A			EPA 300.0	WCA <sub>a</sub> /19461
A1108863006	MW-4B			EPA 300.0	WCA <sub>a</sub> /19461
A1108863007	MW-6A			EPA 300.0	WCA <sub>a</sub> /19461
A1108863008	MW-8			EPA 300.0	WCA <sub>a</sub> /19461
A1108863009	MW-9A			EPA 300.0	WCA <sub>a</sub> /19461
A1108863010	EQ BLANK			EPA 300.0	WCA <sub>a</sub> /19461

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1108863001	MW-10	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863002	MW-11	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863003	MW-2	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863004	MW-4	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863005	MW-4A	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863006	MW-4B	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863007	MW-6A	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863008	MW-8	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863009	MW-9A	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863010	EQ BLANK	SW-846 3010A	DGMj/23724	SW-846 6020	ICMj/17653
A1108863001	MW-10	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863002	MW-11	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863003	MW-2	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863004	MW-4	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863005	MW-4A	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863006	MW-4B	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863007	MW-6A	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863008	MW-8	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863009	MW-9A	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863010	EQ BLANK	SW-846 7470A	DGMj/23727	SW-846 7470A	CVAj/17244
A1108863001	MW-10	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863002	MW-11	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863003	MW-2	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863004	MW-4	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863005	MW-4A	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863006	MW-4B	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863007	MW-6A	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863008	MW-8	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863009	MW-9A	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863010	EQ BLANK	SW-846 8011	EXTj/21900	SW-846 8011	GCSj/20515
A1108863001	MW-10	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1108863 Sumter Co Landfill - GW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1108863002	MW-11	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863003	MW-2	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863004	MW-4	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863005	MW-4A	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863006	MW-4B	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863007	MW-6A	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863008	MW-8	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863009	MW-9A	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863010	EQ BLANK	SW-846 3010A	DGMj/23730	SW-846 6010	ICPj/22172
A1108863001	MW-10			EPA 350.1	WCAt/40063
A1108863002	MW-11			EPA 350.1	WCAt/40063
A1108863003	MW-2			EPA 350.1	WCAt/40064
A1108863004	MW-4			EPA 350.1	WCAt/40064
A1108863005	MW-4A			EPA 350.1	WCAt/40064
A1108863006	MW-4B			EPA 350.1	WCAt/40064
A1108863007	MW-6A			EPA 350.1	WCAt/40064
A1108863008	MW-8			EPA 350.1	WCAt/40064
A1108863009	MW-9A			EPA 350.1	WCAt/40064
A1108863010	EQ BLANK			EPA 350.1	WCAt/40064
A1108863001	MW-10	DISRES	FLDa/	DISRES	FLDa/
A1108863002	MW-11	DISRES	FLDa/	DISRES	FLDa/
A1108863003	MW-2	DISRES	FLDa/	DISRES	FLDa/
A1108863004	MW-4	DISRES	FLDa/	DISRES	FLDa/
A1108863005	MW-4A	DISRES	FLDa/	DISRES	FLDa/
A1108863006	MW-4B	DISRES	FLDa/	DISRES	FLDa/
A1108863007	MW-6A	DISRES	FLDa/	DISRES	FLDa/
A1108863008	MW-8	DISRES	FLDa/	DISRES	FLDa/
A1108863009	MW-9A	DISRES	FLDa/	DISRES	FLDa/

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# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-10</b>		SAMPLE ID: <b>MW-10</b>	
		DATE: <b>11/22/11</b>	

## PURGING DATA

WELL <b>2" PVC</b>		TUBING <b>3/8"</b>		WELL SCREEN INTERVAL		STATIC DEPTH <b>24.30'</b>		PURGE PUMP TYPE			
DIAMETER (Inches):		DIAMETER (Inches):		DEPTH: feet to feet		TO WATER (feet):		OR BAILER: <b>ESP</b>			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
= ( <b>45.35'</b> 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 = <b>.02</b> gallons + ( <b>.006</b> gallons/foot X <b>45'</b> feet ) + <b>.125</b> gallons = <b>.415</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~40'</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~40'</b>		PURGING INITIATED AT: <b>1010</b>		PURGING ENDED AT: <b>1038</b>		TOTAL VOLUME PURGED (gallons): <b>12</b>			
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)
1032	10.5	10.5	.25	25.80	6.94	25.05	531	1.28	15.9	Clear	None
1034	.5	11	.25	25.78	6.94	25.04	531	1.30	12.5	Clear	None
1036	.5	11.5	.25	25.76	6.94	25.04	531	1.72	10.8	Clear	None
1038	.5	12	.25	25.73	6.94	25.07	530	1.64	9.16	Clear	None
No screen											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 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: <b>H. L. Claytor, Colinas Group, Inc.</b>		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: <b>1040</b>		SAMPLING ENDED AT: <b>1050</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>~40'</b>		SAMPLE PUMP		FLOW RATE (mL per minute): <b>&lt; 250 mL</b>		MATERIAL CODE: <b>PE</b>	
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		FIELD-FILTERED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		FILTER SIZE: <b>_____</b> µm		DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> 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
MW-10	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228
"	1	PE	250 mL	H2S04	None	—	Total Ammonia
"	1	PE	250 mL	HN03	None	—	Metals
"	2x	PE	250/120 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS

REMARKS: **6** Various Various Various **None** **APPI Perms** **ESP**

1010: Inserted SS ESP and dedicated 3/8" PE tubing to ~40' btoe and began purging @ .75 gpm. This well is typically extremely turbid at beginning of purge requiring over purging at a high flow rate to clear it up.

1020: Turbidity is @ 36 NTUs, reduced flow to .25 gpm and continuing purge.

1028: Turbidity has dropped to 18 NTUs. WL 25.82' @ .25 gpm and slowly recovering. All parameters are either in range or are 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)	

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



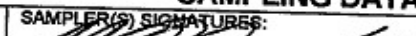
# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-11</b>		SAMPLE ID: <b>MW-11</b>	
		DATE: <b>4/22/11</b>	

## PURGING DATA

[illegible]

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <b>H. L. Claytor, Colinas Group, Inc.</b>				SAMPLER(S) SIGNATURES: 			SAMPLING INITIATED AT: <b>1408</b>		SAMPLING ENDED AT: <b>1418</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>~35'</b>				SAMPLE PUMP FLOW RATE (mL per minute): <b>&lt; 250 mL</b>			TUBING		MATERIAL CODE: <b>PE</b>	
FIELD DECONTAMINATION: <b>Y</b> <b>N</b>				FIELD-FILTERED: <b>Y</b> <b>N</b> FILTER SIZE: _____ $\mu$ m			DUPLICATE: <b>Y</b> <b>N</b>			
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	---	Gross Alpha, RA226, RA228		ESP	
"	1	PE	250 mL	H2SO4	None	---	Total Ammonia		ESP	
"	1	PE	250 mL	HN03	None	---	Metals		ESP	
"	1	PE	250 mL	None	None	---	Chloride, Fluoride, Nitrate, TDS		ESP	
REMARKS:										

REMARKS:

6 Various Various

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None

## Agro I Farms

£50

1342: Inserted SS ESP and dedicated 3/8" PE tubing to ~35' btoe and began purging @ 1.3 gpm. This well is typically turbid at beginning of purge requiring over purging at a high rate of flow to clean it up.

1347: Turbidity is @ 20 NTUs, reduced flow to 125 gpm.

1351: WL 26.57 @ .25 gpm, turbidity has dropped to 16 NTUs. All parameters are within range. Drawdown is stable.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure pump volume.

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)

Notes: 1. The above do not constitute all the information that may be required for a particular application. For example, the material of construction of the pump may be critical for certain applications. For example, the material of construction of the pump may be critical for certain applications. For example, the material of construction of the pump may be critical for certain applications.

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:**  $\pm 0.2$  units; Temperature:  $\pm 0.2$  degrees C; Specific Conductance:  $\pm 5\%$ ; Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2), optionally,  $\pm .02$  mg/L or  $\pm 10\%$  (whichever is greater); Turbidity: all readings  $\leq 20$  NTU, optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater);



# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-2</b>		SAMPLE ID: <b>MW-2</b>	
		DATE: <b>11/22/11</b>	

## PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH <b>25.23'</b>	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	OR BAILER: <b>PP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
only fill out if applicable											
<b>Well Vol = ( 31.92' feet - 25.23' feet ) X .16 gallons/foot = 1.0704 gallons</b>											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
only fill out if applicable											
<b>1 Equip Vol = .02 gallons + ( .006 gallons/foot X feet ) + .125 gallons = gallons</b>											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~27'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~27'</b>	PURGING INITIATED AT: <b>1439</b>	PURGING ENDED AT: <b>1457</b>	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)
1453	1.12	1.12	.08	25.38	7.07	22.31	337	4.72	1.59	Clear	None
1455	1.16	1.28	.08	25.38	7.06	22.30	335	4.69	1.31	Clear	None
1457	1.16	1.44	.08	25.38	7.04	22.32	333	5.00	1.08	Clear	None
<b>No stream</b>											
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: <b>H. L. Claytor, Colinas Group, Inc.</b>		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: <b>1458</b>	SAMPLING ENDED AT: <b>1515</b>			
PUMP OR TUBING DEPTH IN WELL (feet): <b>~27'</b>		SAMPLE PUMP FLOW RATE (mL per minute): <b>&lt; 250 mL</b>		TUBING MATERIAL CODE: <b>PE</b>				
FIELD DECONTAMINATION: <b>(Y) N</b>		FIELD-FILTERED: <b>(Y) N</b>		FILTER SIZE: _____ µm				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		DUPLICATE: <b>Y (N)</b>				
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-2	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228	APP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	APP
"	1	PE	250 mL	HN03	None	—	Metals	APP
"	12	PE	250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	APP

REMARKS: **6 Various Various Various None AppI Farms RFAA/APP**

1439: Set dedicated 1/4" PE tubing @ ~27' b/c and began purging @ .08 gpm with a PP.

1448: WL 25.38' @ .08 gpm, GW is clear. DO is high @ 5.05 mg/L, but is typical for this well. Will use optional stabilization criteria below.

1450: WL 25.38' @ .08 gpm, draw down is stable. GW is clear. All parameters are either within range or are stable.

1452: WL 25.38' @ .08 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: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

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




## GROUNDWATER SAMPLING LOG

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-4</b>		SAMPLE ID: <b>MW-4</b>	
		DATE: <b>11/22/11</b>	

## PURGING DATA

WELL 2" PVC		TUBING 3/8"		WELL SCREEN INTERVAL		STATIC DEPTH <b>26.66</b>		PURGE PUMP TYPE			
DIAMETER (inches):		DIAMETER (inches):		DEPTH: feet to feet		TO WATER (feet):		OR BAILER: <b>ESP</b>			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
only fill out if applicable											
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): <b>~30'</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~30'</b>		PURGING INITIATED AT: <b>1216</b>		PURGING ENDED AT: <b>1231</b>		TOTAL VOLUME PURGED (gallons): <b>3.00</b>			
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)
1227	2.20	2.20	.2	27.05	7.22	26.63	582	1.77	2.53	Clear	None
1229	.4	2.60	.2	27.00	7.21	26.65	583	1.76	4.84	Clear	None
1231	.4	3.00	.2	27.00	7.21	26.70	583	.86	3.94	Clear	None
No Screen											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal/Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <b>H. L. Claytor, Colinas Group, Inc.</b>				SAMPLER(S) SIGNATURES: 				SAMPLING INITIATED AT: <b>1232</b>		SAMPLING ENDED AT: <b>1245</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>~30'</b>				SAMPLE PUMP FLOW RATE (mL per minute): <b>&lt; 250 mL</b>				TUBING MATERIAL CODE: <b>PE</b>			
FIELD DECONTAMINATION: <b>(Y) N</b>				FIELD-FILTERED: <b>Y (N)</b> FILTER SIZE: <b>µm</b>				DUPLICATE: <b>Y (N)</b>			
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-4	2	PE	1 Ltr	HN03	None	---	Gross Alpha, RA226RA228		ESP		
"	1	PE	250 mL	H2SO4	None	---	Ammonia		ESP		
"	1	PE	250 mL	HN03	None	---	Metals		ESP		
"	1	PE	250 mL	None	None	---	Chloride, Fluoride, Nitrate, TDS		ESP		

REMARKS: **6 Various Various Various None App I Farms ESP**

1216: Inserted SS ESP and dedicated 3/8" PE tubing to ~30' GLOC and began purging @ .2 gpm.

1223: WL 27.05' @ .2 gpm, GW is clear.

1225: WL 27.06' @ .2 gpm, drawdown is stable. All parameters are within range.

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

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

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

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

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



## GROUNDWATER SAMPLING LOG

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-4A</b>		SAMPLE ID: <b>MW-4A</b>	
		DATE: <b>11/22/11</b>	

## PURGING DATA

WELL 2" PVC		TUBING 3/8"		WELL SCREEN INTERVAL		STATIC DEPTH <b>31.87</b>		PURGE PUMP TYPE			
DIAMETER (inches):		DIAMETER (inches):		DEPTH: feet to feet		TO WATER (feet):		OR BAILER: <b>ESP</b>			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
= ( <b>45.23'</b> feet - <b>31.87'</b> feet ) X <b>0.006</b> gallons/foot = <b>0.08</b> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
1 Equip Vol = <b>0.02</b> gallons + ( <b>0.006</b> gallons/foot X <b>40'</b> feet ) + <b>0.125</b> gallons = <b>0.385</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~40'</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~40'</b>		PURGING INITIATED AT: <b>1300</b>		PURGING ENDED AT: <b>1316</b>		TOTAL VOLUME PURGED (gallons): <b>3.20</b>			
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)
1312	2.40	2.40	0.2	32.00	7.06	26.64	665	0.22	13.5	Clear	None
1314	0.4	2.80	0.2	32.00	7.06	26.62	665	0.63	14.6	Clear	None
1316	0.4	3.20	0.2	32.00	7.06	26.69	665	0.57	2.10	Clear	None
No Shocks											
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: <b>H. L. Claytor, Colinas Group, Inc.</b>				SAMPLER(S) SIGNATURES: <i>[Signature]</i>				SAMPLING INITIATED AT: <b>1317</b>		SAMPLING ENDED AT: <b>1330</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>~40'</b>				FLOW RATE (ml per minute): <b>&lt; 250 mL</b>				TUBING MATERIAL CODE: <b>PE</b>			
FIELD DECONTAMINATION: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>				FIELD-FILTERED: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>				FILTER SIZE: <b>0.45</b> µm		DUPLICATE: <b>Y</b> <input type="radio"/> <b>N</b> <input checked="" type="radio"/>	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-4A	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228		ESP		
"	1	PE	250 mL	H2SO4	None	—	Total Ammonia		ESP		
"	1	PE	250 mL	HN03	None	—	Metals		ESP		
"	2	PE	250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS		ESP		

REMARKS: **6** Various Various Various None — AppI Pumps ESP

1300: Inserted SS ESP and dedicated 3/8" PE tubing to ~40' btoe and began purging @ 0.2 gpm. This well is typically turbid at beginning of purge requiring over purging to clear it up.

1306: Turbidity is @ 38 NTUs, continuing purge. WL 32.00' @ 0.2 gpm.

1311: Turbidity is @ 17 NTUs. WL 32.00' @ 0.2 gpm and is stable. All parameters are within range.

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

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

SAMPLING/PURGING: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

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

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



## GROUNDWATER SAMPLING LOG

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-4B</b>	SAMPLE ID: <b>MW-4B</b>	DATE: <b>11/22/11</b>	

## PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH <b>29.95'</b>	PURGE PUMP TYPE OR BAILER: <b>ESP</b>							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
only fill out if applicable											
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) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~33'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~33'</b>	PURGING INITIATED AT: <b>1116</b>	PURGING ENDED AT: <b>1131</b>	TOTAL VOLUME PURGED (gallons): <b>3.00</b>							
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)
1127	2.20	2.20	.2	30.02	9.29	25.80	139	5.07	4.71	Clear	None
1129	.4	2.60	.2	30.03	9.28	25.81	139	5.05	4.33	Clear	None
1130	.4	3.00	.2	30.04	9.27	25.81	139	5.11	4.45	Clear	None
No sludges											
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: <b>H. L. Claytor, Colinas Group, Inc.</b>		SAMPLER SIGNATURES:		SAMPLING INITIATED AT: <b>1132</b>	SAMPLING ENDED AT: <b>1144</b>			
PUMP OR TUBING DEPTH IN WELL (feet): <b>~33'</b>		FLOW RATE (mL per minute): <b>&lt; 250 mL</b>		TUBING MATERIAL CODE: <b>PE</b>				
FIELD DECONTAMINATION: <b>(Y) N</b>		FIELD-FILTERED: <b>Y N</b>		FILTER SIZE: <b>µm</b>				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		DUPLICATE: <b>Y (N)</b>				
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	—	Gross Alpha, RA228RA228	ESP
"	1	PE	250 mL	H2SO4	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	2+	PE	250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

## REMARKS:

1116: Inserted SS ESP and dedicated 3/8" PE tubing to ~33' static and began purging @ .2 gpm.

1122: WL 30.05' @ .2 gpm, parameters are within range except for pH and DO, but both are typically high in this well. Will use optional stabilization criteria below.

1125: WL 30.02' @ .2 gpm, drawdown is stable. All parameters are stable.

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

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

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

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



## GROUNDWATER SAMPLING LOG

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-6A</b>	SAMPLE ID: <b>MW-6A</b>	DATE: <b>11/22/11</b>	

## PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 33.42	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	OR BAILER: <b>ESP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
= ( <b>50.84'</b> feet - feet ) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
(only fill out if applicable)											
1 Equip Vol = .02 gallons + ( .006 gallons/foot X 50' feet ) + .125 gallons = .445 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~45'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~45'</b>	PURGING INITIATED AT: <b>1606</b>	PURGING ENDED AT: <b>1631</b>	TOTAL VOLUME PURGED (gallons): <b>1.335</b>							
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)
1627	16.75	16.75	.75	33.54	7.79	24.65	255	6.77	10.1	Clear	None
1629	1.50	18.25	.75	33.54	7.79	24.44	255	6.73	10.8	Clear	None
1631	1.50	19.75	.75	33.54	7.80	24.44	255	6.72	7.11	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/FL): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <b>H. L. Claytor, Colinas Group, Inc.</b>		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: <b>1632</b>	SAMPLING ENDED AT: <b>1645</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>~45'</b>		SAMPLE PUMP FLOW RATE (mL per minute): <b>&lt; 250 mL</b>		MATERIAL CODE: <b>PE</b>	
FIELD DECONTAMINATION: <b>(Y) N</b>		FIELD-FILTERED: <b>(Y) N</b>		FILTER SIZE: <b>μm</b>	
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)
MW-6A	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2S04	None
"	1	PE	250 mL	HN03	None
"	2	PE	250 mL	None	None
				FINAL pH	
				INTENDED ANALYSIS AND/OR METHOD	
				SAMPLING EQUIPMENT CODE	
				Gross Alpha, RA226RA228	
				ESP	
				Total Ammonia	
				ESP	
				Metals	
				ESP	
				Chloride, Fluoride, Nitrate, TDS	
				ESP	

REMARKS: 6 Various Various Various None - App2 Pumps 250

1606: Inserted 55 ESP and dedicated 3/8" PE tubing to ~45' stoc and began purging @ 1 gpm. This well typically requires over purging at a high flow rate to clear up turbidity.

1611: WL 33.58' @ 1.9 gpm, turbidity is @ 51 NTUs, continuing purge.

1616: WL 33.58' @ 1.9 gpm, turbidity is at 28 NTUs, continuing purge. Reduced flow to .25 gpm.

1619: Turbidity is going up at lower flow rate? Increased flow rate to .75 gpm, is @ 58 NTUs.

1625: Turbidity is @ 16 NTUs. DO is high @ 6.96 mg/L, but is typical for this well. All other parameters are in range.

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

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

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

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

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



WELL 2" PVC		TUBING 3/8"		WELL SCREEN INTERVAL		STATIC DEPTH		PURGE PUMP TYPE			
DIAMETER (inches):		DIAMETER (inches):		DEPTH: feet to feet		TO WATER (feet):		OR BAILER: ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
= ( 43.24' 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 43' feet ) + .125 gallons = gallons + 4.03											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 38'		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 38'		PURGING INITIATED AT: 0920		PURGING ENDED AT: 0935		TOTAL VOLUME PURGED (gallons): 2.21			
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)
0931	1.53	1.53	.17	24.17'	7.34	24.25	348	3.49	4.84	Clear	None
0933	.34	1.87	.17	24.17'	7.34	24.30	348	3.54	3.15	Clear	None
0935	.34	2.21	.17	24.17'	7.34	24.32	347	3.48	2.38	Clear	None
WELL CAPACITY (Gallons Per Foot): 0.76" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

REMARKS:	6	Various	Various	Various	None	-	Ammonia, Fluoride, Nitrate, TDS	ESP
	6	Various	Various	Various	None	-	App'l Params	ESP
0922:	Inserted SS ESP and dedicated 3/8" PE tubing to N 38.6 loc and began purging @ .17 gpm.							
0927:	WL 24.17' @ .17 gpm, GW is clear. DO is high @ 3.94 mg/L, but is typical for this well. Will use optional stabilization criteria below.							
0929:	WL 24.17' @ .17 gpm, drawdown is stable. All parameters are either in range or are stable.							

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

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



## GROUNDWATER SAMPLING LOG

9.5  
5.25

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-9A</b>		SAMPLE ID: <b>MW-9A</b>	
		DATE: <b>11/22/11</b>	

## PURGING DATA

WELL 2" PVC		TUBING 3/8"		WELL SCREEN INTERVAL		STATIC DEPTH <b>31.32'</b>		PURGE PUMP TYPE			
DIAMETER (inches):		DIAMETER (inches):		DEPTH: feet to feet		TO WATER (feet):		OR BAILER: <b>ESP</b>			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
= ( <b>50.17'</b> 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 = <b>.02</b> gallons + ( <b>.006</b> gallons/foot X <b>50'</b> ) + <b>.125</b> gallons = <b>.445</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~45'</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~45'</b>		PURGING INITIATED AT: <b>0804</b>		PURGING ENDED AT: <b>0848</b>		TOTAL VOLUME PURGED (gallons): <b>15.25</b>			
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)
0844	14.25	14.25	.25	36.55	6.53	25.02	917	.60	2.42	Clear	None
0846	.5	15.25	.25	36.47	6.53	25.06	916	.64	2.64	Clear	None
0848	.5	15.75	.25	36.49	6.53	25.06	913	.62	3.00	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; 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: <b>H. L. Claytor, Colinas Group, Inc.</b>				SAMPLER SIGNATURES: 				SAMPLING INITIATED AT: <b>0849</b>		SAMPLING ENDED AT: <b>0905</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>~45'</b>				SAMPLE PUMP FLOW RATE (mL per minute):				TUBING MATERIAL CODE: <b>PE</b>			
FIELD DECONTAMINATION: Y N				FIELD FILTERED: Y N FILTER SIZE: _____ µm				DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-9A	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228		ESP		
"	1	PE	250 mL	H2SO4	None	—	Total Ammonia		ESP		
"	1	PE	250 mL	HN03	None	—	Metals		ESP		
"	DCR2	PE	250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS		ESP		

REMARKS:

6 Various Various Various

None

APP2 Perms

ESP

0804: Set dedicated 3/8" PE tubing and SS ESP @ ~45' stop and began purging @ .5 gpm. This well is typically extremely turbid at beginning of purge requiring over purging and a high rate of flow to clear it up.

0823: Reduced flow to .25 gpm, GW is clearing up nicely.

0842: WL 36.80' @ .25 gpm, WL is recovering. All parameters are within range and/or are stable. GW is clear.

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

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

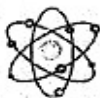
Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.

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



## Page 58 of 66





# 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 #: 1111178

Report Date: 12/07/11

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 - President

Shawn M. Naumann - Laboratory Manager

Date

12-7-11

Page 1 of 5





## Florida Radiochemistry Services, Inc.

### Sample Login

<b>Client:</b>	<b>Advanced Environmental Laboratories, Inc.</b>	<b>Date / Time Received</b>	<b>Work order #</b>
<b>Client Contact:</b>	<b>Myrna Santiago</b>	<b>11/29/11 08:32</b>	<b>1111178</b>
<b>Client P.O.</b>			
<b>Project I.D.</b>	<b>A1108863</b>		

<b>Lab Sample I.D.</b>	<b>Client Sample I.D.</b>	<b>Sample Date/Time</b>	<b>Analysis Requested</b>
1111178-01	A1108863001	11/22/11 10:50	Ga, Ra226, Ra228,
1111178-02	A1108863002	11/22/11 14:18	Ga, Ra226, Ra228,
1111178-03	A1108863003	11/22/11 15:15	Ga, Ra226, Ra228,
1111178-04	A1108863004	11/22/11 12:45	Ga, Ra226, Ra228,
1111178-05	A1108863005	11/22/11 13:30	Ga, Ra226, Ra228,
1111178-06	A1108863006	11/22/11 11:44	Ga, Ra226, Ra228,
1111178-07	A1108863007	11/22/11 16:45	Ga, Ra226, Ra228,
1111178-08	A1108863008	11/22/11 09:48	Ga, Ra226, Ra228,
1111178-09	A1108863009	11/22/11 09:05	Ga, Ra226, Ra228,
1111178-10	A1108863010	11/22/11 07:50	Ga, Ra226, Ra228,





# Florida Radiochemistry Services, Inc.

## Analysis Report

Lab Sample I.D. 1111178-01 1111178-02 1111178-03 1111178-04 1111178-05 1111178-06

Client I.D.	A1108863 001	A1108863 002	A1108863 003	A1108863 004	A1108863 005	A1108863 006
Gross Alpha	5.5	11.7	1.5U	6.2	3.4	2.4
Error +/-	1.1	1.5	1.2	1.1	1.2	1.2
MDL	1.4	1.0	1.5	1.0	1.4	1.2
EPA Method	900.0	900.0	900.0	900.0	900.0	900.0
Prep Date	11/30/11	11/30/11	11/30/11	11/30/11	11/30/11	11/30/11
Prep Time	06:16	06:16	06:16	06:16	06:16	06:16
Analysis Date	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11	12/01/11
Analysis Time	13:00	13:38	06:44	13:38	13:38	06:50
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 226	1.4	1.9	0.4	0.7	0.7	0.2
Error +/-	0.2	0.3	0.2	0.2	0.2	0.1
MDL	0.2	0.2	0.3	0.1	0.2	0.2
EPA Method	903.1	903.1	903.1	903.1	903.1	903.1
Prep Date	11/30/11	11/30/11	11/30/11	11/30/11	11/30/11	11/30/11
Prep Time	08:43	08:43	08:43	08:43	08:43	08:43
Analysis Date	12/06/11	12/06/11	12/06/11	12/06/11	12/06/11	12/06/11
Analysis Time	10:07	10:07	10:07	10:07	10:07	11:10
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 228	0.9U	1.1	0.9U	0.8U	0.9U	0.9U
Error +/-	0.6	0.6	0.6	0.5	0.6	0.6
MDL	0.9	0.9	0.9	0.8	0.9	0.9
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	11/30/11	11/30/11	11/30/11	11/30/11	11/30/11	11/30/11
Prep Time	08:43	08:43	08:43	08:43	08:43	08:43
Analysis Date	12/06/11	12/06/11	12/06/11	12/06/11	12/06/11	12/06/11
Analysis Time	10:31	10:31	10:31	10:31	10:31	10:31
Analyst	SN	SN	SN	SN	SN	SN
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l





## Florida Radiochemistry Services, Inc.

### Analysis Report

Lab Sample I.D. 1111178-07 1111178-08 1111178-09 1111178-10

Client I.D.	A1108863 007	A1108863 008	A1108863 009	A1108863 010
Gross Alpha	1.7U	1.7U	7.3	0.6U
Error +/-	1.1	1.4	1.6	0.4
MDL	1.7	1.7	1.6	0.6
EPA Method	900.0	900.0	900.0	900.0
Prep Date	11/30/11	11/30/11	11/30/11	11/30/11
Prep Time	06:16	06:16	06:16	06:16
Analysis Date	12/01/11	12/01/11	12/01/11	12/01/11
Analysis Time	06:50	06:50	09:48	06:58
Analyst	MJN	MJN	MJN	MJN
Radium 226	0.4	0.3U	2.5	0.2U
Error +/-	0.2	0.2	0.3	0.1
MDL	0.2	0.3	0.2	0.2
EPA Method	903.1	903.1	903.1	903.1
Prep Date	11/30/11	11/30/11	11/30/11	11/30/11
Prep Time	08:43	08:43	08:43	08:43
Analysis Date	12/06/11	12/06/11	12/06/11	12/06/11
Analysis Time	11:10	11:10	11:10	11:10
Analyst	MJN	MJN	MJN	MJN
Radium 228	0.9U	0.8U	0.9U	0.9U
Error +/-	0.6	0.5	0.6	0.5
MDL	0.9	0.8	0.9	0.9
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	11/30/11	11/30/11	11/30/11	11/30/11
Prep Time	08:43	08:43	08:43	08:43
Analysis Date	12/06/11	12/06/11	12/06/11	12/06/11
Analysis Time	10:31	11:32	11:32	11:32
Analyst	SN	SN	SN	SN
Units	pCi/l	pCi/l	pCi/l	pCi/l





# 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	1111178-07	12/01/11	<1.7	10.2	10.7	9.5	105	11.9
Radium 226	1111178-02	12/06/11	1.9	25.2	23.8	24.7	87	3.7
Radium 228	1111178-02	12/06/11	1.1	9.8	8.4	9.3	75	10.2

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













Advanced  
Environmental Laboratories, Inc.

Page 1

LAB I

A1108863

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9610 Pinellas Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327 • E84589  
6915 SW Archer Road • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639 • E82001  
528 S. North Lake Blvd., Ste. 101B • 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 Altamonte Springs, FL 32701		P.O. NUMBER/PROJECT NUMBER: P-453															
PHONE: 407-622-8176		PROJECT LOCATION: Sumterville, FL															
FAX: 407-622-8196		REMARKS/SPECIAL INSTRUCTIONS: 1 - Trip Blank															
CONTACT: Dale Claytor																	
SAMPLED BY: Dale Claytor																	
TURN AROUND TIME: <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> RUSH																	
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	1LP	1LP	1LP	250 mL P	250 mL P	125 mL P	40 mL Vials	40 mL Vials	LABORATORY I.D. NUMBER
MW-10		G	11/22/11	1050	W	12			X	X	X	X	X	X	X	X	01
MW-11		G	11/22/11	1418	W	12			X	X	X	X	X	X	X	X	02
MW-2		G	11/22/11	1515	W	12			X	X	X	X	X	X	X	X	03
MW-4		G	11/22/11	1245	W	12			X	X	X	X	X	X	X	X	04
MW-4A		G	11/22/11	1330	W	12			X	X	X	X	X	X	X	X	05
MW-4B		G	11/22/11	1144	W	12			X	X	X	X	X	X	X	X	06
MW-6A		G	11/22/11	1645	W	12			X	X	X	X	X	X	X	X	07
MW-8		G	11/22/11	0948	W	12			X	X	X	X	X	X	X	X	08
MW-9A		G	11/22/11	0905	W	12			X	X	X	X	X	X	X	X	09
Equip Blank		G	11/22/11	0250	W	12			X	X	X	X	X	X	X	X	10
Trip Blank-1, 2, & 3		-	-	-	W	3			X	X	X	X	X	X	X	X	11

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge  
Received on ice ☒ Yes ☐ No ☒ Temp taken from sample ☐ Temp taken from temp blank ☐ Where required, pH checked  
Form revised 2/8/08

Preservation Code: I = Ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)  
Temperature when received 7 (in degrees celcius)  
Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A  
FOR DRINKING WATER USE:  
(When PWS information not otherwise supplied) PWS ID: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_  
Supplier of Water: \_\_\_\_\_  
Site Address: \_\_\_\_\_

1	11/22/11	1052	Branden Claytor	11/22/11	1052
2					
3					
4					