



Advanced  
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc  
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December 15, 2010

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

RE: Workorder: A1007071 Sumter Co. Landfill

Dear Rick Potts:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, November 30, 2010. 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,

For Myrna Santiago  
msantiago@aellab.com

Enclosures

Report ID: 147963 - 3201138

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## SAMPLE SUMMARY

Workorder: A1007071 Sumter Co. Landfill

Lab ID	Sample ID	Matrix	Date Collected	Date Received
A1007071001	MW -10	Water	11/29/2010 14:10	11/30/2010 15:20
A1007071002	MW -11	Water	11/29/2010 12:05	11/30/2010 15:20
A1007071003	MW -2	Water	11/30/2010 12:35	11/30/2010 15:20
A1007071004	MW -4	Water	11/30/2010 11:30	11/30/2010 15:20
A1007071005	MW -4A	Water	11/29/2010 16:00	11/30/2010 15:20
A1007071006	MW -4B	Water	11/29/2010 15:10	11/30/2010 15:20
A1007071007	MW -6A	Water	11/30/2010 13:55	11/30/2010 15:20
A1007071008	MW -8	Water	11/29/2010 13:05	11/30/2010 15:20
A1007071009	MW -9A	Water	11/30/2010 10:30	11/30/2010 15:20
A1007071010	EQB	Water	11/29/2010 11:10	11/30/2010 15:20
A1007071011	Trip Blank-2	Water	11/22/2010 14:30	11/30/2010 15:20

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071001**  
Sample ID: **MW -10**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/29/10 14:10

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	542	umhos/cm		1			11/29/2010 14:10	A^
Dissolved Oxygen	1.42	mg/L		1			11/29/2010 14:10	A^
Groundwater Elevation	43.28	feet		1			11/29/2010 14:10	A^
Temperature	25.32	°C		1			11/29/2010 14:10	A^
Turbidity	7.81	NTU		1			11/29/2010 14:10	A^
pH	6.93	pH unit		1			11/29/2010 14:10	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	400	ug/L		1	200	61	12/6/2010 17:40	J
Barium	0.014	mg/L		1	0.0020	0.00028	12/6/2010 17:40	J
Beryllium	0.00013	mg/L	U	1	0.00030	0.00013	12/6/2010 17:40	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	12/6/2010 17:40	J
Chromium	5.7	ug/L	V	1	4.0	0.50	12/6/2010 17:40	J
Cobalt	0.00060	mg/L	U	1	0.0040	0.00060	12/6/2010 17:40	J
Iron	590	ug/L		1	200	38	12/6/2010 17:40	J
Manganese	23	ug/L	V	1	1.0	0.24	12/6/2010 17:40	J
Nickel	0.0011	mg/L	U	1	0.0065	0.0011	12/6/2010 17:40	J
Sodium	7.2	mg/L		1	0.20	0.026	12/6/2010 17:40	J
Vanadium	0.010	mg/L		1	0.0015	0.00018	12/6/2010 17:40	J
Zinc	0.0069	mg/L	I	1	0.010	0.0020	12/6/2010 17:40	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.25	ug/L	I	1	0.60	0.073	12/7/2010 18:24	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/4/2010 03:46	J
Copper	0.52	ug/L	I	1	0.70	0.10	12/4/2010 03:46	J
Lead	0.32	ug/L	I	1	0.70	0.076	12/4/2010 03:46	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 03:46	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/7/2010 18:24	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/4/2010 03:46	J
Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.018	ug/L	I	1	0.10	0.014	12/7/2010 13:04	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071001**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -10**

Date Collected: 11/29/10 14:10

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 17:08	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 17:08	J
Tetrachloro-m-xylene (S)	102	%		1	40.3-190		12/8/2010 17:08	
<b>VOLATILES</b>								
Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/2/2010 17:33	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/2/2010 17:33	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/2/2010 17:33	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/2/2010 17:33	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/2/2010 17:33	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 17:33	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/2/2010 17:33	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/2/2010 17:33	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 17:33	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/2/2010 17:33	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/2/2010 17:33	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/2/2010 17:33	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/2/2010 17:33	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/2/2010 17:33	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/2/2010 17:33	J
Acetone	3.5	ug/L	I	1	5.0	3.3	12/2/2010 17:33	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/2/2010 17:33	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 17:33	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/2/2010 17:33	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/2/2010 17:33	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/2/2010 17:33	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 17:33	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/2/2010 17:33	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/2/2010 17:33	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/2/2010 17:33	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/2/2010 17:33	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/2/2010 17:33	J
Chloromethane	0.60	ug/L	U	1	1.0	0.60	12/2/2010 17:33	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 17:33	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071001**  
Sample ID: **MW -10**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/29/10 14:10

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/2/2010 17:33	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/2/2010 17:33	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/2/2010 17:33	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/2/2010 17:33	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/2/2010 17:33	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/2/2010 17:33	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/2/2010 17:33	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 17:33	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 17:33	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/2/2010 17:33	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/2/2010 17:33	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/2/2010 17:33	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/2/2010 17:33	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 17:33	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/2/2010 17:33	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/2/2010 17:33	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/2/2010 17:33	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/2/2010 17:33	J
1,2-Dichloroethane-d4 (S)	100	%		1	80-120		12/2/2010 17:33	
Toluene-d8 (S)	94	%		1	88-110		12/2/2010 17:33	
Bromofluorobenzene (S)	104	%		1	86-115		12/2/2010 17:33	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	7.9	mg/L	I	1	10	0.81	12/1/2010 10:45	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 10:45	A
Nitrate	2.2	mg/L		1	0.20	0.043	12/1/2010 10:45	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.081	mg/L	I	1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	320	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071002**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -11**

Date Collected: 11/29/10 12:05

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	550	umhos/cm		1			11/29/2010 12:05	A^
Dissolved Oxygen	0.74	mg/L		1			11/29/2010 12:05	A^
Groundwater Elevation	43.07	feet		1			11/29/2010 12:05	A^
Temperature	25.82	°C		1			11/29/2010 12:05	A^
Turbidity	14.8	NTU		1			11/29/2010 12:05	A^
pH	6.46	pH unit		1			11/29/2010 12:05	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	670	ug/L		1	200	61	12/6/2010 18:03	J
Barium	0.012	mg/L		1	0.0020	0.00028	12/6/2010 18:03	J
Beryllium	0.00030	mg/L		1	0.00030	0.00013	12/6/2010 18:03	J
Cadmium	2.5	ug/L		1	0.60	0.32	12/6/2010 18:03	J
Chromium	8.9	ug/L	V	1	4.0	0.50	12/6/2010 18:03	J
Cobalt	0.00064	mg/L	I	1	0.0040	0.00060	12/6/2010 18:03	J
Iron	160	ug/L	I	1	200	38	12/6/2010 18:03	J
Manganese	5.9	ug/L	V	1	1.0	0.24	12/6/2010 18:03	J
Nickel	0.0011	mg/L	U	1	0.0065	0.0011	12/6/2010 18:03	J
Sodium	9.5	mg/L		1	0.20	0.026	12/6/2010 18:03	J
Vanadium	0.013	mg/L		1	0.0015	0.00018	12/6/2010 18:03	J
Zinc	0.0088	mg/L	I	1	0.010	0.0020	12/6/2010 18:03	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.57	ug/L	I	1	0.60	0.073	12/7/2010 19:20	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/4/2010 04:24	J
Copper	2.2	ug/L		1	0.70	0.10	12/4/2010 04:24	J
Lead	1.0	ug/L		1	0.70	0.076	12/4/2010 04:24	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 04:24	J
Silver	0.080	ug/L	I	1	0.30	0.059	12/7/2010 19:20	J
Thallium	0.10	ug/L	I	1	0.20	0.067	12/4/2010 04:24	J
Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.12	ug/L		1	0.10	0.014	12/7/2010 13:21	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071002**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -11**

Date Collected: 11/29/10 12:05

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 17:33	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 17:33	J
Tetrachloro-m-xylene (S)	97	%		1	40.3-190		12/8/2010 17:33	

### VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/2/2010 18:19	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/2/2010 18:19	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/2/2010 18:19	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/2/2010 18:19	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/2/2010 18:19	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 18:19	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/2/2010 18:19	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/2/2010 18:19	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 18:19	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/2/2010 18:19	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/2/2010 18:19	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/2/2010 18:19	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/2/2010 18:19	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/2/2010 18:19	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/2/2010 18:19	J
Acetone	51	ug/L		1	5.0	3.3	12/2/2010 18:19	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/2/2010 18:19	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 18:19	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/2/2010 18:19	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/2/2010 18:19	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/2/2010 18:19	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 18:19	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/2/2010 18:19	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/2/2010 18:19	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/2/2010 18:19	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/2/2010 18:19	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/2/2010 18:19	J
Chloromethane	0.60	ug/L	U	1	1.0	0.60	12/2/2010 18:19	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 18:19	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071002**  
Sample ID: **MW -11**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/29/10 12:05

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/2/2010 18:19	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/2/2010 18:19	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/2/2010 18:19	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/2/2010 18:19	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/2/2010 18:19	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/2/2010 18:19	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/2/2010 18:19	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 18:19	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 18:19	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/2/2010 18:19	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/2/2010 18:19	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/2/2010 18:19	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/2/2010 18:19	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 18:19	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/2/2010 18:19	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/2/2010 18:19	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/2/2010 18:19	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/2/2010 18:19	J
1,2-Dichloroethane-d4 (S)	100	%		1	80-120		12/2/2010 18:19	
Toluene-d8 (S)	96	%		1	88-110		12/2/2010 18:19	
Bromofluorobenzene (S)	101	%		1	86-115		12/2/2010 18:19	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	4.1	mg/L	I	1	10	0.81	12/1/2010 09:35	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 09:35	A
Nitrate	3.7	mg/L		1	0.20	0.043	12/1/2010 09:35	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.061	mg/L	I	1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	320	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071003**  
Sample ID: **MW -2**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/30/10 12:35

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	262	umhos/cm		1			11/30/2010 12:35	A^
Dissolved Oxygen	4.61	mg/L		1			11/30/2010 12:35	A^
Groundwater Elevation	43.15	feet		1			11/30/2010 12:35	A^
Temperature	27.62	°C		1			11/30/2010 12:35	A^
Turbidity	0.73	NTU		1			11/30/2010 12:35	A^
pH	6.91	pH unit		1			11/30/2010 12:35	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	12/6/2010 18:31	J
Barium	0.019	mg/L		1	0.0020	0.00028	12/6/2010 18:31	J
Beryllium	0.00013	mg/L	U	1	0.00030	0.00013	12/6/2010 18:31	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	12/6/2010 18:31	J
Chromium	1.6	ug/L	I,V	1	4.0	0.50	12/6/2010 18:31	J
Cobalt	0.00060	mg/L	U	1	0.0040	0.00060	12/6/2010 18:31	J
Iron	38	ug/L	U	1	200	38	12/6/2010 18:31	J
Manganese	1.2	ug/L	V	1	1.0	0.24	12/6/2010 18:31	J
Nickel	0.0011	mg/L	U	1	0.0065	0.0011	12/6/2010 18:31	J
Sodium	3.6	mg/L		1	0.20	0.026	12/6/2010 18:31	J
Vanadium	0.00088	mg/L	I	1	0.0015	0.00018	12/6/2010 18:31	J
Zinc	0.0048	mg/L	I	1	0.010	0.0020	12/6/2010 18:31	J
Analysis Desc: SW846 6020B Analysis, Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	0.37	ug/L	I	1	0.60	0.073	12/7/2010 19:29	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/4/2010 04:52	J
Copper	0.63	ug/L	I	1	0.70	0.10	12/4/2010 04:52	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/4/2010 04:52	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 04:52	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/7/2010 19:29	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/4/2010 04:52	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	12/7/2010 13:23	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071003**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -2**

Date Collected: 11/30/10 12:35

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 17:59	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 17:59	J
Tetrachloro-m-xylene (S)	98	%		1	40.3-190		12/8/2010 17:59	
<b>VOLATILES</b>								
Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/2/2010 19:04	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/2/2010 19:04	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/2/2010 19:04	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/2/2010 19:04	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/2/2010 19:04	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 19:04	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/2/2010 19:04	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/2/2010 19:04	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 19:04	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/2/2010 19:04	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/2/2010 19:04	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/2/2010 19:04	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/2/2010 19:04	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/2/2010 19:04	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/2/2010 19:04	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/2/2010 19:04	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/2/2010 19:04	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 19:04	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/2/2010 19:04	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/2/2010 19:04	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/2/2010 19:04	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 19:04	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/2/2010 19:04	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/2/2010 19:04	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/2/2010 19:04	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/2/2010 19:04	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/2/2010 19:04	J
Chloromethane	0.60	ug/L	U	1	1.0	0.60	12/2/2010 19:04	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 19:04	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071003**  
Sample ID: **MW -2**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/30/10 12:35

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/2/2010 19:04	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/2/2010 19:04	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/2/2010 19:04	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/2/2010 19:04	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/2/2010 19:04	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/2/2010 19:04	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/2/2010 19:04	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 19:04	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 19:04	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/2/2010 19:04	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/2/2010 19:04	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/2/2010 19:04	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/2/2010 19:04	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 19:04	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/2/2010 19:04	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/2/2010 19:04	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/2/2010 19:04	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/2/2010 19:04	J
1,2-Dichloroethane-d4 (S)	99	%		1	80-120		12/2/2010 19:04	
Toluene-d8 (S)	95	%		1	88-110		12/2/2010 19:04	
Bromofluorobenzene (S)	102	%		1	86-115		12/2/2010 19:04	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	6.2	mg/L	I	1	10	0.81	12/1/2010 12:29	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 12:29	A
Nitrate	2.4	mg/L		1	0.20	0.043	12/1/2010 12:29	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.048	mg/L	I	1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	150	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071004**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -4**

Date Collected: 11/30/10 11:30

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	609	umhos/cm		1			11/30/2010 11:30	A^
Dissolved Oxygen	0.54	mg/L		1			11/30/2010 11:30	A^
Groundwater Elevation	42.97	feet		1			11/30/2010 11:30	A^
Temperature	26.78	°C		1			11/30/2010 11:30	A^
Turbidity	6.14	NTU		1			11/30/2010 11:30	A^
pH	7.23	pH unit		1			11/30/2010 11:30	A^

### METALS

Analysis Desc: SW846 6010B Analysis, Water			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Aluminum	230	ug/L		1	200	61	12/6/2010 18:36	J
Barium	0.0098	mg/L		1	0.0020	0.00028	12/6/2010 18:36	J
Beryllium	0.00013	mg/L	U	1	0.00030	0.00013	12/6/2010 18:36	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	12/6/2010 18:36	J
Chromium	2.6	ug/L	I, V	1	4.0	0.50	12/6/2010 18:36	J
Cobalt	0.0011	mg/L	I	1	0.0040	0.00060	12/6/2010 18:36	J
Iron	44	ug/L	I	1	200	38	12/6/2010 18:36	J
Manganese	9.6	ug/L	V	1	1.0	0.24	12/6/2010 18:36	J
Nickel	0.0011	mg/L	U	1	0.0065	0.0011	12/6/2010 18:36	J
Sodium	43	mg/L		1	0.20	0.026	12/6/2010 18:36	J
Vanadium	0.012	mg/L		1	0.0015	0.00018	12/6/2010 18:36	J
Zinc	0.0063	mg/L	I	1	0.010	0.0020	12/6/2010 18:36	J

Analysis Desc: SW846 6020B Analysis, Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	0.28	ug/L	I	1	0.60	0.073	12/7/2010 19:38	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/4/2010 05:01	J
Copper	1.6	ug/L		1	0.70	0.10	12/4/2010 05:01	J
Lead	0.24	ug/L	I	1	0.70	0.076	12/4/2010 05:01	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 05:01	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/7/2010 19:38	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/4/2010 05:01	J

Analysis Desc: SW846 7470A Analysis, Water			Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	12/7/2010 13:25	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071004**  
Sample ID: **MW -4**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/30/10 11:30

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 18:23	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 18:23	J
Tetrachloro-m-xylene (S)	98	%		1	40.3-190		12/8/2010 18:23	
<b>VOLATILES</b>								
Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/2/2010 19:49	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/2/2010 19:49	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/2/2010 19:49	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/2/2010 19:49	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/2/2010 19:49	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 19:49	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/2/2010 19:49	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/2/2010 19:49	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 19:49	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/2/2010 19:49	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/2/2010 19:49	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/2/2010 19:49	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/2/2010 19:49	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/2/2010 19:49	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/2/2010 19:49	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/2/2010 19:49	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/2/2010 19:49	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 19:49	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/2/2010 19:49	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/2/2010 19:49	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/2/2010 19:49	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 19:49	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/2/2010 19:49	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/2/2010 19:49	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/2/2010 19:49	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/2/2010 19:49	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/2/2010 19:49	J
Chloromethane	0.60	ug/L	U	1	1.0	0.60	12/2/2010 19:49	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 19:49	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071004**  
Sample ID: **MW -4**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/30/10 11:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/2/2010 19:49	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/2/2010 19:49	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/2/2010 19:49	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/2/2010 19:49	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/2/2010 19:49	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/2/2010 19:49	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/2/2010 19:49	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 19:49	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 19:49	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/2/2010 19:49	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/2/2010 19:49	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/2/2010 19:49	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/2/2010 19:49	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 19:49	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/2/2010 19:49	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/2/2010 19:49	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/2/2010 19:49	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/2/2010 19:49	J
1,2-Dichloroethane-d4 (S)	98	%		1	80-120		12/2/2010 19:49	
Toluene-d8 (S)	92	%		1	88-110		12/2/2010 19:49	
Bromofluorobenzene (S)	102	%		1	86-115		12/2/2010 19:49	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	21	mg/L		1	10	0.81	12/1/2010 12:46	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 12:46	A
Nitrate	7.6	mg/L		1	0.20	0.043	12/1/2010 12:46	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.053	mg/L	I	1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	350	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071005**  
Sample ID: **MW -4A**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/29/10 16:00

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	683	umhos/cm		1			11/29/2010 16:00	A^
Dissolved Oxygen	0.2	mg/L		1			11/29/2010 16:00	A^
Groundwater Elevation	43.15	feet		1			11/29/2010 16:00	A^
Temperature	26.86	°C		1			11/29/2010 16:00	A^
Turbidity	8.32	NTU		1			11/29/2010 16:00	A^
pH	7.05	pH unit		1			11/29/2010 16:00	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B Analysis, Water			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Aluminum	110	ug/L	I	1	200	61	12/6/2010 18:41	J
Barium	0.014	mg/L		1	0.0020	0.00028	12/6/2010 18:41	J
Beryllium	0.00013	mg/L	U	1	0.00030	0.00013	12/6/2010 18:41	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	12/6/2010 18:41	J
Chromium	1.9	ug/L	I,V	1	4.0	0.50	12/6/2010 18:41	J
Cobalt	0.00070	mg/L	I	1	0.0040	0.00060	12/6/2010 18:41	J
Iron	38	ug/L	U	1	200	38	12/6/2010 18:41	J
Manganese	7.4	ug/L	V	1	1.0	0.24	12/6/2010 18:41	J
Nickel	0.0011	mg/L	U	1	0.0065	0.0011	12/6/2010 18:41	J
Sodium	26	mg/L		1	0.20	0.026	12/6/2010 18:41	J
Vanadium	0.0063	mg/L		1	0.0015	0.00018	12/6/2010 18:41	J
Zinc	0.0060	mg/L	I	1	0.010	0.0020	12/6/2010 18:41	J
Analysis Desc: SW846 6020B Analysis, Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	0.086	ug/L	I	1	0.60	0.073	12/7/2010 19:48	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/4/2010 05:10	J
Copper	0.68	ug/L	I	1	0.70	0.10	12/4/2010 05:10	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/4/2010 05:10	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 05:10	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/7/2010 19:48	J
Thallium	0.19	ug/L	I	1	0.20	0.067	12/4/2010 05:10	J
Analysis Desc: SW846 7470A Analysis, Water			Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	12/7/2010 13:26	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071005**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -4A**

Date Collected: 11/29/10 16:00

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 18:47	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 18:47	J
Tetrachloro-m-xylene (S)	100	%		1	40.3-190		12/8/2010 18:47	

### VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/2/2010 20:35	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/2/2010 20:35	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/2/2010 20:35	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/2/2010 20:35	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/2/2010 20:35	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 20:35	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/2/2010 20:35	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/2/2010 20:35	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 20:35	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/2/2010 20:35	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/2/2010 20:35	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/2/2010 20:35	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/2/2010 20:35	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/2/2010 20:35	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/2/2010 20:35	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/2/2010 20:35	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/2/2010 20:35	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 20:35	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/2/2010 20:35	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/2/2010 20:35	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/2/2010 20:35	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 20:35	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/2/2010 20:35	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/2/2010 20:35	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/2/2010 20:35	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/2/2010 20:35	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/2/2010 20:35	J
Chloromethane	0.68	ug/L	I	1	1.0	0.60	12/2/2010 20:35	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 20:35	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071005**  
Sample ID: **MW -4A**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/29/10 16:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/2/2010 20:35	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/2/2010 20:35	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/2/2010 20:35	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/2/2010 20:35	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/2/2010 20:35	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/2/2010 20:35	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/2/2010 20:35	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 20:35	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 20:35	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/2/2010 20:35	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/2/2010 20:35	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/2/2010 20:35	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/2/2010 20:35	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 20:35	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/2/2010 20:35	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/2/2010 20:35	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/2/2010 20:35	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/2/2010 20:35	J
1,2-Dichloroethane-d4 (S)	99	%		1	80-120		12/2/2010 20:35	
Toluene-d8 (S)	93	%		1	88-110		12/2/2010 20:35	
Bromofluorobenzene (S)	106	%		1	86-115		12/2/2010 20:35	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	26	mg/L		1	10	0.81	12/1/2010 11:19	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 11:19	A
Nitrate	12	mg/L		2	0.40	0.085	12/1/2010 12:12	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.053	mg/L	I	1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	390	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071006**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -4B**

Date Collected: 11/29/10 15:10

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	145	umhos/cm		1			11/29/2010 15:10	A^
Dissolved Oxygen	5.32	mg/L		1			11/29/2010 15:10	A^
Groundwater Elevation	43.18	feet		1			11/29/2010 15:10	A^
Temperature	27.11	°C		1			11/29/2010 15:10	A^
Turbidity	3.53	NTU		1			11/29/2010 15:10	A^
pH	9.17	pH unit		1			11/29/2010 15:10	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	310	ug/L		1	200	61	12/6/2010 18:46	J
Barium	0.0039	mg/L		1	0.0020	0.00028	12/6/2010 18:46	J
Beryllium	0.00013	mg/L	U	1	0.00030	0.00013	12/6/2010 18:46	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	12/6/2010 18:46	J
Chromium	4.8	ug/L	V	1	4.0	0.50	12/6/2010 18:46	J
Cobalt	0.00060	mg/L	U	1	0.0040	0.00060	12/6/2010 18:46	J
Iron	38	ug/L	U	1	200	38	12/6/2010 18:46	J
Manganese	0.44	ug/L	I,V	1	1.0	0.24	12/6/2010 18:46	J
Nickel	0.0011	mg/L	U	1	0.0065	0.0011	12/6/2010 18:46	J
Sodium	9.7	mg/L		1	0.20	0.026	12/6/2010 18:46	J
Vanadium	0.015	mg/L		1	0.0015	0.00018	12/6/2010 18:46	J
Zinc	0.0041	mg/L	I	1	0.010	0.0020	12/6/2010 18:46	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.11	ug/L	I	1	0.60	0.073	12/7/2010 19:57	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/4/2010 05:20	J
Copper	0.24	ug/L	I	1	0.70	0.10	12/4/2010 05:20	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/4/2010 05:20	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 05:20	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/7/2010 19:57	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/4/2010 05:20	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	12/7/2010 13:32	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071006**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -4B**

Date Collected: 11/29/10 15:10

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 19:10	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 19:10	J
Tetrachloro-m-xylene (S)	99	%		1	40.3-190		12/8/2010 19:10	

### VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/2/2010 23:36	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/2/2010 23:36	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/2/2010 23:36	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/2/2010 23:36	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/2/2010 23:36	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 23:36	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/2/2010 23:36	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/2/2010 23:36	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 23:36	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/2/2010 23:36	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/2/2010 23:36	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/2/2010 23:36	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/2/2010 23:36	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/2/2010 23:36	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/2/2010 23:36	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/2/2010 23:36	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/2/2010 23:36	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 23:36	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/2/2010 23:36	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/2/2010 23:36	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/2/2010 23:36	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 23:36	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/2/2010 23:36	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/2/2010 23:36	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/2/2010 23:36	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/2/2010 23:36	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/2/2010 23:36	J
Chloromethane	0.60	ug/L	U	1	1.0	0.60	12/2/2010 23:36	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 23:36	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071006**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -4B**

Date Collected: 11/29/10 15:10

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/2/2010 23:36	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/2/2010 23:36	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/2/2010 23:36	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/2/2010 23:36	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/2/2010 23:36	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/2/2010 23:36	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/2/2010 23:36	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 23:36	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 23:36	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/2/2010 23:36	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/2/2010 23:36	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/2/2010 23:36	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/2/2010 23:36	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 23:36	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/2/2010 23:36	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/2/2010 23:36	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/2/2010 23:36	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/2/2010 23:36	J
1,2-Dichloroethane-d4 (S)	98	%		1	80-120		12/2/2010 23:36	
Toluene-d8 (S)	93	%		1	88-110		12/2/2010 23:36	
Bromofluorobenzene (S)	101	%		1	86-115		12/2/2010 23:36	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	5.2	mg/L	I	1	10	0.81	12/1/2010 11:02	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 11:02	A
Nitrate	3.9	mg/L		1	0.20	0.043	12/1/2010 11:02	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.28	mg/L		1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	90	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071007**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -6A**

Date Collected: 11/30/10 13:55

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	259	umhos/cm		1			11/30/2010 13:55	A^
Dissolved Oxygen	7.05	mg/L		1			11/30/2010 13:55	A^
Groundwater Elevation	43.38	feet		1			11/30/2010 13:55	A^
Temperature	24.9	°C		1			11/30/2010 13:55	A^
Turbidity	9.56	NTU		1			11/30/2010 13:55	A^
pH	7.76	pH unit		1			11/30/2010 13:55	A^

### METALS

Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	78	ug/L	I	1	200	61	12/6/2010 18:50	J
Barium	0.0029	mg/L		1	0.0020	0.00028	12/6/2010 18:50	J
Beryllium	0.00013	mg/L	U	1	0.00030	0.00013	12/6/2010 18:50	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	12/6/2010 18:50	J
Chromium	8.7	ug/L	V	1	4.0	0.50	12/6/2010 18:50	J
Cobalt	0.00060	mg/L	U	1	0.0040	0.00060	12/6/2010 18:50	J
Iron	38	ug/L	U	1	200	38	12/6/2010 18:50	J
Manganese	1.3	ug/L	V	1	1.0	0.24	12/6/2010 18:50	J
Nickel	0.0011	mg/L	U	1	0.0065	0.0011	12/6/2010 18:50	J
Sodium	3.3	mg/L		1	0.20	0.026	12/6/2010 18:50	J
Vanadium	0.0084	mg/L		1	0.0015	0.00018	12/6/2010 18:50	J
Zinc	0.0046	mg/L	I	1	0.010	0.0020	12/6/2010 18:50	J

Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.078	ug/L	I	1	0.60	0.073	12/7/2010 20:06	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/4/2010 05:29	J
Copper	0.18	ug/L	I	1	0.70	0.10	12/4/2010 05:29	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/4/2010 05:29	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 05:29	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/7/2010 20:06	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/4/2010 05:29	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	12/7/2010 13:33	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071007**  
Sample ID: **MW -6A**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/30/10 13:55

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 19:36	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 19:36	J
Tetrachloro-m-xylene (S)	101	%		1	40.3-190		12/8/2010 19:36	
<b>VOLATILES</b>								
Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/3/2010 00:21	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/3/2010 00:21	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/3/2010 00:21	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/3/2010 00:21	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/3/2010 00:21	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/3/2010 00:21	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/3/2010 00:21	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/3/2010 00:21	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/3/2010 00:21	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/3/2010 00:21	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/3/2010 00:21	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/3/2010 00:21	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/3/2010 00:21	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/3/2010 00:21	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/3/2010 00:21	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/3/2010 00:21	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/3/2010 00:21	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/3/2010 00:21	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/3/2010 00:21	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/3/2010 00:21	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/3/2010 00:21	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/3/2010 00:21	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/3/2010 00:21	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/3/2010 00:21	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/3/2010 00:21	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/3/2010 00:21	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/3/2010 00:21	J
Chloromethane	0.60	ug/L	U	1	1.0	0.60	12/3/2010 00:21	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/3/2010 00:21	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071007**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -6A**

Date Collected: 11/30/10 13:55

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/3/2010 00:21	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/3/2010 00:21	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/3/2010 00:21	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/3/2010 00:21	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/3/2010 00:21	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/3/2010 00:21	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/3/2010 00:21	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/3/2010 00:21	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/3/2010 00:21	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/3/2010 00:21	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/3/2010 00:21	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/3/2010 00:21	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/3/2010 00:21	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/3/2010 00:21	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/3/2010 00:21	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/3/2010 00:21	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/3/2010 00:21	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/3/2010 00:21	J
1,2-Dichloroethane-d4 (S)	101	%		1	80-120		12/3/2010 00:21	
Toluene-d8 (S)	96	%		1	88-110		12/3/2010 00:21	
Bromofluorobenzene (S)	99	%		1	86-115		12/3/2010 00:21	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	8.9	mg/L	I	1	10	0.81	12/1/2010 13:04	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 13:04	A
Nitrate	6.4	mg/L		1	0.20	0.043	12/1/2010 13:04	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.049	mg/L	I	1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	170	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071008**  
Sample ID: **MW -8**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/29/10 13:05

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	377	umhos/cm		1			11/29/2010 13:05	A^
Dissolved Oxygen	3.77	mg/L		1			11/29/2010 13:05	A^
Groundwater Elevation	44.39	feet		1			11/29/2010 13:05	A^
Temperature	24.55	°C		1			11/29/2010 13:05	A^
Turbidity	7.24	NTU		1			11/29/2010 13:05	A^
pH	7.22	pH unit		1			11/29/2010 13:05	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	12/6/2010 18:55	J
Barium	0.0045	mg/L		1	0.0020	0.00028	12/6/2010 18:55	J
Beryllium	0.00013	mg/L	U	1	0.00030	0.00013	12/6/2010 18:55	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	12/6/2010 18:55	J
Chromium	4.2	ug/L	V	1	4.0	0.50	12/6/2010 18:55	J
Cobalt	0.00060	mg/L	U	1	0.0040	0.00060	12/6/2010 18:55	J
Iron	170	ug/L	I	1	200	38	12/6/2010 18:55	J
Manganese	4.2	ug/L	V	1	1.0	0.24	12/6/2010 18:55	J
Nickel	0.0011	mg/L	U	1	0.0065	0.0011	12/6/2010 18:55	J
Sodium	5.7	mg/L		1	0.20	0.026	12/6/2010 18:55	J
Vanadium	0.0094	mg/L		1	0.0015	0.00018	12/6/2010 18:55	J
Zinc	0.0074	mg/L	I	1	0.010	0.0020	12/6/2010 18:55	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.076	ug/L	I	1	0.60	0.073	12/7/2010 20:15	J
Arsenic	0.36	ug/L	U	1	1.0	0.36	12/4/2010 05:39	J
Copper	0.24	ug/L	I	1	0.70	0.10	12/4/2010 05:39	J
Lead	0.076	ug/L	U	1	0.70	0.076	12/4/2010 05:39	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 05:39	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/7/2010 20:15	J
Thallium	0.067	ug/L	U	1	0.20	0.067	12/4/2010 05:39	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	12/7/2010 13:35	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071008**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -8**

Date Collected: 11/29/10 13:05

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 20:01	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 20:01	J
Tetrachloro-m-xylene (S)	99	%		1	40.3-190		12/8/2010 20:01	
<b>VOLATILES</b>								
Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/3/2010 01:06	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/3/2010 01:06	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/3/2010 01:06	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/3/2010 01:06	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/3/2010 01:06	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/3/2010 01:06	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/3/2010 01:06	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/3/2010 01:06	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/3/2010 01:06	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/3/2010 01:06	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/3/2010 01:06	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/3/2010 01:06	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/3/2010 01:06	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/3/2010 01:06	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/3/2010 01:06	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/3/2010 01:06	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/3/2010 01:06	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/3/2010 01:06	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/3/2010 01:06	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/3/2010 01:06	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/3/2010 01:06	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/3/2010 01:06	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/3/2010 01:06	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/3/2010 01:06	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/3/2010 01:06	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/3/2010 01:06	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/3/2010 01:06	J
Chloromethane	0.75	ug/L	I	1	1.0	0.60	12/3/2010 01:06	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/3/2010 01:06	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071008**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -8**

Date Collected: 11/29/10 13:05

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/3/2010 01:06	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/3/2010 01:06	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/3/2010 01:06	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/3/2010 01:06	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/3/2010 01:06	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/3/2010 01:06	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/3/2010 01:06	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/3/2010 01:06	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/3/2010 01:06	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/3/2010 01:06	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/3/2010 01:06	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/3/2010 01:06	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/3/2010 01:06	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/3/2010 01:06	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/3/2010 01:06	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/3/2010 01:06	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/3/2010 01:06	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/3/2010 01:06	J
1,2-Dichloroethane-d4 (S)	99	%		1	80-120		12/3/2010 01:06	
Toluene-d8 (S)	94	%		1	88-110		12/3/2010 01:06	
Bromofluorobenzene (S)	101	%		1	86-115		12/3/2010 01:06	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	9.5	mg/L	I	1	10	0.81	12/1/2010 10:27	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 10:27	A
Nitrate	2.2	mg/L		1	0.20	0.043	12/1/2010 10:27	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.059	mg/L	I	1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	220	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071009**  
Sample ID: **MW -9A**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/30/10 10:30

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	905	umhos/cm		1			11/30/2010 10:30	A^
Dissolved Oxygen	0.32	mg/L		1			11/30/2010 10:30	A^
Groundwater Elevation	42.21	feet		1			11/30/2010 10:30	A^
Temperature	25.26	°C		1			11/30/2010 10:30	A^
Turbidity	10.69	NTU		1			11/30/2010 10:30	A^
pH	6.42	pH unit		1			11/30/2010 10:30	A^
<b>METALS</b>								
Analysis Desc: SW846 6010B Analysis,Water			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Aluminum	280	ug/L		1	200	61	12/6/2010 19:00	J
Barium	0.013	mg/L		1	0.0020	0.00028	12/6/2010 19:00	J
Beryllium	0.00013	mg/L	U	1	0.00030	0.00013	12/6/2010 19:00	J
Cadmium	1.8	ug/L		1	0.60	0.32	12/6/2010 19:00	J
Chromium	2.9	ug/L	I,V	1	4.0	0.50	12/6/2010 19:00	J
Cobalt	0.019	mg/L		1	0.0040	0.00060	12/6/2010 19:00	J
Iron	830	ug/L		1	200	38	12/6/2010 19:00	J
Manganese	87	ug/L	V	1	1.0	0.24	12/6/2010 19:00	J
Nickel	0.0053	mg/L	I	1	0.0065	0.0011	12/6/2010 19:00	J
Sodium	20	mg/L		1	0.20	0.026	12/6/2010 19:00	J
Vanadium	0.0031	mg/L		1	0.0015	0.00018	12/6/2010 19:00	J
Zinc	0.011	mg/L		1	0.010	0.0020	12/6/2010 19:00	J
Analysis Desc: SW846 6020B Analysis,Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	0.10	ug/L	I	1	0.60	0.073	12/7/2010 20:25	J
Arsenic	0.67	ug/L	I	1	1.0	0.36	12/4/2010 05:48	J
Copper	2.5	ug/L		1	0.70	0.10	12/4/2010 05:48	J
Lead	0.38	ug/L	I	1	0.70	0.076	12/4/2010 05:48	J
Selenium	2.2	ug/L	U	1	5.0	2.2	12/4/2010 05:48	J
Silver	0.059	ug/L	U	1	0.30	0.059	12/7/2010 20:25	J
Thallium	0.14	ug/L	I	1	0.20	0.067	12/4/2010 05:48	J
Analysis Desc: SW846 7470A Analysis,Water			Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A					
Mercury	0.71	ug/L		1	0.10	0.014	12/7/2010 13:37	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071009**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **MW -9A**

Date Collected: 11/30/10 10:30

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	0.0082	ug/L	U	1	0.020	0.0082	12/8/2010 20:28	J
Ethylene Dibromide (EDB)	0.0091	ug/L	U	1	0.020	0.0091	12/8/2010 20:28	J
Tetrachloro-m-xylene (S)	98	%		1	40.3-190		12/8/2010 20:28	

### VOLATILES

Analysis Desc: 8260C Analysis, Water			Preparation Method: SW-846 5030B					
			Analytical Method: SW-846 8260B					
1,1,1,2-Tetrachloroethane	0.45	ug/L	U	1	1.0	0.45	12/3/2010 01:51	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/3/2010 01:51	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/3/2010 01:51	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/3/2010 01:51	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/3/2010 01:51	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/3/2010 01:51	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/3/2010 01:51	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/3/2010 01:51	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/3/2010 01:51	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/3/2010 01:51	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/3/2010 01:51	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/3/2010 01:51	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/3/2010 01:51	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/3/2010 01:51	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/3/2010 01:51	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/3/2010 01:51	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/3/2010 01:51	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/3/2010 01:51	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/3/2010 01:51	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/3/2010 01:51	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/3/2010 01:51	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/3/2010 01:51	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/3/2010 01:51	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/3/2010 01:51	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/3/2010 01:51	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/3/2010 01:51	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/3/2010 01:51	J
Chloromethane	0.76	ug/L	I	1	1.0	0.60	12/3/2010 01:51	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/3/2010 01:51	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071009**  
Sample ID: **MW -9A**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/30/10 10:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/3/2010 01:51	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/3/2010 01:51	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/3/2010 01:51	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/3/2010 01:51	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/3/2010 01:51	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/3/2010 01:51	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/3/2010 01:51	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/3/2010 01:51	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/3/2010 01:51	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/3/2010 01:51	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/3/2010 01:51	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/3/2010 01:51	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/3/2010 01:51	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/3/2010 01:51	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/3/2010 01:51	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/3/2010 01:51	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/3/2010 01:51	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/3/2010 01:51	J
1,2-Dichloroethane-d4 (S)	100	%		1	80-120		12/3/2010 01:51	
Toluene-d8 (S)	92	%		1	88-110		12/3/2010 01:51	
Bromofluorobenzene (S)	104	%		1	86-115		12/3/2010 01:51	

### WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	22	mg/L		1	10	0.81	12/1/2010 13:21	A
Fluoride	0.15	mg/L	U	1	0.20	0.15	12/1/2010 13:21	A
Nitrate	0.32	mg/L		1	0.20	0.043	12/1/2010 13:21	A
Analysis Desc: Ammonia,E350.1,Water		Analytical Method: EPA 350.1						
Ammonia (N)	0.54	mg/L		1	0.10	0.025	12/2/2010 11:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	520	mg/L		1	10	10	12/2/2010 09:06	T

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071010**  
Sample ID: **EQB**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/29/10 11:10

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	0.45	ug/L	U	1	1.0	0.45	12/2/2010 15:17	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/2/2010 15:17	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/2/2010 15:17	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/2/2010 15:17	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/2/2010 15:17	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 15:17	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/2/2010 15:17	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/2/2010 15:17	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 15:17	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/2/2010 15:17	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/2/2010 15:17	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/2/2010 15:17	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/2/2010 15:17	J
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/2/2010 15:17	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/2/2010 15:17	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/2/2010 15:17	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/2/2010 15:17	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 15:17	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/2/2010 15:17	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/2/2010 15:17	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/2/2010 15:17	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 15:17	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/2/2010 15:17	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/2/2010 15:17	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/2/2010 15:17	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/2/2010 15:17	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/2/2010 15:17	J
Chloromethane	1.3	ug/L		1	1.0	0.60	12/2/2010 15:17	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 15:17	J
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/2/2010 15:17	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/2/2010 15:17	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/2/2010 15:17	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/2/2010 15:17	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/2/2010 15:17	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/2/2010 15:17	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/2/2010 15:17	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071010**  
Sample ID: **EQB**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/29/10 11:10

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 15:17	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 15:17	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/2/2010 15:17	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/2/2010 15:17	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/2/2010 15:17	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/2/2010 15:17	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 15:17	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/2/2010 15:17	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/2/2010 15:17	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/2/2010 15:17	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/2/2010 15:17	J
1,2-Dichloroethane-d4 (S)	98	%		1	80-120		12/2/2010 15:17	
Toluene-d8 (S)	96	%		1	88-110		12/2/2010 15:17	
Bromofluorobenzene (S)	102	%		1	86-115		12/2/2010 15:17	

Lab ID: **A1007071011**  
Sample ID: **Trip Blank-2**

Date Received: 11/30/10 15:20 Matrix: Water  
Date Collected: 11/22/10 14:30

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	0.45	ug/L	U	1	1.0	0.45	12/2/2010 16:03	J
1,1,1-Trichloroethane	0.39	ug/L	U	1	1.0	0.39	12/2/2010 16:03	J
1,1,2,2-Tetrachloroethane	0.57	ug/L	U	1	1.0	0.57	12/2/2010 16:03	J
1,1,2-Trichloroethane	0.32	ug/L	U	1	1.0	0.32	12/2/2010 16:03	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	12/2/2010 16:03	J
1,1-Dichloroethylene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 16:03	J
1,2,3-Trichloropropane	0.66	ug/L	U	1	1.0	0.66	12/2/2010 16:03	J
1,2-Dibromo-3-Chloropropane	3.1	ug/L	U	1	5.0	3.1	12/2/2010 16:03	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 16:03	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	12/2/2010 16:03	J
1,2-Dichloropropane	0.43	ug/L	U	1	1.0	0.43	12/2/2010 16:03	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	12/2/2010 16:03	J
2-Butanone (MEK)	0.71	ug/L	U	1	5.0	0.71	12/2/2010 16:03	J

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## ANALYTICAL RESULTS

Workorder: A1007071 Sumter Co. Landfill

Lab ID: **A1007071011**

Date Received: 11/30/10 15:20 Matrix: Water

Sample ID: **Trip Blank-2**

Date Collected: 11/22/10 14:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
2-Hexanone	0.44	ug/L	U	1	5.0	0.44	12/2/2010 16:03	J
4-Methyl-2-pentanone (MIBK)	0.51	ug/L	U	1	5.0	0.51	12/2/2010 16:03	J
Acetone	3.3	ug/L	U	1	5.0	3.3	12/2/2010 16:03	J
Acrylonitrile	1.6	ug/L	U	1	5.0	1.6	12/2/2010 16:03	J
Benzene	0.30	ug/L	U	1	1.0	0.30	12/2/2010 16:03	J
Bromochloromethane	0.37	ug/L	U	1	1.0	0.37	12/2/2010 16:03	J
Bromodichloromethane	0.34	ug/L	U	1	1.0	0.34	12/2/2010 16:03	J
Bromoform	0.56	ug/L	U	1	5.0	0.56	12/2/2010 16:03	J
Bromomethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 16:03	J
Carbon Disulfide	0.34	ug/L	U	1	1.0	0.34	12/2/2010 16:03	J
Carbon Tetrachloride	0.29	ug/L	U	1	1.0	0.29	12/2/2010 16:03	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	12/2/2010 16:03	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	12/2/2010 16:03	J
Chloroform	0.36	ug/L	U	1	1.0	0.36	12/2/2010 16:03	J
Chloromethane	1.1	ug/L	U	1	1.0	0.60	12/2/2010 16:03	J
Dibromochloromethane	0.30	ug/L	U	1	1.0	0.30	12/2/2010 16:03	J
Dibromomethane	0.44	ug/L	U	1	1.0	0.44	12/2/2010 16:03	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	12/2/2010 16:03	J
Ethylene Dibromide (EDB)	0.38	ug/L	U	1	1.0	0.38	12/2/2010 16:03	J
Iodomethane (Methyl Iodide)	0.34	ug/L	U	1	5.0	0.34	12/2/2010 16:03	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	12/2/2010 16:03	J
Styrene	0.21	ug/L	U	1	1.0	0.21	12/2/2010 16:03	J
Tetrachloroethylene (PCE)	0.82	ug/L	U	1	1.0	0.82	12/2/2010 16:03	J
Toluene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 16:03	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	12/2/2010 16:03	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	12/2/2010 16:03	J
Vinyl Acetate	0.35	ug/L	U	1	1.0	0.35	12/2/2010 16:03	J
Vinyl Chloride	0.40	ug/L	U	1	1.0	0.40	12/2/2010 16:03	J
Xylene (Total)	0.63	ug/L	U	1	3.0	0.63	12/2/2010 16:03	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	12/2/2010 16:03	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	12/2/2010 16:03	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	12/2/2010 16:03	J
trans-1,3-Dichloropropylene	0.33	ug/L	U	1	1.0	0.33	12/2/2010 16:03	J
trans-1,4-Dichloro-2-butene	1.8	ug/L	U	1	5.0	1.8	12/2/2010 16:03	J
1,2-Dichloroethane-d4 (S)	100	%		1	80-120		12/2/2010 16:03	
Toluene-d8 (S)	96	%		1	88-110		12/2/2010 16:03	
Bromofluorobenzene (S)	103	%		1	86-115		12/2/2010 16:03	

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: A1007071 Sumter Co. Landfill

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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

### 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: A1007071 Sumter Co. Landfill

QC Batch: WCAI/33931 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Prepared:  
Associated Lab Samples: A1007071001, A1007071002, A1007071003, A1007071004, A1007071005, A1007071006, A1007071007,

METHOD BLANK: 644411

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

LABORATORY CONTROL SAMPLE: 644412

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

SAMPLE DUPLICATE: 644413 Original: A1007071001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	320	320	1	

QC Batch: WCAI/33947 Analysis Method: EPA 350.1  
QC Batch Method: EPA 350.1 Prepared:  
Associated Lab Samples: A1007071001, A1007071002, A1007071003, A1007071004, A1007071005, A1007071006, A1007071007,

METHOD BLANK: 644892

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

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

LABORATORY CONTROL SAMPLE: 644893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	1	1.1	106		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 644894 644895 Original: T1016476002

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	0.058	1	1.0	1.0	98	96		2		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 644896 644897 Original: A1007071008

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	0.059	1	0.96	0.95	90	89		1		

QC Batch: WCAa/18205

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Prepared:

Associated Lab Samples: A1007071001, A1007071002, A1007071003, A1007071004, A1007071005, A1007071006, A1007071007,

METHOD BLANK: 645078

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Fluoride	mg/L	0.15	0.15 U	
Chloride	mg/L	0.81	0.81 U	
Nitrate	mg/L	0.043	0.043 U	

LABORATORY CONTROL SAMPLE: 645079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Fluoride	mg/L	3	2.8	92	90-110	

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

LABORATORY CONTROL SAMPLE: 645079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	30	27	90	90-110	
Nitrate	mg/L	3	2.7	90	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645080 645081 Original: A1007071002

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	0.11	3	3.0	3.0	100	98	90-110	2	10	
Chloride	mg/L	4.1	10	0.81	0.81U	-41	-41	90-110	0	10	
Nitrate	mg/L	3.7	3	6.6	6.6	99	98	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645082 645083 Original: A1007071005

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	3	0.15	0.15U	0	0	90-110	0	10	
Chloride	mg/L	26	10	36	36	102	102	90-110	0	10	
Nitrate	mg/L	0	3	0.043	0.043U	0	0	90-110	0	10	

QC Batch: MSVj/20136

Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B

Prepared: 12/02/2010 10:00

Associated Lab Samples: A1007071001, A1007071002, A1007071003, A1007071004, A1007071005, A1007071006, A1007071007,

METHOD BLANK: 645467

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.60	0.60 U	
Vinyl Chloride	ug/L	0.40	0.40 U	
Bromomethane	ug/L	0.30	0.30 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	0.30	0.30 U	
Iodomethane (Methyl Iodide)	ug/L	0.34	0.34 U	
Acrylonitrile	ug/L	1.6	1.6 U	

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

METHOD BLANK: 645467

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Methylene Chloride	ug/L	0.95	0.32	I
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	0.71	0.71	U
cis-1,2-Dichloroethylene	ug/L	0.28	0.28	U
Bromochloromethane	ug/L	0.37	0.37	U
Chloroform	ug/L	0.36	0.36	U
1,2-Dichloroethane	ug/L	0.29	0.29	U
1,1,1-Trichloroethane	ug/L	0.39	0.39	U
Carbon Tetrachloride	ug/L	0.29	0.29	U
Benzene	ug/L	0.30	0.30	U
Dibromomethane	ug/L	0.44	0.44	U
1,2-Dichloropropane	ug/L	0.43	0.43	U
Trichloroethene	ug/L	0.36	0.36	U
Bromodichloromethane	ug/L	0.34	0.34	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	0.33	0.33	U
1,1,2-Trichloroethane	ug/L	0.32	0.32	U
Toluene	ug/L	0.28	0.28	U
2-Hexanone	ug/L	0.44	0.44	U
Dibromochloromethane	ug/L	0.30	0.30	U
Ethylene Dibromide (EDB)	ug/L	0.38	0.38	U
Tetrachloroethylene (PCE)	ug/L	0.82	0.82	U
1,1,1,2-Tetrachloroethane	ug/L	0.45	0.45	U
Chlorobenzene	ug/L	0.23	0.23	U
Ethylbenzene	ug/L	0.17	0.17	U
Bromoform	ug/L	0.56	0.56	U
Styrene	ug/L	0.21	0.21	U
1,1,2,2-Tetrachloroethane	ug/L	0.57	0.57	U
1,2,3-Trichloropropane	ug/L	0.66	0.66	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	3.1	3.1	U
trans-1,4-Dichloro-2-butene	ug/L	1.8	1.8	U
Xylene (Total)	ug/L	0.63	0.63	U
1,2-Dichloroethane-d4 (S)	%	98	80-120	
Toluene-d8 (S)	%	96	88-110	
Bromofluorobenzene (S)	%	102	86-115	

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

LABORATORY CONTROL SAMPLE: 645468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	18	90	70-130	
1,1-Dichloroethylene	ug/L	20	22	108	70-130	
cis-1,2-Dichloroethylene	ug/L	20	21	106	70-130	
Chloroform	ug/L	20	22	109	70-130	
Benzene	ug/L	20	23	113	70-130	
Trichloroethene	ug/L	20	23	117	70-130	
Toluene	ug/L	20	21	105	70-130	
Tetrachloroethylene (PCE)	ug/L	20	20	102	70-130	
Chlorobenzene	ug/L	20	21	106	70-130	
Ethylbenzene	ug/L	20	23	113	70-130	
1,2-Dichlorobenzene	ug/L	20	21	103	70-130	
Xylene (Total)	ug/L	60	67	112	70-130	
1,2-Dichloroethane-d4 (S)	%			95	80-120	
Toluene-d8 (S)	%			92	88-110	
Bromofluorobenzene (S)	%			96	86-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645471 645472 Original: A1007071001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
VOLATILES											
Vinyl Chloride	ug/L	0	20	17	18	86	88	70-130	2	30	
1,1-Dichloroethylene	ug/L	0	20	20	21	102	104	70-130	2	30	
cis-1,2-Dichloroethylene	ug/L	0	20	21	22	106	109	70-130	2	30	
Chloroform	ug/L	0	20	21	22	104	108	70-130	4	30	
Benzene	ug/L	0	20	21	22	104	110	70-130	5	30	
Trichloroethene	ug/L	0	20	22	22	108	111	70-130	3	30	
Toluene	ug/L	0	20	20	21	102	103	70-130	1	30	
Tetrachloroethylene (PCE)	ug/L	0	20	20	19	98	96	70-130	2	30	
Chlorobenzene	ug/L	0	20	21	21	103	107	70-130	4	30	
Ethylbenzene	ug/L	0	20	22	22	109	111	70-130	2	30	
1,2-Dichlorobenzene	ug/L	0	20	20	20	102	101	70-130	1	30	
Xylene (Total)	ug/L	0	60	65	66	108	110	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%	100				97	94	80-120	2		
Toluene-d8 (S)	%	94				93	91	88-110	3		
Bromofluorobenzene (S)	%	104				96	94	86-115	2		

QC Batch: DGMJ/22024  
QC Batch Method: SW-846 3010A

Analysis Method: SW-846 6020  
Prepared: 12/03/2010 08:15

Report ID: 147963 - 3201138

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

Associated Lab Samples: A1007071001, A1007071002, A1007071003, A1007071004, A1007071005, A1007071006, A1007071007,

METHOD BLANK: 645511

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

LABORATORY CONTROL SAMPLE & LCSD: 645512 645513

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	100	99	101	99	85-115	2	20	
Arsenic	ug/L	100	100	100	103	101	85-115	2	20	
Selenium	ug/L	100	110	110	108	107	85-115	1	20	
Thallium	ug/L	100	100	98	100	98	85-115	2	20	
Lead	ug/L	100	100	100	102	100	85-115	2	20	

LABORATORY CONTROL SAMPLE & LCSD: 645512 645513

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>										
Silver	ug/L	100	110	110	114	112	85-115	1	20	
Antimony	ug/L	100	100	100	103	102	85-115	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645514 645515 Original: A1007071001

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

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645514 645515 Original: A1007071001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Copper	ug/L	0.52	100	95	94	95	94	70-130	1	20	
Arsenic	ug/L	0.25	100	100	100	101	100	70-130	1	20	
Selenium	ug/L	1.1	100	100	100	103	101	70-130	2	20	
Thallium	ug/L	0.029	100	100	100	102	102	70-130	0	20	
Lead	ug/L	0.32	100	100	100	104	104	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645514 645515 Original: A1007071001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Silver	ug/L	0.028	100	110	110	109	107	70-130	2	20	
Antimony	ug/L	0.25	100	100	100	102	100	70-130	2	20	

QC Batch: DGMj/22025

Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A

Prepared: 12/03/2010 08:15

Associated Lab Samples: A1007071001, A1007071002, A1007071003, A1007071004, A1007071005, A1007071006, A1007071007,

METHOD BLANK: 645517

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Aluminum	ug/L	61	61	U
Barium	mg/L	0.00028	0.00028	U
Beryllium	mg/L	0.00013	0.00013	U
Cadmium	ug/L	0.32	0.32	U
Cobalt	mg/L	0.00060	0.00060	U
Iron	ug/L	38	38	U
Manganese	ug/L	0.26	0.24	I
Sodium	mg/L	0.026	0.026	U
Nickel	mg/L	0.0011	0.0011	U
Vanadium	mg/L	0.00018	0.00018	U
Zinc	mg/L	0.0020	0.0020	U
Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Chromium	ug/L	0.50	0.50	I

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

LABORATORY CONTROL SAMPLE & LCSD: 645518 645519									
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	25000	25000	100	99	80-120	1	20
Barium	mg/L	0.4	0.39	0.39	98	97	80-120	1	20
Beryllium	mg/L	0.4	0.41	0.41	103	103	80-120	0	20
Cadmium	ug/L	400	390	390	98	97	80-120	1	20
Cobalt	mg/L	0.4	0.38	0.38	95	94	80-120	2	20
Chromium	ug/L	400	390	390	98	97	80-120	1	20
Iron	ug/L	25000	25000	25000	99	98	80-120	0	20
Manganese	ug/L	400	390	380	97	96	80-120	1	20
Sodium	mg/L	50	49	49	97	98	80-120	1	20
Nickel	mg/L	0.4	0.35	0.34	87	86	80-120	1	20
Vanadium	mg/L	0.4	0.42	0.41	104	103	80-120	1	20
Zinc	mg/L	0.4	0.37	0.37	93	92	80-120	1	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 645520 645521 Original: A1007071001									
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD Qualifiers
<b>METALS</b>									
Aluminum	ug/L	400	25000	26000	27000	103	104	75-125	1 20
Barium	mg/L	0.014	0.4	0.41	0.41	98	99	75-125	1 20
Beryllium	mg/L	6.1e-005	0.4	0.42	0.43	106	107	75-125	2 20
Cadmium	ug/L	0.31	400	400	400	99	100	75-125	2 20
Cobalt	mg/L	0.00058	0.4	0.38	0.39	95	97	75-125	2 20
Chromium	ug/L	5.7	400	400	400	98	98	75-125	0 20
Iron	ug/L	590	25000	26000	27000	102	103	75-125	2 20
Manganese	ug/L	23	400	410	420	98	99	75-125	1 20
Sodium	mg/L	7.2	50	57	58	99	100	75-125	1 20
Nickel	mg/L	-0.0015	0.4	0.35	0.36	88	89	75-125	1 20
Vanadium	mg/L	0.01	0.4	0.43	0.43	105	105	75-125	0 20
Zinc	mg/L	0.0069	0.4	0.39	0.39	95	96	75-125	1 20

QC Batch: DGMj/22038

Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A

Prepared: 12/07/2010 09:30

Associated Lab Samples: A1007071001, A1007071002, A1007071003, A1007071004, A1007071005, A1007071006, A1007071007,

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

METHOD BLANK: 646780

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

LABORATORY CONTROL SAMPLE & LCSD: 646781 646782

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
METALS									
Mercury	ug/L	2	2.1	2.0	103	102	80-120	1	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 646783 646784 Original: A1007071001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
METALS										
Mercury	ug/L	0.018	2	1.9	2.0	96	99	80-120	4	20

QC Batch: EXTj/20611

Analysis Method: SW-846 8011

QC Batch Method: SW-846 8011

Prepared: 12/08/2010 10:10

Associated Lab Samples: A1007071001, A1007071002, A1007071003, A1007071004, A1007071005, A1007071006, A1007071007,

METHOD BLANK: 648299

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
Ethylene Dibromide (EDB)	ug/L	0.0091	0.0091 U
1,2-Dibromo-3-Chloropropane	ug/L	0.0082	0.0082 U
Tetrachloro-m-xylene (S)	%	109	40.3-190

LABORATORY CONTROL SAMPLE: 648300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
SEMIVOLATILES					

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## QUALITY CONTROL DATA

Workorder: A1007071 Sumter Co. Landfill

LABORATORY CONTROL SAMPLE: 648300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylene Dibromide (EDB)	ug/L	0.25	0.22	88	65-135	
1,2-Dibromo-3-Chloropropane	ug/L	0.25	0.26	106	65-135	
Tetrachloro-m-xylene (S)	%			93	40.3-190	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 648301 648302 Original: A1007071001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	RPD	Qualifiers
<b>SEMIVOLATILES</b>											
Ethylene Dibromide (EDB)	ug/L	0	0.25	0.25	0.26	99	103	65-135	4	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.25	0.28	0.28	111	110	65-135	1	30	
Tetrachloro-m-xylene (S)	%	102				94	91	40.3-190	4		

## QUALITY CONTROL DATA QUALIFIERS

Workorder: A1007071 Sumter Co. Landfill

### QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- V Method Blank Contamination

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1007071 Sumter Co. Landfill

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1007071001	MW -10			SM 2540C	WCAt/33931
A1007071002	MW -11			SM 2540C	WCAt/33931
A1007071003	MW -2			SM 2540C	WCAt/33931
A1007071004	MW -4			SM 2540C	WCAt/33931
A1007071005	MW -4A			SM 2540C	WCAt/33931
A1007071006	MW -4B			SM 2540C	WCAt/33931
A1007071007	MW -6A			SM 2540C	WCAt/33931
A1007071008	MW -8			SM 2540C	WCAt/33931
A1007071009	MW -9A			SM 2540C	WCAt/33931
A1007071001	MW -10			EPA 350.1	WCAt/33947
A1007071002	MW -11			EPA 350.1	WCAt/33947
A1007071003	MW -2			EPA 350.1	WCAt/33947
A1007071004	MW -4			EPA 350.1	WCAt/33947
A1007071005	MW -4A			EPA 350.1	WCAt/33947
A1007071006	MW -4B			EPA 350.1	WCAt/33947
A1007071007	MW -6A			EPA 350.1	WCAt/33947
A1007071008	MW -8			EPA 350.1	WCAt/33947
A1007071009	MW -9A			EPA 350.1	WCAt/33947
A1007071001	MW -10			EPA 300.0	WCAa/18205
A1007071002	MW -11			EPA 300.0	WCAa/18205
A1007071003	MW -2			EPA 300.0	WCAa/18205
A1007071004	MW -4			EPA 300.0	WCAa/18205
A1007071005	MW -4A			EPA 300.0	WCAa/18205
A1007071006	MW -4B			EPA 300.0	WCAa/18205
A1007071007	MW -6A			EPA 300.0	WCAa/18205
A1007071008	MW -8			EPA 300.0	WCAa/18205
A1007071009	MW -9A			EPA 300.0	WCAa/18205
A1007071001	MW -10	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071002	MW -11	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071003	MW -2	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071004	MW -4	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1007071 Sumter Co. Landfill

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1007071005	MW -4A	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071006	MW -4B	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071007	MW -6A	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071008	MW -8	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071009	MW -9A	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071010	EQB	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071011	Trip Blank-2	SW-846 5030B	MSVj/20136	SW-846 8260B	MSVj/20137
A1007071001	MW -10	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071002	MW -11	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071003	MW -2	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071004	MW -4	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071005	MW -4A	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071006	MW -4B	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071007	MW -6A	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071008	MW -8	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071009	MW -9A	SW-846 3010A	DGMj/22024	SW-846 6020	ICMj/17272
A1007071001	MW -10	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071002	MW -11	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071003	MW -2	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071004	MW -4	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071005	MW -4A	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071006	MW -4B	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071007	MW -6A	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071008	MW -8	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071009	MW -9A	SW-846 3010A	DGMj/22025	SW-846 6010	ICPj/21210
A1007071001	MW -10	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882
A1007071002	MW -11	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882
A1007071003	MW -2	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882
A1007071004	MW -4	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882
A1007071005	MW -4A	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882
A1007071006	MW -4B	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1007071 Sumter Co. Landfill

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1007071007	MW -6A	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882
A1007071008	MW -8	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882
A1007071009	MW -9A	SW-846 7470A	DGMj/22038	SW-846 7470A	CVAj/16882
A1007071001	MW -10	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071002	MW -11	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071003	MW -2	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071004	MW -4	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071005	MW -4A	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071006	MW -4B	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071007	MW -6A	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071008	MW -8	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071009	MW -9A	SW-846 8011	EXTj/20611	SW-846 8011	GCSj/19588
A1007071001	MW -10	DISRES	FLDa/	DISRES	FLDa/
A1007071002	MW -11	DISRES	FLDa/	DISRES	FLDa/
A1007071003	MW -2	DISRES	FLDa/	DISRES	FLDa/
A1007071004	MW -4	DISRES	FLDa/	DISRES	FLDa/
A1007071005	MW -4A	DISRES	FLDa/	DISRES	FLDa/
A1007071006	MW -4B	DISRES	FLDa/	DISRES	FLDa/
A1007071007	MW -6A	DISRES	FLDa/	DISRES	FLDa/
A1007071008	MW -8	DISRES	FLDa/	DISRES	FLDa/
A1007071009	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>11/29/10</b>	

## PURGING DATA

WELL 2" PVC		TUBING 3/8"		WELL SCREEN INTERVAL		STATIC DEPTH 25.00'		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)											
= ( <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 X 3.14159											
(only fill out if applicable)											
1 Equip Vol = .02 gallons + ( .006 gallons/foot X <b>45.35'</b> feet ) + .125 gallons = <b>.425</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>1330</b>		PURGING ENDED AT: <b>1357</b>		TOTAL VOLUME PURGED (gallons): <b>21</b>			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1353	19	19	.5	26.38	7.15	25.39	554	1.40	11.7	Clear	None
1355	1	20	.5	26.30	6.97	25.36	542	1.39	9.27	Clear	None
1357	1	21	.5	26.31	6.93	25.32	542	1.42	7.81	Clear	None
No Sheen											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <b>H. L. Claytor, Colinas Group, Inc.</b>				SAMPLER(S) SIGNATURES: 				SAMPLING INITIATED AT: <b>1358</b>		SAMPLING ENDED AT: <b>1410</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>~40'</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-10	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA228RA228		ESP		
"	1	PE	250 mL	H2S04	None	—	Total Ammonia		ESP		
"	1	PE	250 mL	HN03	None	—	Metals		ESP		
"	2	PE	250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS		ESP		
"	—	Various	Various	PrePreserved	None	—	APP 2 Parameters		ESP		

REMARKS:  
 1330: Inserted SS ESP and dedicated 3/8" PE tubing to ~40' bto c and began purging @ .5 gpm. This well has a history of high turbidity at beginning of purge. Will over purge to clean it up.  
 1335: GW is extremely turbid. Increased flow to 1 gpm.  
 1341: Turbidity @ 59 NTUs, continuing purge.  
 1345: Turbidity @ 27 NTUs, continuing purge.  
 1350: Turbidity @ 16 NTUs, reduced flow to .5 gpm.

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

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 initially + 5 NTU or + 10% (whichever is greater)



DEP-SOP-001/01  
Form FD 9000-24  
**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>11/29/10</b>	

**PURGING DATA**

WELL 2" PVC DIAMETER (Inches):	TUBING 3/8" DIAMETER (Inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>22.14</b>	PURGE PUMP TYPE 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) = ( <b>40.15'</b> feet - <b>22.14'</b> feet ) X <b>1.755</b> gallons/foot = <b>138.5</b> gallons											
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</b> = <b>.02</b> gallons + ( <b>.006</b> gallons/foot X <b>40</b> feet ) + <b>.125</b> gallons = <b>.405</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~35'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~35'</b>	PURGING INITIATED AT: <b>1129</b>	PURGING ENDED AT: <b>1149</b>	TOTAL VOLUME PURGED (gallons): <b>10.00</b>							
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1143	7.00	7.00	.5	22.30	6.45	25.84	534	1.00	21.4	Clear	None
1145	1.00	8.00	.5	22.30	6.43	25.84	536	.80	18.3	Clear	None
1147	1.00	9.00	.5	22.30	6.43	25.81	543	.58	16.3	Clear	None
1149	1.00	10.00	.5	22.30	6.46	25.82	550	.34	14.8	Clear	None
No Shear											
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; 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>1150</b>	SAMPLING ENDED AT: <b>1205</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) N</b>		FIELD-FILTERED: <b>(Y) (N)</b> FILTER SIZE: <b>µm</b>		DUPLICATE: <b>Y (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	—	GrossAlpha, RA226, RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	2	PE	250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP
"	—	Various	Various	Various	Pre-preserved None	—	App 1 Parameters	ESP

REMARKS:  
1129: Inserted SS ESP and dedicated 3/8" PE tubing to ~ 35' bto c and began purging @ .5 gpm.  
1132: GW is extremely turbid and is typical for this well at beginning of purge. Will over purge to clear it up.  
1136: Turbidity is @ 29 NTUs, continuing to purge. WL 27.31' @ .5 gpm.  
1139: Turbidity @ 19 NTUs, WL 27.31' @ .5 gpm. Drawdown is stable.

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

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

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-2</b>	SAMPLE ID: <b>MW-2</b>	DATE: <b>11/30/10</b>	

## PURGING DATA

WELL: <b>2" PVC</b>	TUBING: <b>3/8" 1/4"</b>	WELL SCREEN INTERVAL: <b>25.98'</b>	STATIC DEPTH TO WATER (feet): <b>25.98'</b>	PURGE PUMP TYPE 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>1 Well Vol = (31.92' feet - 25.98' feet) X 1.16 gallons/foot = 9.504 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 28' feet) + .125 gallons = .315 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:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1210	.96	.96	.08	26.06'	6.96	27.71	264	4.76	1.30	Clear	None
1212	.16	1.12	.08	26.06'	6.91	27.72	262	4.75	0.82	Clear	None
1214	.16	1.28	.08	26.06'		27.62	262	4.61	0.73	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. Clayton, Colinas Group, Inc.</b>		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: <b>1215</b>	SAMPLING ENDED AT: <b>1235</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: <b>µm</b>		DUPLICATE: <b>Y (N)</b>	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)
MW-2	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2S04	None
"	1	PE	250 mL	HN03	None
"	1	PE	500 mL	None	None
"	—	Various	Various	Represerved	None
INTENDED ANALYSIS AND/OR METHOD				SAMPLING EQUIPMENT CODE	
GrossAlpha, RA226RA228				APP	
Total Ammonia				APP	
Metals				APP	
Chloride, Fluoride, Nitrate, TDS				APP	
App I parameters				APP/APP	

REMARKS:  
1158: Set dedicated 1/4" PE tubing @ ~27' b/c and began purging @ .08 gpm with a PP.  
1203: WL 26.07' @ .08 gpm, GW is clear.  
1208: WL 26.06' @ .08 gpm, DO is high @ 4.69 mg/L, but is typical for this well. Will use optional stabilization criteria below.  
Drawdown is stable.

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

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

SAMPLING/PURGING: APP = After Peristaltic Pump; B = 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 initially and ≤ 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>11/30/10</b>	

## PURGING DATA

WELL <b>2" PVC</b>	TUBING <b>3/8"</b>	WELL SCREEN INTERVAL	STATIC DEPTH <b>27.39'</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											
<b>1 Well Vol</b> = ( <b>36.35'</b> feet - <b>27.39'</b> feet ) X <b>.16</b> gallons/foot = <b>1.4336</b> gallons											
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</b> = <b>.02</b> gallons + ( <b>.006</b> gallons/foot X <b>38'</b> feet ) + <b>.125</b> gallons = <b>.375</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~31'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~31'</b>	PURGING INITIATED AT: <b>1102</b>	PURGING ENDED AT: <b>1114</b>	TOTAL VOLUME PURGED (gallons): <b>3.67</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1110</b>	<b>2.40</b>	<b>2.40</b>	<b>.3</b>	<b>27.80</b>	<b>7.29</b>	<b>26.46</b>	<b>599</b>	<b>.56</b>	<b>9.64</b>	<b>Clear</b>	<b>Slight</b>
<b>1112</b>	<b>.6</b>	<b>3.00</b>	<b>.3</b>	<b>27.80</b>	<b>7.26</b>	<b>26.74</b>	<b>605</b>	<b>.56</b>	<b>8.17</b>	<b>Clear</b>	<b>Same</b>
<b>1114</b>	<b>.6</b>	<b>3.60</b>	<b>.3</b>	<b>27.80</b>	<b>7.23</b>	<b>26.78</b>	<b>609</b>	<b>.54</b>	<b>6.14</b>	<b>Clear</b>	<b>Same</b>
<b>No stream</b>											
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; 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>1115</b>		SAMPLING ENDED AT: <b>1130</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>~31'</b>				SAMPLE PUMP FLOW RATE (mL per minute): <b>&lt; 250 mL</b>				TUBING 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>0.45 µm</b>				DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
<b>MW-4</b>	<b>2</b>	<b>PE</b>	<b>1 Ltr</b>	<b>HN03</b>	<b>None</b>	<b>---</b>	<b>GrossAlpha, RA226RA228</b>		<b>ESP</b>		
<b>"</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2SO4</b>	<b>None</b>	<b>---</b>	<b>Ammonia</b>		<b>ESP</b>		
<b>"</b>	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HN03</b>	<b>None</b>	<b>---</b>	<b>Metals</b>		<b>ESP</b>		
<b>"</b>	<b>1</b>	<b>PE</b>	<b>500 mL</b>	<b>None</b>	<b>None</b>	<b>---</b>	<b>Chloride, Fluoride, Nitrate, TDS</b>		<b>ESP</b>		
<b>"</b>	<b>Various</b>	<b>Various</b>	<b>Various</b>	<b>Preserved</b>	<b>---</b>	<b>---</b>	<b>APP 2 Parameters</b>		<b>ESP</b>		

REMARKS:  
**1102: Inserted SS ESP and dedicated 3/8" PE tubing to ~31' bto c and began purging @ .3 gpm.**  
**1107: WL 27.80' @ .3 gpm, GW is clear.**  
**1109: WL 27.80' @ .3 gpm, drawdown is 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 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)



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

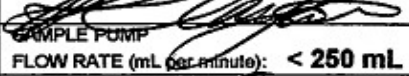
170  
1-00

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>11/29/10</b>	

**PURGING DATA**

WELL <b>2" PVC</b> DIAMETER (inches):	TUBING <b>3/8"</b> DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH <b>32.58</b> TO WATER (feet):	PURGE PUMP TYPE 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)											
= ( <b>45.23'</b> feet - feet ) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME X 3 = <b>1.245</b> (only fill out if applicable)											
1 Equip Vol = <b>.02</b> gallons + ( <b>.006</b> gallons/foot X <b>4.5'</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>1523</b>	PURGING ENDED AT: <b>1546</b>	TOTAL VOLUME PURGED (gallons): <b>5.50</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>1542</b>	<b>5.10</b>	<b>5.10</b>	<b>.1</b>	<b>32.61</b>	<b>7.07</b>	<b>26.52</b>	<b>680</b>	<b>.22</b>	<b>10.45</b>	<b>Clear</b>	<b>None</b>
<b>1544</b>	<b>.2</b>	<b>5.30</b>	<b>.1</b>	<b>32.61</b>	<b>7.05</b>	<b>26.72</b>	<b>681</b>	<b>.19</b>	<b>9.83</b>	<b>Clear</b>	<b>None</b>
<b>1546</b>	<b>.2</b>	<b>5.50</b>	<b>.1</b>	<b>32.61</b>	<b>7.05</b>	<b>26.86</b>	<b>683</b>	<b>.20</b>	<b>8.32</b>	<b>Clear</b>	<b>None</b>
<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/SIGNATURES: 		SAMPLING INITIATED AT: <b>1547</b>	SAMPLING ENDED AT: <b>1600</b>			
PUMP OR TUBING DEPTH IN WELL (feet): <b>~40'</b>		SAMPLE PUMP FLOW RATE (mL per minute): <b>&lt; 250 mL</b>		TUBING MATERIAL CODE: <b>PE</b>				
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> <b>N</b>		FIELD-FILTERED: <input checked="" type="checkbox"/> <b>N</b> FILTER SIZE: _____ µm		DUPLICATE: <input type="checkbox"/> <b>Y</b> <input checked="" type="checkbox"/> <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
<b>MW-4A</b>	<b>2</b>	<b>PE</b>	<b>1 Ltr</b>	<b>HN03</b>	<b>None</b>	<b>—</b>	<b>GrossAlpha, RA226RA228</b>	<b>ESP</b>
"	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>H2S04</b>	<b>None</b>	<b>—</b>	<b>Total Ammonia</b>	<b>ESP</b>
"	<b>1</b>	<b>PE</b>	<b>250 mL</b>	<b>HN03</b>	<b>None</b>	<b>—</b>	<b>Metals</b>	<b>ESP</b>
"	<b>1</b>	<b>PE</b>	<b>500 mL</b>	<b>None</b>	<b>None</b>	<b>—</b>	<b>Chloride, Fluoride, Nitrate, TDS</b>	<b>ESP</b>
"	<b>-</b>	<b>Various</b>	<b>Various</b>	<b>Preserved</b>	<b>None</b>	<b>—</b>	<b>App I Parameters</b>	<b>ESP</b>

REMARKS:  
**1523:** Inserted SS ESP and dedicated 3/8" PE tubing to ~40' btoe and began purging @ .1 gpm.  
**1530:** WL 32.60' @ .1 gpm, GW is turbid @ 53 NTUs. Increased flow to .5 gpm to clean out well.  
**1538:** Turbidity @ 13 NTUs, reduced flow to .1 gpm.  
**1540:** WL 32.61' @ .1 gpm, drawdown is stable.

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

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)  
 SAMPLING/PURGING: APP = After Peristaltic Pump; B = 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);



DEP-SOP-001/01  
Form FD 9000-24  
**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>11/29/10</b>	

**PURGING DATA**

WELL 2" PVC DIAMETER (inches):	TUBING 3/8" DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH 30.65' TO WATER (feet):	PURGE PUMP TYPE 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 <b>1 Well Vol = (38.49' - 30.65') X .16 gallons/foot = 1.2544 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) + gallons = gallons</b>											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~35'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~35'</b>	PURGING INITIATED AT: <b>1435</b>	PURGING ENDED AT: <b>1452</b>	TOTAL VOLUME PURGED (gallons): <b>1.70</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1448	1.30	1.30	.1	30.69'	9.13	26.86	146	5.16	5.60	Clear	None
1450	.2	1.50	.1	30.69'	9.18	27.05	145	5.32	4.19	Clear	None
1452	.2	1.70	.1	30.69'	9.17	27.11	145	5.32	3.53	Clear	None
No Shown											
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(S) SIGNATURES: 		SAMPLING INITIATED AT: <b>1453</b>	SAMPLING ENDED AT: <b>1510</b>			
PUMP OR TUBING DEPTH IN WELL (feet):		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 Filtration Equipment Type: _____		DUPLICATE: <b>Y (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-4B	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228	ESP
"	1	PE	250 mL	H2SO4	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	2	PE	250/500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP
"	—	Various	Various	Various	Preserved	—	App I Parameters	ESP

REMARKS:  
1435: Inserted SS ESP and dedicated 3/8" PE tubing to ~35' bto c and began purging @ 1 gpm.

1440: WL 30.69' @ .1 gpm, GW is clear. DO is high @ 5-50 mg/L, but is typical for this well. Will use optional stabilization criteria below.

1445: WL 30.69' @ .1 gpm, drawdown is stable. GW is clear.

1447: WL 30.69' @ .1 gpm. pH is high @ 9.15, but is typical for this well.

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

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

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

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

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



# 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>11/30/10</b>	

## PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING 3/8" DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>34.16</b>	PURGE PUMP TYPE 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) = ( <b>50.84'</b> feet - <b>34.16'</b> feet ) X <b>1.335</b> gallons/foot = <b>22.1</b> gallons											
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</b> = <b>.02</b> gallons + ( <b>.006</b> gallons/foot X <b>50'</b> ) + <b>.125</b> gallons = <b>.375</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>1311</b>	PURGING ENDED AT: <b>1337</b>	TOTAL VOLUME PURGED (gallons): <b>13.60</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1333	11.60	11.60	.5	34.20	7.75	25.01	260	2.01	12.6	Clear	None
1335	1	12.60	.5	34.20	7.75	25.86	260	2.00	11.9	Clear	None
1337	1	13.60	.5	34.20	7.76	24.90	259	2.05	9.56	Clear	None
No stream											
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; 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" = 0.008; 1/2" = 0.010; 5/8" = 0.016											

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <b>H. L. Claytor, Colinas Group, Inc.</b>		SAMPLER/SIGNATURES: <i>[Signature]</i>		SAMPLING INITIATED AT: <b>1338</b>	SAMPLING ENDED AT: <b>1355</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>~45'</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	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)
MW-6A	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2S04	None
"	1	PE	250 mL	HN03	None
"	1	PE	500 mL	None	None
"	—	Various	Various	Prepreserved	None
INTENDED ANALYSIS AND/OR METHOD				SAMPLING EQUIPMENT CODE	
GrossAlpha, RA228RA228				ESP	
Total Ammonia				ESP	
Metals				ESP	
Chloride, Fluoride, Nitrate, TDS				ESP	
APP 2 Parameters				ESP	

REMARKS:  
1311: Inserted SS ESP and dedicated 3/8" PE tubing to ~45' btoe and began purging @ .5 gpm. This well typically is extremely turbid at beginning of purge. Will over purge to clear it up.  
1317: GW is still extremely turbid. Increased flow to 1 gpm.  
1322: Turbidity is @ 18 NTU, reduced flow to .12 gpm.  
1327: DO is high @ 6.52 mg/L, but is typical for this well. Will use optional stabilization criteria below. Turbidity is up to 34 NTU. Increased flow to .5 gpm. (over)

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

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

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



# GROUNDWATER SAMPLING LOG

SITE NAME: <b>Sumter County Landfill</b>		SITE LOCATION: <b>Sumterville, FL</b>	
WELL NO: <b>MW-8</b>	SAMPLE ID: <b>MW-8</b>	DATE: <b>11/29/10</b>	

## PURGING DATA

WELL <b>2" PVC</b>	TUBING <b>3/8"</b>	WELL SCREEN INTERVAL	STATIC DEPTH <b>24.87'</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 (only fill out if applicable)				
= ( <b>43.24'</b> feet - <b>24.87'</b> feet ) X <b>0.006</b> gallons/foot = <b>0.125</b> 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>0.02</b> gallons + ( <b>0.006</b> gallons/foot X <b>38'</b> ) + <b>0.125</b> gallons = <b>0.353</b> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~38'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>~38'</b>	PURGING INITIATED AT: <b>1231</b>	PURGING ENDED AT: <b>1249</b>	TOTAL VOLUME PURGED (gallons): <b>5.40</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1245	4.20	4.20	.3	24.89	7.23	24.50	376	3.87	10.08	Clear	None
1247	.6	4.80	.3	24.89	7.22	24.53	376	3.57	8.51	Clear	None
1249	.6	5.40	.3	24.89	7.22	24.55	377	3.77	7.24	Clear	None
No shoes.											

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; 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>1250</b>	SAMPLING ENDED AT: <b>1305</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>~38'</b>		FLOW RATE (ml. per minute): <b>&lt; 250 mL</b>		TUBING MATERIAL CODE: <b>PE</b>	
FIELD DECONTAMINATION: <input checked="" type="radio"/> Y <input type="radio"/> N		FIELD-FILTERED: <input checked="" type="radio"/> Y <input type="radio"/> N FILTER SIZE: <b>0.45 µm</b>		DUPLICATE: <input type="radio"/> Y <input checked="" type="radio"/> 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-8	2	PE	1 Ltr	HN03	None	---	GrossAlpha, RA228RA228	ESP
"	1	PE	250 mL	H2SO4	None	---	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	---	Metals	ESP
"	2	PE	500 mL	None	None	---	Chloride, Fluoride, Nitrate, TDS	ESP
"	-	Various	Various	Various	Reserved	-	APP 5 Parameters	ESP

REMARKS:  
1231: ~~Set dedicated date~~ - Inserted SS ESP and dedicated 3/8" PE tubing to ~38' btl and began purging @ .3 gpm.  
1237: WL 24.89' @ .3 gpm, GW is turbid. Will over purge to clear it up. Lots of very fine white particles suspended in GW.  
1244: WL 24.89' @ .3 gpm, drawdown is stable. Turbidity @ 15 NTUs. DO is high @ 3.90 mg/L but is typical for this well. Will use optional stabilization criteria below.

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

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

SAMPLING/PURGING 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): pH: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings < 20 NTU continually + 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-9A</b>		SAMPLE ID: <b>MW-9A</b>	
		DATE: <b>11/30/10</b>	

## PURGING DATA

WELL 2" PVC		TUBING 3/8"		WELL SCREEN INTERVAL		STATIC DEPTH <b>32.05'</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 - <b>32.05'</b> feet ) X <b>0.0006</b> gallons/foot = <b>0.125</b> 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>52'</b> feet ) + <b>.125</b> gallons = <b>0.445</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>0935</b>		PURGING ENDED AT: <b>1014</b>		TOTAL VOLUME PURGED (gallons): <b>19.5</b>			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1010	17.5	17.5	.5	34.00	6.40	25.27	922	.67	11.2	Clear	None
1012	.1	18.5	.5	34.00	6.42	25.28	917	.54	10.48	Clear	None
1014	.1	19.5	.5	34.00	6.42	25.26	905	.32	10.69	Clear	None
No Shear											
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>1015</b>		SAMPLING ENDED AT: <b>1030</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 <input checked="" type="checkbox"/> N				FIELD-FILTERED: <input checked="" type="checkbox"/> Y				FILTER SIZE: <b>0.45</b> µm		DUPLICATE: <input checked="" type="checkbox"/> Y	
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	H2S04	None	—	Total Ammonia		ESP		
"	1	PE	250 mL	HN03	None	—	Metals		ESP		
"	1	PE	500 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS		ESP		
"	Various	Various	Various	Preserved	None	—	App 2 Parameters		ESP		

REMARKS:  
0935: Inserted SS ESP and dedicated 3/8" PE tubing to ~45' btoe and began purging @ .5 gpm. This well typically has extremely high turbidity at beginning of purge. Will over purge to clear it up.

0955: Turbidity @ 45 NTUs, continuing to purge @ .5 gpm.

1005: Turbidity @ 19 NTUs, WL 34.29' @ .5 gpm.

1009: WL 34.00' @ .5 gpm, 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: 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)







**A1007071**

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56602 Princess Palm Ave., Tampa, FL 33618 • 813.630.9616 • Fax 813.630.4327 • E84569  
56603 13815 SW Archer Road, Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639 • E82001  
56604 Allamonte Sofinas, FL 32701 • 407.937.1594 • Fax 407.937.1594 • E8258  
56605 North Lake Eads, FL 32701 • 407.937.1594 • Fax 407.937.1594 • E8259

Sumter Co. Landfill - GW Sampling

CLIENT NAME:		The Colinas Group, Inc.		Sumter Co. Landfill - GW Sampling												
ADDRESS:	P.O. NUMBER/PROJECT NUMBER: <u>0-431</u>															
PHONE:	PROJECT LOCATION: <u>Sumterville, FL</u>															
FAX:	REMARKS/SPECIAL INSTRUCTIONS:															
CONTACT:																
SAMPLED BY:																
TURN AROUND TIME:																
STANDARD	<input type="checkbox"/> RUSH															
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED	1LP	1LP	1LP	250 mL P	250 mL P	125 mL P	40mL Vials	40mL Vials	LABORATORY I.D. NUMBER
	MW-10	G	11/29/10	1410	W	12		X	X	X	X	X	X	X	X	
	MW-11	G	1	1205	W	12		X	X	X	X	X	X	X	X	
	MW-2	G	11/30/10	1235	W	12		X	X	X	X	X	X	X	X	
	MW-4	G	1	1130	W	12		X	X	X	X	X	X	X	X	
	MW-4A	G	11/29/10	1600	W	12		X	X	X	X	X	X	X	X	
	MW-4B	G	1	1510	W	12		X	X	X	X	X	X	X	X	
	MW-6A	G	11/30/10	1355	W	12		X	X	X	X	X	X	X	X	
	MW-8	G	11/29/10	1305	W	12		X	X	X	X	X	X	X	X	
	MW-9A	G	11/30/10	1030	W	12		X	X	X	X	X	X	X	X	
	Trip Blank-1 EOB	G	11/29/10	1110	W	3										
	Trip Blank-2	-	-	-	W	1										

Matrix Codes: UAW = wastewater, SW = surface water, GW = ground water, DW = drinking water, O = oil, A = air, SO = soil, SL = sludge  
Preservation Code: = (see HPLC2) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Temperature when received 72 (In degrees Celsius)

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



**FOR DRINKING WATER USE:**

When PWS information not otherwise supplied PWS ID:

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Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Supplier of Water

Relinquished by:		Date	Time	Received by:		Date	Time
1		11/30/10	1520		11/30/10	1520	
2							
3							
4							





# 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 #: 1012032

Report Date: 12/14/10

Report to:

Advanced Environmental Laboratories, Inc.

528 S. North Lake Blvd., Ste. 1016

Altamonte Springs, FL 32701

Attention: Myrna Santiago

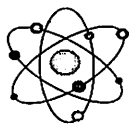
I do hereby affirm that this record contains no willful misrepresentations and that this information given by me is true to the best of my knowledge and belief. I further certify that the methods and quality control measures used to produce these laboratory results were implemented in accordance with 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

Date

12-14-10



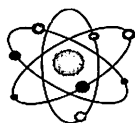
## Florida Radiochemistry Services, Inc.

### Sample Login

<b>Client:</b>	<b>Advanced Environmental Laboratories, Inc.</b>	<b>Date / Time Received 12/06/10 17:00</b>	<b>Work order # 1012032</b>
<b>Client Contact:</b>	<b>Myrna Santiago</b>		
<b>Client P.O.</b>			
<b>Project I.D.</b>	<b>A1007071</b>		

<b>Lab Sample I.D.</b>	<b>Client Sample I.D.</b>	<b>Sample Date/Time</b>	<b>Analysis Requested</b>
1012032-01	A1007071-01	11/29/10 14:10	Ga, Ra226, Ra228
1012032-02	A1007071-02	11/29/10 12:05	Ga, Ra226, Ra228
1012032-03	A1007071-03	11/30/10 12:35	Ga, Ra226, Ra228
1012032-04	A1007071-04	11/30/10 11:30	Ga, Ra226, Ra228
1012032-05	A1007071-05	11/29/10 16:00	Ga, Ra226, Ra228
1012032-06	A1007071-06	11/29/10 15:10	Ga, Ra226, Ra228
1012032-07	A1007071-07	11/30/10 13:55	Ga, Ra226, Ra228
1012032-08	A1007071-08	11/29/10 13:05	Ga, Ra226, Ra228
1012032-09	A1007071-09	11/30/10 10:30	Ga, Ra226, Ra228



## Florida Radiochemistry Services, Inc.

### Analysis Report

Lab Sample I.D. 1012032-01 1012032-02 1012032-03 1012032-04 1012032-05 1012032-06

Client I.D. A1007071-01 A1007071-02 A1007071-03 A1007071-04 A1007071-05 A1007071-06

Gross Alpha	11.4	14.3	1.1	3.9	2.7	2.2
Error +/-	1.3	3.2	0.8	2.0	0.8	1.0
MDL	0.9	1.9	0.9	2.0	0.9	1.0
EPA Method	900.0	900.0	900.0	900.0	900.0	900.0
Prep Date	12/08/10	12/08/10	12/08/10	12/08/10	12/08/10	12/08/10
Prep Time	06:24	06:24	06:24	06:24	06:24	06:24
Analysis Date	12/09/10	12/09/10	12/09/10	12/09/10	12/09/10	12/09/10
Analysis Time	10:20	06:59	06:59	06:59	10:20	07:04
Analyst	MJN	MJN	MJN	MJN	MJN	MJN

Radium 226	1.3	2.4	0.3	0.9	1.1	0.3
Error +/-	0.2	0.2	0.2	0.2	0.2	0.1
MDL	0.2	0.1	0.2	0.1	0.2	0.2
EPA Method	903.1	903.1	903.1	903.1	903.1	903.1
Prep Date	12/07/10	12/07/10	12/07/10	12/07/10	12/07/10	12/07/10
Prep Time	10:11	10:11	10:11	10:11	10:11	10:11
Analysis Date	12/14/10	12/14/10	12/14/10	12/14/10	12/14/10	12/14/10
Analysis Time	10:36	10:36	10:36	10:36	10:36	11:38
Analyst	MJN	MJN	MJN	MJN	MJN	MJN

Radium 228	0.9U	0.9	0.9U	0.8U	0.8U	0.8U
Error +/-	0.6	0.6	0.5	0.5	0.6	0.5
MDL	0.9	0.9	0.9	0.8	0.8	0.8
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	12/07/10	12/07/10	12/07/10	12/07/10	12/07/10	12/07/10
Prep Time	10:11	10:11	10:11	10:11	10:11	10:11
Analysis Date	12/14/10	12/14/10	12/14/10	12/14/10	12/14/10	12/14/10
Analysis Time	11:24	11:24	11:24	11:24	11:24	11:24
Analyst	PJ	PJ	PJ	PJ	PJ	PJ

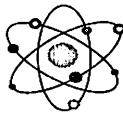
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l
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## Florida Radiochemistry Services, Inc.

### Analysis Report

Lab Sample I.D.	1012032-07	1012032-08	1012032-09
Client I.D.	A1007071-07	A1007071-08	A1007071-09
Gross Alpha	2.0	2.3U	6.7
Error +/-	1.2	1.5	1.4
MDL	1.2	2.3	1.3
EPA Method	900.0	900.0	900.0
Prep Date	12/08/10	12/08/10	12/08/10
Prep Time	06:24	06:24	06:24
Analysis Date	12/09/10	12/09/10	12/09/10
Analysis Time	07:04	10:20	10:20
Analyst	MJN	MJN	MJN
Radium 226	0.3	0.7	2.0
Error +/-	0.1	0.2	0.2
MDL	0.2	0.2	0.1
EPA Method	903.1	903.1	903.1
Prep Date	12/07/10	12/07/10	12/07/10
Prep Time	10:11	10:11	10:11
Analysis Date	12/14/10	12/14/10	12/14/10
Analysis Time	11:38	11:38	11:38
Analyst	MJN	MJN	MJN
Radium 228	0.8U	0.8U	1.1
Error +/-	0.5	0.5	0.6
MDL	0.8	0.8	0.8
EPA Method	Ra-05	Ra-05	Ra-05
Prep Date	12/07/10	12/07/10	12/07/10
Prep Time	10:11	10:11	10:11
Analysis Date	12/14/10	12/14/10	12/14/10
Analysis Time	11:24	12:28	12:28
Analyst	PJ	PJ	PJ
Units	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	1012032-07	12/09/10	2.0	10.2	12.8	10.4	106	20.7
Radium 226	1012033-01	12/14/10	3.0	25.2	24.9	26.6	87	6.6
Radium 228	1012033-01	12/14/10	<0.8	4.6	4.2	4.1	91	2.4

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