Pelz, Susan

From: Deans, David E [dave.deans@atkinsglobal.com]
Sent: Monday, October 03, 2011 2:45 PM
To: Pelz, Susan
Cc: Teresa Carver
Subject: Hardee County Landfill Gas Survey Q3-2011
Attachments: Hardee Co 3rd Q 2011 GAS REPORT.PDF

Susan,

Attached is the report for the Hardee County landfill for the third quarter 2011. A hard copy of this report is coming by regular mail.

David E. Deans, PE, BCEE
Vice President

ATKINS

NOTE: Effiective April 1, 2011 my new email address will be david.deans@atkinsglobal.com

482 South Keller Road, Orlando, Florida 32810 Tel: +1 (407) 647-7275 x4074101 | Fax: +1 (407) 806-4500 |
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Consider the environment. Please don't print this email unless you really need to.

Morris, John R.

From: oracle@dbprod.dep.state.fl.us
Sent: Wednesday, August 10, 2011 8:06 PM
To: Demirpolat, Karen
Cc: Moore, Clark B.; Morris, John R.; Pelz, Susan; Smith, Michell M.; Morgan, Steve; Taylor, Casey; Wennerberg, Jolie; Watson, Stephanie M.; Olayiwola, Tayo; Madden, Melissa; Martin, Lee; Frazier, Dinah; Gaskin, Nancy
Subject: Production-WACS Electronic Upload for Facility 00040612

Groundwater data has been electronically uploaded to WACS for
Solid Waste WACS Facility: 00040612-HARDEE COUNTY REGIONAL LANDFILL
District: SWD County: HARDEE

Lab EDD File Name: 40612_201106_swldd.csv
Field EDD File Name: 40612_201106_swfdd.csv
Oculus Document Link for ADaPT EDD (single ZIP file):
http://dwmedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.119736.1]&[profile=Discovery_Compliance]

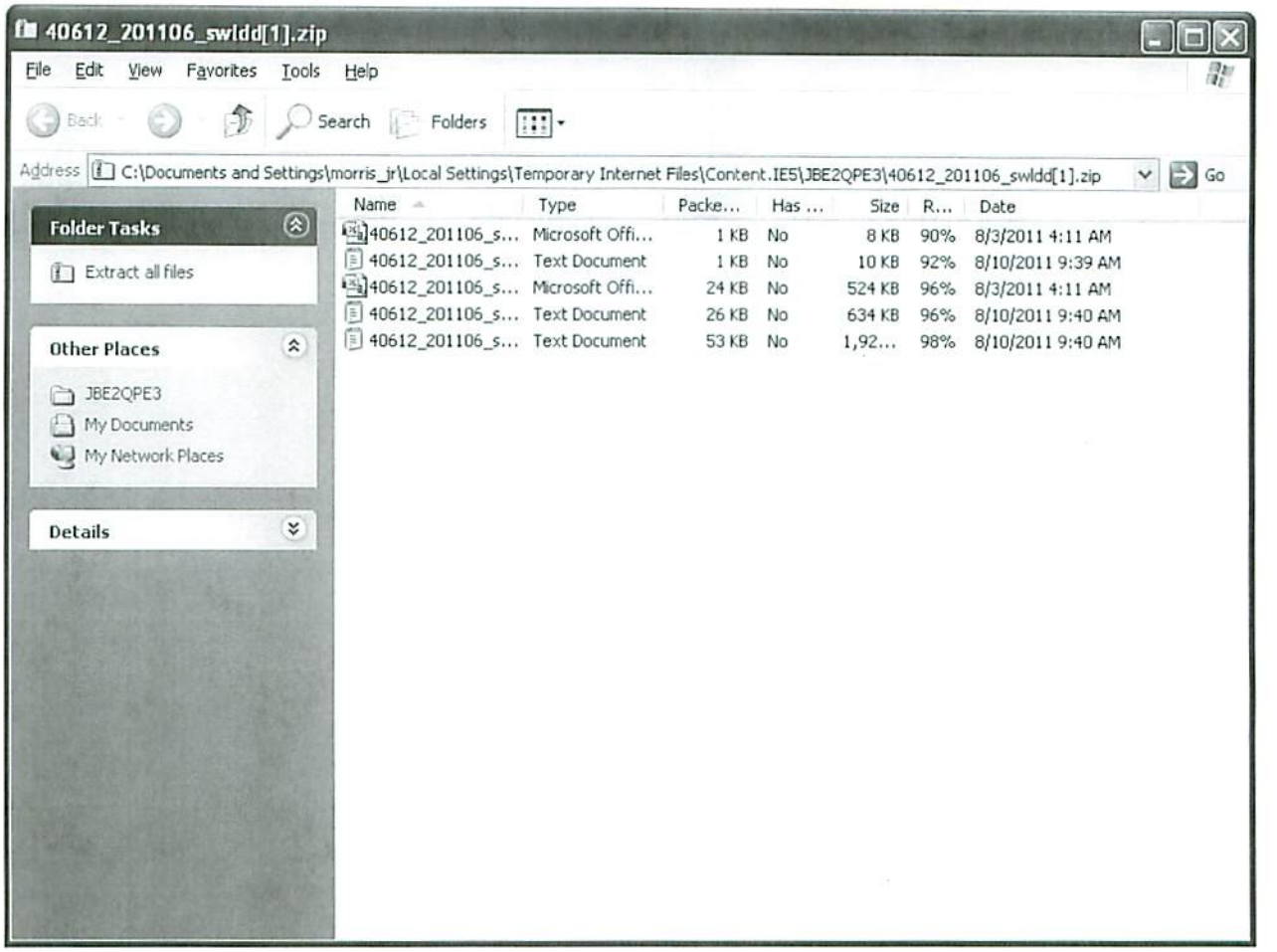
Click on the above link to download a ZIP file of the ADaPT lab EDD, lab EDD error log and field EDDs.

Regulatory Compliance ASP Report:
http://appprod.dep.state.fl.us/wacs/WACS_REPORTS/SW_Facility_Testsite_Results_Analysis_Body_Only.asp?facilityid=40612&sample_year=2011&sample_month=06

Groundwater Monitoring Data has been uploaded for the following testsites:

Report Type: SEMCD Testsite: 00000296 Sample Date: 06/23/2011 Sample Time: 08:06
Report Type: SEMCD Testsite: 00000297 Sample Date: 06/23/2011 Sample Time: 08:06
Report Type: SEMCD Testsite: 00000299 Sample Date: 06/23/2011 Sample Time: 08:06
Report Type: SEMCD Testsite: 00000300 Sample Date: 06/23/2011 Sample Time: 08:06
Report Type: SEMCD Testsite: 00019255 Sample Date: 06/23/2011 Sample Time: 08:06
Report Type: SEMCD Testsite: 00021062 Sample Date: 06/22/2011 Sample Time: 08:06
Report Type: SEMCD Testsite: 00021882 Sample Date: 06/23/2011 Sample Time: 08:06
Report Type: SEMCD Testsite: 00022930 Sample Date: 06/23/2011 Sample Time: 08:06
Report Type: SEMCD Testsite: 00022931 Sample Date: 06/23/2011 Sample Time: 08:06

ADAPT FILES EXPORTED TO WACS 8/10/11



Inserted Into
OCULUS
Date: 8/31/11 & 9/1/11
Initials: DEPTALLAHASSEE
SOLID WASTE SECTION

ADAPT FILES ONLY INSERTED IN OCULUS

ATKINS

GW ELEV @ MW-12R
-TABLE 1 @ 78.82
-FIGURE 2 @ 78.98
SOME OF THESE AMOUNTS LIKE FIGURES [MW-5, MW-8, MW-11 AND MW-12R] DO NOT PROVIDE SUFF. INFO. TO DEMONSTRATE VOC SAMPLES WERE COLLECTED IN ACCORDANCE W/ SOPs
ELEV D.O. @ 7 OF 8 WELLS
ELEV TVOC @ 7 OF 8 WELLS

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40612

JRM 9/19/12

GW SW LR

Dept. of Environmental Protection
OCT 04 2011
Southwest District

October 3, 2011

Mr. John Morris, P.G.
Southwest District Office
Florida Department of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926

Re: Review of Semi-Annual Sampling Results
First Half 2011 Sampling Event
Hardee County Landfill
WACS Facility ID No. SWD/25/40612
Permit No. 38414-011-SO

ADAPT FILES VIA E-MAIL

Dear Mr. Morris:

On behalf of the Hardee County Solid Waste Department, Atkins presents this review of the results of the first half 2011 sampling event at for the facility referenced above. This document is designed to comply with the requirements of Specific Condition E.10 of the facility's permit, and was compiled in general accordance with the guidelines promulgated in Chapter 62-701.510(9) (a) of the Florida Administrative Code (FAC).

BACKGROUND

The Hardee County Solid Waste Disposal Facility is an active Class I landfill which encompasses approximately 100 acres of land at 685 Airport Road in Hardee County, Florida. According to the facility's operating permit, the water quality monitoring network is designed to monitor the groundwater in the surficial aquifer, the surface water, and leachate. The groundwater monitoring network includes eight monitoring wells, which are designated MW-1, MW-2, MW-4, MW-5, MW-8, MW-10R, MW-11, and MW-12R. The facility's permit designates MW-1 and MW-4 as background wells and the other wells as detection wells. There are three other monitoring wells, MW-3, MW-6, and MW-7, which are designated by the permit as piezometers along with 15 other piezometers. Please note that piezometers P-1, P-2, and P-15 were recently abandoned. The layout of the site is presented in Figure 1.

Specific Condition E.4.d of the facility's permit specifies that groundwater samples be collected from the monitoring wells on a semiannual basis. The groundwater samples are analyzed for the analytes listed on the 40 Code of Federal Regulations (CFR) Part 258, Appendix I as well as for total ammonia, iron, chlorides, mercury, nitrate, sodium, and total dissolved solids (TDS). These analytes are also listed in Specific Condition No. 29(c) of the facility's permit.

Specific Condition E.9 of the permit calls for the collection of a leachate samples from two points - at Manhole 9 (Phase I) and at the Phase II leachate collection/detection riser. Leachate samples are

JUNE 2011 SAMPLING EVENT

typically collected during the first half sampling event of each year and analyzed for the laboratory analytes listed in the referenced specific condition.

Specific Condition E.8 of the permit calls for the collection of a surface water sample from one location, which is designated SW-2. The surface water samples are collected during both semiannual sampling events during the year.

The groundwater, leachate, and surface water sampling points are illustrated in Figure 1.

FIRST HALF 2011 SAMPLING EVENT

The first half 2011 sampling event was conducted on June 22nd and 23rd, 2011. Groundwater, surface water and leachate samples were collected during this event. The groundwater, surface water and leachate samples were collected in general accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedure for Field Activities (SOP 001/01). Sample collection and analysis was performed by Flowers Chemical Laboratories inc. (FCL). FCL is a NELAC-certified laboratory. A FDEP Ground Water Monitoring Report form for the sampling event is provided in Attachment A.

Sample Collection Methodology

Prior to sampling the monitoring wells, each was purged with a peristaltic pump using the "low-flow" method. A minimum equivalent of three well volumes was purged from each well prior to sample collection. Temperature, pH, conductivity, dissolved oxygen (DO), and turbidity measurements were monitored and recorded throughout the purging process to ensure that representative water samples were collected. The groundwater samples were given identifiers which corresponded to the well of origin. Depth-to-groundwater measurements were made from the top-of-casing (TOC) at each monitoring well prior to initiating the purging process. Water level readings were also made at all of the piezometers listed in the permit. The water level measurements were subtracted from the TOC elevations to determine the elevation of the water table at each well and piezometer. The TOC elevations are referenced in feet above the National Geodetic Vertical Datum (NGVD). The groundwater sampling logs and field equipment calibration logs are provided in Attachment B.

The surface water sample was collected through polyethylene tubing using a peristaltic pump. The inlet to the tubing was placed at about mid-depth of the surface water body.

All of the samples were placed in laboratory-prepared containers, placed on ice, and carried to FCL for analysis of the analytes listed in the applicable specific conditions of the facility's permit.

FIRST HALF 2011 SAMPLING EVENT RESULTS

Groundwater Flow Pattern

Depth to groundwater measurements were collected at the eight monitoring wells and 15 piezometers during this sampling event. The groundwater level elevation data from this event are presented in Table

1. The groundwater elevation data were plotted and contoured to generate the groundwater elevation contour map presented in Figure 2. The data indicated that the groundwater in the surficial aquifer beneath the landfill was flowing in a south-southeasterly direction at the time of this sampling event. The water table gradient measured approximately 0.002 feet per foot beneath the site.

Sampling Results

A description of the detections in the groundwater, surface water and leachate is presented below. The leachate analytical results were not available at the time of the issuance of this report and will be forwarded under separate cover.

Groundwater Analytical Results

There were numerous inorganic analytes but no organic analytes detected in the groundwater samples collected and analyzed during this sampling event. The inorganic analyte detections included all of those which are part of the analytical program except antimony, beryllium, cadmium, cobalt, mercury, silver, and thallium. At least one inorganic analyte was detected at every well in the monitoring network.

The concentrations of all of the analytes which were detected in the groundwater were compared to their respective Maximum Contaminant Level (MCL) or Secondary Drinking Water Standard (SDWS) in accordance with the Florida statutes. The MCLs and SDWSs for Drinking Water Standards, Monitoring, and Reporting are promulgated by Chapter 62-550 of the Florida Administrative Code (FAC). Not every parameter has an MCL or SDWS. There were two analytes detected at concentrations higher than the standards – pH and iron. Both of these analytes have SDWS standards. A description of the detection patterns with these two analytes is described below.

- pH - The standard for pH is any value within the range of 6.5 to 8.5 The pH value at all of the wells but MW-2 were at 6.5 or lower and measured as low as 4.66 at well MW-1. The pH values at both of the background wells, MW-1 and MW-4, were lower than the standard range. The pH value at MW-2 was 6.62.

- The standard for iron is 0.3 milligrams per liter (mg/L). The iron concentration in the samples collected at all wells exceeded the standard. The iron concentrations at both of the background wells were higher than the standard.

A summary of the groundwater analytical results is presented in Table 2, and the laboratory analytical report is provided in Attachment C.

Surface Water Analytical Results

There were several inorganic analytes and no organic analytes detected in the surface water sample SW-2. The concentration of every analyte that was detected in the surface water sample was compared to the State surface water quality standards, and the only analyte that was inconsistent with the standard was dissolved oxygen (DO). The DO concentration measured 3.75 milligrams per liter (mg/L), which is lower than the standard of greater than 5 mg/L. The surface water standards are promulgated by Chapter

62-302, FAC. A summary of the surface water analytical results is presented in Table 3 and the laboratory analytical report is provided in Attachment C.

Leachate Water Analytical Results

Specific Condition E.9.a of the facility permit specifies that leachate samples be collected from two locations on an annual basis. The collection points are Manhole 9 (Phase I) and Phase II Leachate Collection/Detection Riser. Sampling occurred on June 23, 2011 and a sample was collected from the Manhole 9 (Phase I) location. The Phase II sample location was found to be dry.

There were numerous inorganic analytes and four organic analytes detected in the leachate sample. The concentration of every parameter that was detected in the leachate was compared to regulatory levels listed in 40 CFR Part 261.24, as required by the Florida solid waste regulations. The only analyte that exceeded its standard was dissolved oxygen. A summary of the leachate water analytical results is presented in Table 4 and the laboratory analytical report is provided in Appendix C.

SUMMARY AND CONCLUSIONS

The results of the first half 2011 sampling event at the Hardee County Solid Waste Disposal Facility were consistent with those of the recent sampling events, with numerous inorganic detections in the groundwater and surface water and no organic analyte detections. There were four analytes detected outside of the regulatory standards; pH, arsenic and iron were detected in the groundwater at concentrations in excess of the regulatory criteria, and DO was detected below the target range in the surface water.

Based on these findings, the facility does not appear to be having a significant effect on groundwater and surface water quality. Atkins recommends that the analytical results in future sampling events be monitored closely for any developing trends. If you have any questions regarding the information presented in this report, please call me at (407) 806-4104.

Very truly yours,

David E. Deans, PE
Vice President
Florida PE No. 31095

CC: Ms. Teresa Carver, Hardee County Solid Waste Department, 685 Airport Road, Wauchula, FL 33873 (2 copies)
File 100018228

TABLES

Table 1
Groundwater Elevation Data
Hardee County Landfill
First Half 2011

Well Identifier	Top-of-Casing Elevation (Ft-NGVD)	Ground Surface Elevation (Ft-NGVD)	Total Depth (Ft-TOC)	Well Diameter (Inches)	Depth to Groundwater (Ft below TOC)	Groundwater Elevation (Ft-NGVD)
Monitoring Wells						
MW-1	87.97	86.24	11.00	4	6.70	81.27
MW-2	85.86	83.75	10.50	4	7.65	78.21
MW-4	87.16	84.09	18.90	2	7.79	79.37
MW-5	88.76	85.83	18.10	2	9.39	79.37
MW-8	88.98	85.80	13.50	2	10.10	78.88
MW-10R	88.56	85.49	15.12	2	9.58	78.98
MW-11	88.11	85.17	13.90	2	9.47	78.64
MW-12R	89.00	85.71	23.25	2	10.18	78.82
Piezometers						
MW-3	88.06	86.46	NA	2	8.58	79.48
MW-6	88.25	85.06	NA	2	9.72	78.53
MW-7	87.88	84.98	NA	2	9.25	78.63
P-1	90.57	86.47	NA	2	NM*	NM*
P-2	91.08	89.48	NA	2	NM*	NM*
P-7	84.47	82.41	NA	2	6.14	78.33
P-8	85.32	83.25	NA	2	6.95	78.37
P-11	88.69	86.16	NA	2	9.19	79.50
P-13	87.96	87.98	NA	2	9.31	78.65
P-14	87.31	84.05	NA	2	8.78	78.53
P-15	87.72	89.62	NA	2	NM*	NM*
P-17	88.82	85.88	NA	2	7.85	80.97
P-18	88.74	84.37	NA	2	8.85	79.89
P-19	86.73	84.14	NA	2	7.02	79.71
P-20	87.6	84.68	NA	2	7.94	79.66
P-21	86.63	83.57	NA	2	8.2	78.43
P-22	87.04	84.09	NA	2	8.64	78.40
P-23	86.45	83.71	NA	2	8.51	81.40

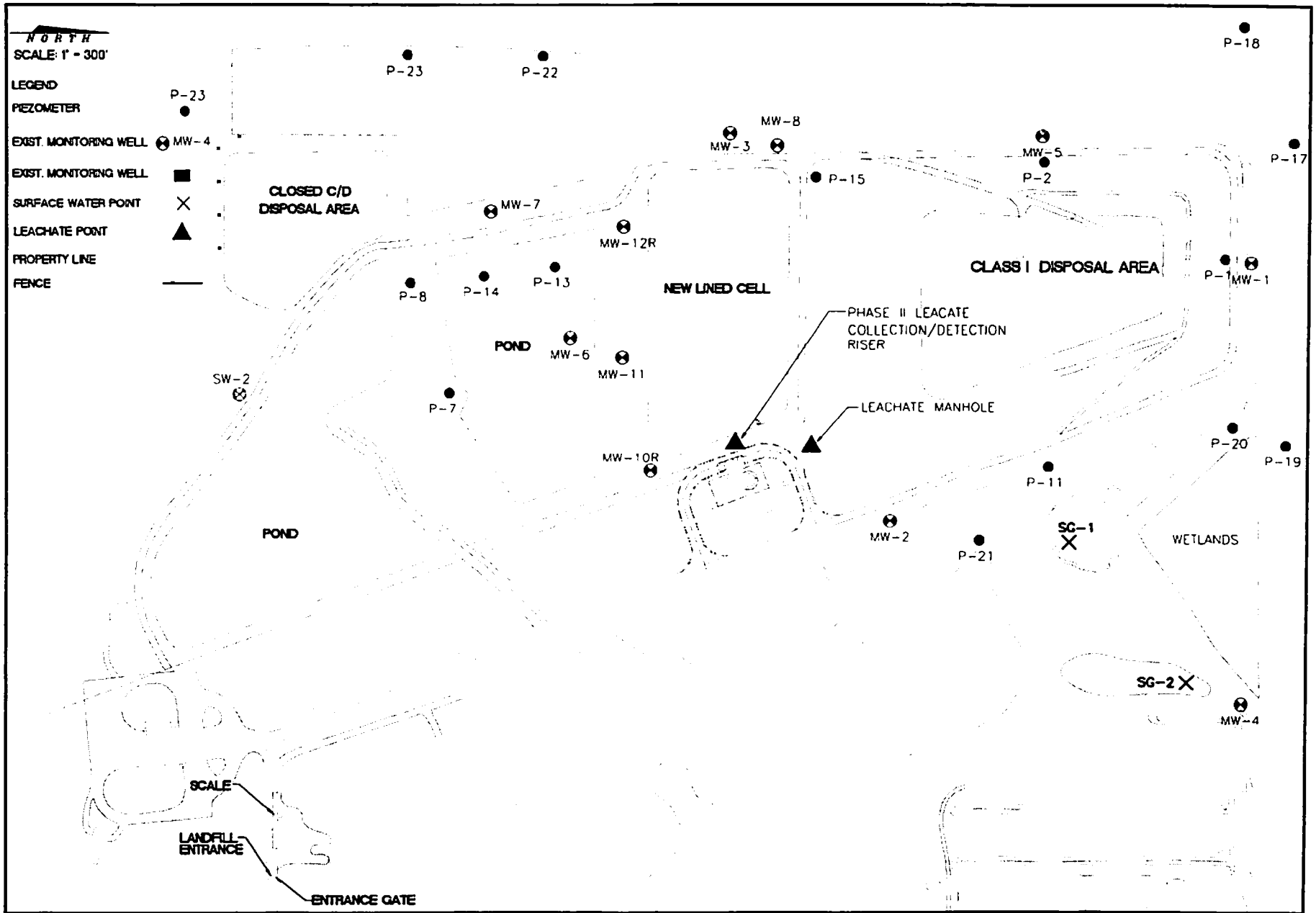
Table 2
Groundwater Analytical Summary
Hardee County Landfill
First Half 2011

Analyte	Monitoring Well		MW-1	MW-2	MW-4	MW-5	MW-8	MW-10R	MW-11	MW-12R
	Sample Date:		6/23/2011	6/23/2011	6/23/2011	6/23/2011	6/23/2011	6/23/2011	6/23/2011	6/23/2011
	Standard[1]	Units								
Field Measurements										
Groundwater Elevation		ft	81 3	78 2	79 4	79 4	79	79	78 6	78 8
Temperature		deg C	27 1	27 4	23 3	26 5	26 3	26 4	25 8	25 8
pH	6 5-8 5	STD	4.66	6 62	6.02	4.99	5.69	5.31	4.85	5.88
Conductivity		umhos/cm	169	466	199	125	312	133	56	284
Dissolved Oxygen (DO)		mg/l	260	0 3	0 24	0 14	160	0 15	0 14	0 8
Turbidity		NTU	19	2 9	5 7	1 6	1 03	2 5	10 3	4 4
Inorganics										
Nitrate (as N)	10	mg/l	0 116	0100 U	0100 U	BDL	0 129	0 0294	0100 U	0100 U
TDS	500	mg/l	298	372	246	70	254	112	74	220
Chloride	250	mg/l	13 9	31 8	10 6	13 9	16 1	10 8	5 22 1	17 5
Antimony	0 006	mg/l	0 00200 U	0 00200 U	0 00200 U	0 00200 U	0 00200 U	0 00200 U	0 00200 U	0 00200 U
Arsenic	0 01	mg/l	0 00989	0 00357	0 0109	00174 I	00101 I	0 00239	00100 U	0 00491
Barium	2	mg/l	0 0205	0 0322	0 0152	0 00558	0 00567	0 0102	0 0107	0 00621
Beryllium	0 004	mg/l	0 000500 U	000500 U	0 000500 U	0 000500 U	0 000500 U	0 000500 U	0 000500 U	0 000500 U
Cadmium	0 005	mg/l	0 00100 U	00100 U	0 00100 U	0 00100 U	0 00100 U	0 00100 U	0 00100 U	0 00100 U
Chromium	0 1	mg/l	0 00461	0 001121	0 00565	0 00219	0 00212	0 00209	0 00261	0 00313
Cobalt		mg/l	0 00100 U	00100 U	0 00100 U	0 00100 U	0 00100 U	0 00100 U	0 00100 U	0 00100 U
Copper	1	mg/l	0 00174 I	00100 U	00100 U	00100 U	00100 U	00100 U	00100 U	00100 U
Lead	0 015	mg/l	0 00296	00100 U	00100 U	00100 U	00100 U	00100 U	00100 U	00100 U
Mercury	0 002	mg/l	0 0000200 U	0000200 U	0 0000200 U	0 0000200 U	0 0000200 U	0 0000200 U	0 0000200 U	0 0000200 U
Nickel	0 1	mg/l	0 00646	0 00351	0 00265	00100 U	0 00346	00103 I	00100 U	0 00258
Selenium	0 05	mg/l	0 00232	00200 U	00200 U	00200 U	00221 I	00200 U	00200 U	00200 U
Silver	0 1	mg/l	000500 U	000500 U	000500 U	000500 U	000500 U	000500 U	000500 U	000500 U
Thallium	0 002	mg/l	00100 U	00100 U	00100 U	00100 U	00100 U	00100 U	00100 U	00100 U
Vanadium		mg/l	0 0315	0 00293	0 0153	0 00321	0 00563	0 00294	0 00521	0 0034
Zinc	5	mg/l	0100 U	0100 U	0100 U	0100 U	0 08	0100 U	0100 U	0187 I
Ammonia (as N)	2 8	mg/l	0 419	1 18	0 284	0 293	0 144	0 204	0100 U	0 251
Iron	0 3	mg/l	10.1	13.1	9.22	7.39	1.15	12.5	0.349	6.6
Sodium	160	mg/l	14	19	7	6 18	10 3	10 5	6 01	3 31
Organics										
1,1,1,2-Tetrachloroethane		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
1,1,1-Trichloroethane	200	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
1,1,2,2-Tetrachloroethane		ug/l	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U
1,1,2-Trichloroethane	5	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
1,1-Dichloroethane		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
1,1-Dichloroethene	7	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
1,2-Dichloroethane	3	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
1,2-Dichloropropane	5	ug/l	0 200 U	0 200 U	0 200 U	0 200 U	0 200 U	0 200 U	0 200 U	0 200 U
2-Butanone (MEK)		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
2-Hexanone		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Acetone		ug/l	5 00 U	5 00 U	5 00 U	5 00 U	5 00 U	5 00 U	5 00 U	5 00 U
Acrylonitrile		ug/l	0 300 U	0 300 U	0 300 U	0 300 U	0 300 U	0 300 U	0 300 U	0 300 U
Benzene	1	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Bromochloromethane		ug/l	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U
Bromodichloromethane		ug/l	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U	0 100 U
Bromoform		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Bromomethane		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Carbon Disulfide		ug/l	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U
Carbon Tetrachloride	3	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Chlorobenzene		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Chloroethane		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Chloroform		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Chloromethane		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Dibromochloromethane		ug/l	0 400 U	0 400 U	0 400 U	0 400 U	0 400 U	0 400 U	0 400 U	0 400 U
Dibromomethane		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Ethylbenzene	700	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Methyl Iodide		ug/l	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U
Methyl isobutyl Ketone		ug/l	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U
Methylene chloride		ug/l	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U
Para-dichlorobenzene	75	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Styrene	100	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Tetrachloroethene	3	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Toluene	1000	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Trichloroethene	3	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Trichlorofluoromethane		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Vinyl Acetate		ug/l	5 00 U	5 00 U	5 00 U	5 00 U	5 00 U	5 00 U	5 00 U	5 00 U
Vinyl chloride	1	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
Xylenes	10000	ug/l	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U
cis-1,2-Dichloroethene	70	ug/l	0 200 U	0 200 U	0 200 U	0 200 U	0 200 U	0 200 U	0 200 U	0 200 U
cis-1,3-Dichloropropene		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
o-Dichlorobenzene	600	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
trans-1,2-Dichloroethene	100	ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
trans-1,3,-Dichloropropene		ug/l	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U	0 500 U
trans-1,4-Dichloro-2-butene		ug/l	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U	1 00 U

[1] - Maximum Contaminant Level (MCL) or Secondary Drinking Water Standard (SDWS), as established in Chapter 62-550. Analyte concentrations shown with shading represent an exceedance of the MCL or SDWS

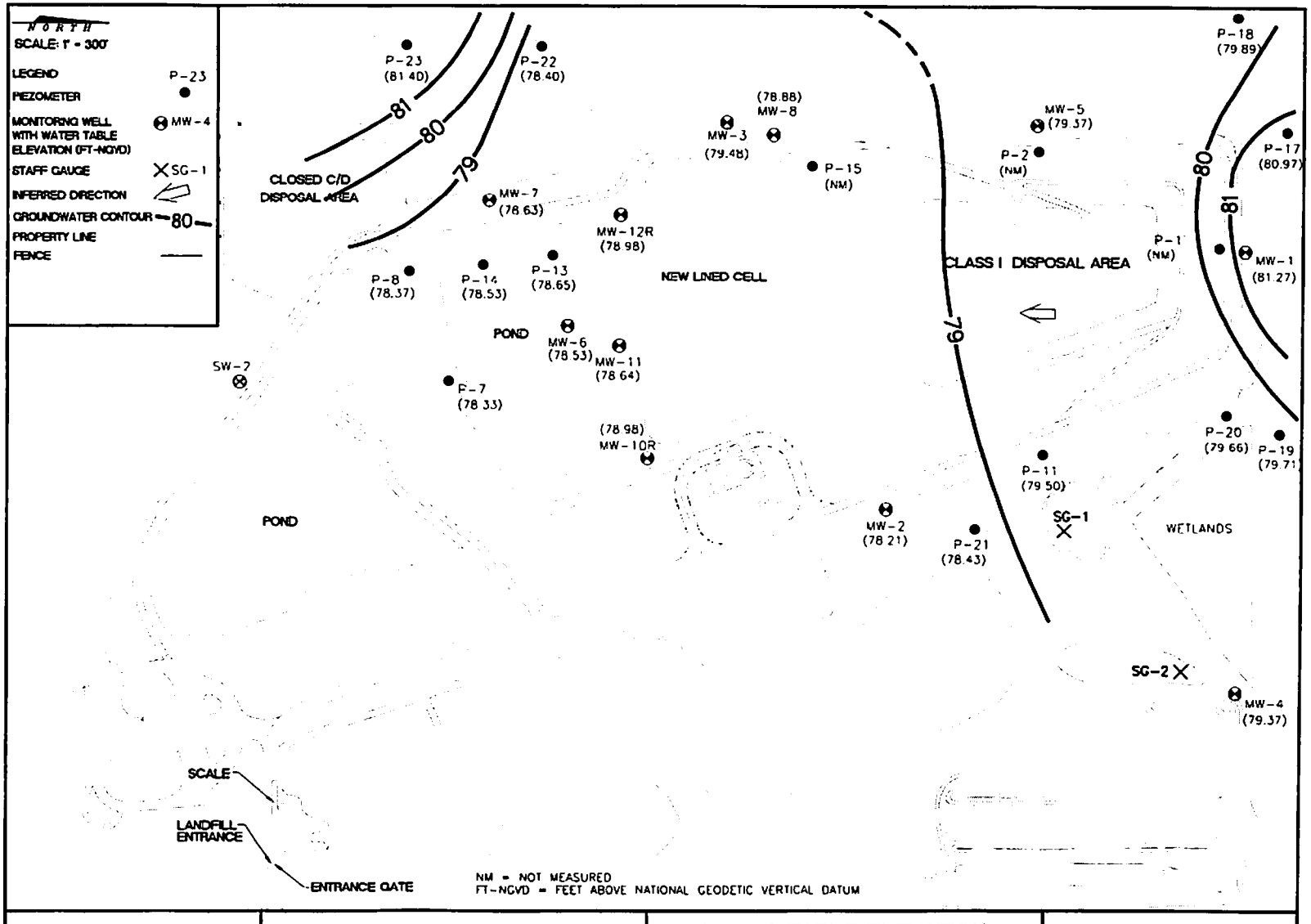
U = Compound was analyzed but not detected, I = Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

FIGURES



U:\SO\OldG\HAZARD\Hardee County\Water Quality Monitoring Program\First Half 2010\FIG-1_MONITORING POINTS.dwg Jul 14, 2010 - 2:13pm

PBSJ POST, BUCKLEY, SCHUH & JERNIGAN, INC.	HARDEE COUNTY LANDFILL	MONITORING POINTS	FIGURE 1



U:\SO\DOCS\HAZARD\Hardee County\Water Quality Monitoring Program\First Half 2011\FG-2_WATER TABLE ELEVATION - CONTOUR MAP-FIRST HALF 2011.dwg Sep 28, 2011 - 4:56pm

PBSJ POST, BUCKLEY, SCHUH & JERNIGAN, INC.	HARDEE COUNTY LANDFILL	WATER TABLE ELEVATION CONTOUR MAP FIRST HALF 2011	FIGURE 2

ATTACHMENT A

Ground Water Monitoring Report Form

DEP Form # 62-522.900(2)
Form Title Ground Water Monitoring Report
Effective Date
DEP Application No.

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Hardee County Solid Waste Disposal Facility

Address 685 Airport Road

City Wachula, Florida Zip 33873

Telephone Number (863) 733-5089

(2) The GMS Identification Number 4025C30001

(3) DEP Permit Number 38414-007-SO

(4) Authorized Representative Name David E. Deans, PE, BCEE, Atkins

Address 482 Keller Road

City Orlando, Florida Zip 32810

Telephone Number (407) 806-4104

(5) Type of Discharge N/A

(6) Method of Discharge N/A

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # Atkins

Analytical Lab Comp QAP # /HRS Certification # E83018

*Comp QAP # /HRS Certification #

Lab #1: Flowers Chemical Laboratories, Inc. , 481 Newburyport Avenue, Altamonte Springs, FL 32715

Lab #2

one Number (407) 339-5984

PART III ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: June 2011

,t Site ID #: _____ Report Period: First Half 2011
(year/quarter)

Well Name: _____ Well Purged (Y/N): _____

Classification of Ground Water: _____ Well Type: ( ) Background
( ) Intermediate
( ) Compliance
( ) Other

Ground Water Elevation (NGVD): _____

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units
	Please see sampling report, Forms, and laboratory report.						

* Attach Laboratory Reports

ATTACHMENT B

Groundwater Sampling Logs and Field Equipment Calibration Logs

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Hardee County Landfill	SITE LOCATION: Hardee County Landfill	
WELL NO: MW - 1	SAMPLE ID: MW - 1	DATE: 6/23/11

PURGING DATA

WELL DIAMETER (inches): 4.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.70	PURGE PUMP TYPE OR BAILER: RFPP

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

= (12.70 feet - 6.70 feet) X 0.65 gallons/foot = 3.90 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	PURGING INITIATED AT: 0802	PURGING ENDED AT: 0914	TOTAL VOLUME PURGED (gallons): 6.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0852	4.00	4.00	0.08	7.27	4.69	27.0	175.6	0.27	8.80	Brown Tint	none
0903	1.00	5.00	0.08	7.27	4.67	27.1	170.7	0.28	7.40	Brown Tint	none
0914	1.00	6.00	0.08	7.27	4.66	27.1	168.5	0.26	6.70	Brown Tint	none

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0917	SAMPLING ENDED AT: 0922
PUMP OR TUBING DEPTH IN WELL (feet): 11.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
				#See C.O.C.					

REMARKS:

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

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

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

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Hardee County Landfill	SITE LOCATION: Hardee County Landfill	
WELL NO: MW - 2	SAMPLE ID: MW - 2	DATE: 6/23/11

PURGING DATA

WELL DIAMETER (inches): 4.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.65	PURGE PUMP TYPE OR BAILER: RFPP

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

= (13.10 feet – 7.65 feet) X 0.65 gallons/foot = 3.54 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.00	PURGING INITIATED AT: 0927	PURGING ENDED AT: 1049	TOTAL VOLUME PURGED (gallons): 5.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1023	3.75	3.75	0.07	10.10	6.69	27.6	478.6	0.28	3.00	none	none
1036	1.00	4.75	0.07	10.10	6.64	27.5	473.2	0.27	2.70	none	none
1049	1.00	5.75	0.07	10.10	6.62	27.4	466.1	0.30	2.90	none	none

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1052	SAMPLING ENDED AT: 1057
PUMP OR TUBING DEPTH IN WELL (feet): 12.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
				See C.O.C.					

REMARKS:

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

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

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

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific C nductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Hardee County Landfill	SITE LOCATION: Hardee County Landfill	
WELL NO: MW - 4	SAMPLE ID: MW - 4	DATE: 6/23/11

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.79	PURGE PUMP TYPE OR BAILER: RFPP

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

= (21.75 feet – 7.79 feet) X 0.16 gallons/foot = 2.23 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	PURGING INITIATED AT: 1102	PURGING ENDED AT: 1121	TOTAL VOLUME PURGED (gallons): 3.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1115	2.25	2.25	0.20	8.28	6.09	23.4	198.7	0.32	4.10	none	none
1118	0.75	3.00	0.20	8.28	6.05	23.4	197.9	0.29	3.60	none	none
1121	0.75	3.75	0.20	8.28	6.02	23.3	198.6	0.24	5.70	none	none

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1125	SAMPLING ENDED AT: 1130
PUMP OR TUBING DEPTH IN WELL (feet): 15.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
				See C.O.C.					

REMARKS:

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

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

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

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Atkins	SITE LOCATION: Hardee County Land Fill		
WELL NO: MW-5	SAMPLE ID: MW-5	DATE: 6/23/11	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH feet to feet	STATIC DEPTH TO WATER (feet): 9.39	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= 20.75 feet - 9.39 feet) X 0.16 gallons/foot = 1.82 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12'	PURGING INITIATED AT: 09:11	PURGING ENDED AT: 09:27	TOTAL VOLUME PURGED (gallons): 3.20

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
09:11	-	-	-	9.39							SHEEN
09:21	2.00	2.00	0.20	9.60	5.02	26.5	126	0.21	2.7	Clear	NONE
09:24	0.60	2.60	0.20	9.60	5.00	26.5	126	0.15	1.6		
09:27	0.60	3.20	0.20	9.60	4.99	26.5	125	0.14	1.6		
										Clear	NONE

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Carpenter FCL	SAMPLER(S) SIGNATURE(S): Robert Carpenter	SAMPLING INITIATED AT: 09:28	SAMPLING ENDED AT: 09:31
PUMP OR TUBING DEPTH IN WELL (feet): 12'	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-5						4.99	SEE COC	PP	0.20

REMARKS

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Atkins	SITE LOCATION: Hardee County Landfill		
WELL NO.: MW-8	SAMPLE ID: MW-8	DATE: 6/23/11	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.01	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (13.15 feet - 10.01 feet) x 0.16 gallons/foot = 0.56 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12'	PURGING INITIATED AT: 09:44	PURGING ENDED AT: 09:56	TOTAL VOLUME PURGED (gallons): 1.24

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
09:44	—	—	—	10.01							SHEEN
09:52	0.70	0.70	0.09	11.17	5.70	26.4	315	0.33	1.75	Clear	NONE
09:54	0.27	0.97	0.09	11.17	5.70	26.4	315	0.24	1.04		
09:56	0.27	1.24	0.09	11.17	5.69	26.3	312	0.16	1.03		
										Clear	NONE

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Carpenter FCL	SAMPLER(S) SIGNATURE(S): Robert Carpenter	SAMPLING INITIATED AT: 09:57	SAMPLING ENDED AT: 10:02
PUMP OR TUBING DEPTH IN WELL (feet): 12'	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) / FILTER SIZE ___ µm; Filtration Equipment Type:	

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-8						5.69	SEE COC	PP	0.09

REMARKS

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Hardee County Landfill	SITE LOCATION: Hardee County Landfill	
WELL NO: MW – 10R	SAMPLE ID: MW – 10R	DATE: 6/23/11

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.58	PURGE PUMP TYPE OR BAILER: RFPP

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

= (23.08 feet – 9.58 feet) X 0.16 gallons/foot = 2.16 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	PURGING INITIATED AT: 1134	PURGING ENDED AT: 1154	TOTAL VOLUME PURGED (gallons): 3.75

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1146	2.25	2.25	0.19	10.08	5.33	26.4	133.6	0.20	2.90	none	none
1150	0.75	3.00	0.19	10.08	5.31	26.4	134.0	0.15	1.90	none	none
1154	0.75	3.75	0.19	10.08	5.31	26.4	132.7	0.15	2.50	none	none

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1200	SAMPLING ENDED AT: 1205
PUMP OR TUBING DEPTH IN WELL (feet): 15.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				See C.O.C.					

REMARKS:

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

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

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

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	ATKINS	SITE LOCATION	Hardee County Landfill
WELL NO.	MW-11	SAMPLE ID	MW-11
DATE	6/23/11		

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2"	1/4		9.47	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (13.9 feet – 9.47 feet) x 0.12 gallons/foot = 0.70 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
10'	10'	11:04	11:24	4.00

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	~~ODOR~~ (describe)
11:04				9.47							SHEEN
11:09	1.00	1.00	0.20	9.60	4.88	26.0	56	0.22	14.4	(clay)	
11:12	0.60	1.60	0.20	9.60	4.93	25.9	55	0.19	22.1	White	NONE
11:15	0.60	2.20	0.20	9.60	4.90	25.8	56	0.15	19.5		
11:18	0.60	2.80	0.20	9.60	4.88	25.8	56	0.15	13.2	clear	
11:21	0.60	3.40	0.20	9.61	4.86	25.8	56	0.14	12.7		
11:24	0.60	4.00	0.20	9.61	4.85	25.8	56	0.14	10.3		
										clear	NONE

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Robert Carpenter	Robert Carpenter	11:25	11:30

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) / FILTER SIZE ___ µm; Filtration Equipment Type:
10'	PE	

FIELD DECONTAMINATION PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-11						4.85	SEE COC	PP	0.20

REMARKS

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	Atkins	SITE LOCATION	Hardee County Landfill	
WELL NO.	MW-12R	SAMPLE ID	MW-12R	DATE 6/23/11

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH feet to feet	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2"	1/4		10.18	PP

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

= (22.04 feet - 10.18 feet) x 0.16 gallons/foot = 2.05 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
15'	15'	10:29	10:49	3.77

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:29				10.18						Tan/c	SLIGHT
10:41	2.25	2.25	0.19	12.15	5.88	25.9	232	0.89	5.6	~~Clear~~	NONE
10:45	0.76	3.01	0.19	12.15	5.87	25.8	230	0.85	4.7		
10:49	0.76	3.77	0.19	12.15	5.88	25.8	228	0.78	4.4		
										~~Clear~~ Tan/c	NONE

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
Robert Carpenter FCL	Robert Carpenter	10:50	10:54

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) FILTER SIZE ___ µm Filtration Equipment Type:
15'	PE	

FIELD DECONTAMINATION PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-12R						5.88	State COC	PP	0.19

REMARKS

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

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

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

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Check Box That Applies To Your Location

☐ **Flowers Chemical Laboratories, Inc.**
481 Newburyport Ave.
Altamonte Springs, FL 32701
Bus: 407-339-5984
Fax: 407-260-6110

☐ **Flowers Chemical Labs-South**
West Park Industrial Plaza
571 N.W. Mercantile Pl., Ste. 111
Port St. Lucie, FL 34986
Bus: 772-343-8006
Fax: 772-343-8089

☐ **Flowers Chemical Labs-North**
812 S.W. Harvey Greene Dr.
Madison, FL 32340
Bus: 850-973-6878
Fax: 850-973-6878

☐ **Flowers Chemical Labs-Keys**
3980 Overseas Highway, Ste. 103
Marathon, FL 33050
Bus: 305-743-8598
Fax: 305-743-8598

FLOWERS CHEMICAL LABORATORIES INCORPORATED

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Client: Atkins	Project Name: Hardee Co. Landfill S/A wells	P.O. #
Address	Client Contact	FAX
	FCL Project Manager: J. Flowers	E-MAIL
Phone	Requested Due Date 10 Day Standard OR	Rush Charges May Apply: # Quicklist Landfill Appl + A
Sampled By (PRINT): Tommy Cross/Robert Carpenter	Pick-Up Fee $	Vehicle Surcharge $
Sampler Signature	Date Sampled: 6/23/11	Sampling Fee $ 28

GW - ground water DW - drinking water WW - wastewater
SW - surface water SO - soil/solid SL - sludge HW - waste

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	PRESERVATIVES: NONE	H_2SO_4	HNO_3	HCl	$Na_2S_2O_3$	ANALYSES REQUESTED: Appdx I Metals	Fe, Na	Ag, Al, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Sn, Sr, Tl, V, Zn (8260)	Ag, Al, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Sn, Sr, Tl, V, Zn (6010)	Cl, NO3, TDS	NH3	COMMENTS: <6°C pH<2	Total # Containers
1	MW-1	6/23/11	0917	GW	152872GW1	X	X	X	X		X	X	X	X	X	X		
2	MW-5		0928		2													
3	MW-8		0957		3													
4	MW-2		1052		4													
5	MW-4		1125		5													
6	MW-11		1125		6													
7	MW-12R		1050		7													
8	MW-10R		1200		8													
9	Trip Blank		—	D.I.	9													
10																		

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
							6/23/11	1640		6/24/11	0636

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

• **WHITE** - Lab Copy - To Be Scanned • **YELLOW** - Client Copy

Rev 04-08

FIELD DATA SHEET

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Sampler(s) Robert Carpenter Date 6/23/11 Page of

Project Name Atkins

Sample Type	WW	SW	GW	DW	Reag.Wtr.	Sludge	Sediment	Soil	Other
			(GW)						

Sample Site Indentification Hardee County Landfill

Sampling Method	Grab ☐	Composite ☐	Monitoring Well ☒	Bailer ☐	Pump ☐

Sampling Equipment PP

Site & Weather Conditions Partly Cloudy

Field Instrument Beginning Calibration 09:00

											Slope
pH Meter	(YES)		NO		Buffer	4.0	4.00	7.0	7.00	10.0	10.01
Conductivity Meter	(YES)		NO		Buffer	100	=100	1000	=1015		
Turbidity Meter	(YES)		NO		Buffer	1.0	1.0	10.0	10.0		
DO Meter	(YES)		NO	Sat = 99.7%							

Field Filtered ☐ YES ☒ NO Duplicate ☐ YES ☒ NO Field Decontamination ☒ YES ☐ NO

Parameter	Sample Containers	pH Check
☒ Nutrient	Plastic - H_2SO_4	< 2
☒ Metals	Plastic - HNO_3	< 2
☐ Sulfide	Plastic - NaDH / Zn Acetate	< 12
☐ Cyanide	Plastic - NaDH / Zn (No sulfide)/Ascorbic Acid	> 12
☐ Bacteriological	Glass - Thiosulfate (DW NO Chlorine Res)	
☐ Oil & Grease	Glass - HCl	< 2
☐ TOC	Plastic - HCl	< 2
☐ VOA	Glass - HCl	< 2
☐ SVOC	Glass - HCl (DW NO Chlorine Res)	
☐ Phenols	Glass - H_2SO_4	< 2
☒ Other	Unpreserved	

Well Diameter	Multiplier
1.5 Inches	0.092
(2.0 Inches)	0.163
4.0 Inches	0.653
6.0 Inches	1.469

Field Instrument Ending Calibration 12:20

pH Meter	(YES)		NO		Buffer	4.0		7.0	7.00	10.0	
Conductivity Meter	(YES)		NO		Buffer			1000	=1015		
Turbidity Meter	(YES)		NO		Buffer	1.0	1.0	10.0	10.0		
DO Meter	(YES)		NO	Sat = 99.6%							

General Site Information / Comments

Lab # 152872

FIELD DATA SHEET

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Sampler(s) Tommy Cross Date 6/21/11 Page 1 of 5

Project Name Atkins: Hardee County Landfill S/A MW's

Sample Type	WW	SW	GW	DW	Reag.Wtr.	Sludge	Sediment	Soil	Other

Sample Site Indentification MW-1, MW-2, MW-4, MW-10R

Sampling Method	Grab ☐	Composite ☐	Monitoring Well ☑	Bailer ☐	Pump ☑

Sampling Equipment Geotech peristaltic pump, polyethelene and silicon Tubing

Site & Weather Conditions clear + Hot

Field Instrument Beginning Calibration

											Slope
pH Meter	YES	✓	NO		Buffer	4.0	4.00	7.0 ~~7.0~~	7.00	10.0	10.00
Conductivity Meter	YES	✓	NO		Buffer	147		~~1414~~ 1413	1412	12900	
Turbidity Meter	YES	✓	NO		Buffer	0.5		~~10.00~~ 5.0	10.00	40	
DO Meter	YES	✓	NO		Buffer	100.5% saturation		Adjust		From	

Field Filtered	☐ YES	☑ NO	Duplicate	☐ YES	☑ NO	Field Decontamination	☑ YES	☐ NO

Parameter	Sample Containers	pH Check
☑ Nutrient	Plastic - H_2SO_4	< 2
☑ Metals	Plastic - HNO_3	< 2
☐ Sulfide	Plastic - NaDH / Zn Acetate	< 12
☐ Cyanide	Plastic - NaDH / Zn (No sulfide)/Ascorbic Acid	> 12
☐ Bacteriological	Glass - Thiosulfate (DW NO Chlorine Res)	
☐ Oil & Grease	Glass - HCl	< 2
☐ TOC	Plastic - HCl	< 2
☑ VOA	Glass - HCl	< 2
☐ SVOC	Glass - HCl (DW NO Chlorine Res)	
☐ Phenols	Glass - H_2SO_4	< 2
☑ Other	Unpreserved	

Well Diameter	Multiplier
1.5 inches	0.092
2.0 inches	0.163
4.0 inches	0.653
6.0 inches	1.469

Field Instrument Ending Calibration

pH Meter	YES	✓	NO		Buffer	4.0		7.0 ~~7.0~~ 7.03	7.04	10.0	
Conductivity Meter	YES	✓	NO		Buffer	147		~~1414~~ 1413	1423	12900	
Turbidity Meter	YES	✓	NO		Buffer	0.5		~~10.00~~ 5.0	10.00	20.0	
DO Meter	YES	✓	NO		Buffer	100.1% saturation		Adjust		From	

General Site Information / Comments

Check Box That Applies To Your Location

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481 Newburyport Ave.
Altamonte Springs, FL 32701
Bus: 407-339-5984
Fax: 407-260-6110

☐ **Flowers Chemical Labs-South**
West Park Industrial Plaza
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Port St. Lucie, FL 34986
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Bus: 850-973-6878
Fax: 850-973-6878

☐ **Flowers Chemical Labs-Keys**
3980 Overseas Highway, Ste. 103
Marathon, FL 33050
Bus: 305-743-8598
Fax: 305-743-8598

FLOWERS CHEMICAL LABORATORIES INCORPORATED

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Client: AtKins
Address:
Phone:
Sampled By (PRINT): Tommy Gross / Robert Carpenter
Sampler Signature:
Date Sampled: 6/23/11

Project Name: Hardee Co. Landfill S/A wells
Client Contact:
FCL Project Manager: J. Flowers
Requested Due Date: 10 Day Standard OR
P.O. #:
FAX:
E-MAIL:
Rush Charges May Apply: Checklist-Landfill App I + II
Pick-Up Fee: $
Vehicle Surcharge: $
Sampling Fee: $ 40

GW - ground water DW - drinking water WW - wastewater
SW - surface water SO - soil/solid SL - sludge HW - waste

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	PRESERVATIVES: NONE	H_2SO_4	HNO_3	HCl	$Na_2S_2O_3$	ANALYSES REQUESTED: Appendix I Metals	Fe, Zn	Appendix II VOC (8260)	Appendix II VOC (8011)	Cl, Alk, TDS	SO4	COMMENTS: <6°C pH<2	Total # Containers
1	MW-1	6/23/11	0917	GW	152872GW1	X	X	X	X		X	X	X	X	X	X		
2	MW-5		0928		2													
3	MW-8		0957		3													
4	MW-2		1052		4													
5	MW-4		1125		5													
6	MW-11		1125		6													
7	MW-12R		1050		7													
8	MW-10R		1200		8													
9	Trip Blank		—	D.I.	9													
10																		

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
							6/24/11	1640		6/24/11	0636

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

WHITE - Lab Copy To Be Returned

ATTACHMENT C

Groundwater and Surface Water Analytical Report

FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs FL 32715-0597 — Phone: 407-339-5984 / Fax: 407-260-6110 — E83018 (Main Lab)
571 NW Mercantile Pl. Suite 111, Port St. Lucie FL 34986 — Phone: 772-343-8006 / Fax: 772-343-8089 — E86562 (South Lab)
P.O. Box 1200, Madison FL 32341 — Phone: 850-973-6878 / Fax: 850-973-6878 — E82405 (North Lab)
3980 Overseas Hwy Suite 103, Marathon FL 33050 — Phone: 305-743-8598 / Fax: 305-743-8598 — E35834 (Keys Lab)

Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Report Summary

Date Received: Jun 23, 2011

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
152872GW1	296/MW-1	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-Cl E	VLB	Main Lab	
152872GW2	300/MW-5	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-Cl E	VLB	Main Lab	
152872GW3	19255/MW-8	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	

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3980 Overseas Hwy Suite 103, Marathon FL 33050 — Phone: 305-743-8598 / Fax: 305-743-8598 — E35834 (Keys Lab)

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		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-Cl E	VLB	Main Lab	
152872GW4	297/MW-2	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-Cl E	VLB	Main Lab	
152872GW5	299/MW-4	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-Cl E	VLB	Main Lab	
152872GW6	21882/MW-11	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	

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		SM4500-Cl E	VLB	Main Lab	
152872GW7	22931/MW-12R	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-Cl E	VLB	Main Lab	
152872GW8	22930/MW-10R	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-Cl E	VLB	Main Lab	
152872GW9	Trip blank	EPA8260	CLS	Main Lab	Ground Water

Certificate of Results
Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Analysis Report

Lab #: 152872GW1 **Sampled:** 06/23/11 09:17 AM **Desc:** 296/MW-1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.116	mg/L	1.00	0.0100	0.0200	10176541	EPA353.2	14797-55-8	06/24/11 01:04 PM
Field Ground Water Elevation	81.3	ft	1.00	-10.0	-10.0	10176763	FT1000		06/23/11
Field pH (units)	4.66	pH	1.00	0.0100	0.0200	10176763	FT1100	C006	06/23/11
Field Conductivity	169	umhos/cm	1.00	0.100	0.100	10176763	FT1200		06/23/11
Field Temp. (C)	27.1	oC	1.00	0.100	0.100	10176763	FT1400		06/23/11
Field Turbidity	6.70	NTU	1.00	0.100	0.100	10176763	FT1600		06/23/11
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile PQL@ 20 ok	0.300 U	ug/L	1.00	0.300 0.06	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11

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PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW1 **Sampled:** 06/23/11 09:17 AM **Desc:** 296/MW-1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00 NE	2.00	10176846	EPA8260	074-88-4	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene PQL @ 2 OK	0.500 U	ug/L	1.00	0.500 0.4	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene PQL @ 2 OK	0.500 U	ug/L	1.00	0.500 @.4	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00 NE	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	105.97%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Surr:Bromofluorobenzene (75-132%)	91.50%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	101.43%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
TDS	298	mg/L	1.00	2.50	5.00	10176865	SM2540 C	10-33-3	06/29/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10176906	EPA6020	7440-36-0	06/30/11

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PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW1 **Sampled:** 06/23/11 09:17 AM **Desc:** 296/MW-1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00989	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-38-2	06/30/11
Barium	0.0205	mg/L	1.00	0.00200	0.00400	10176906	EPA6020	7440-39-3	06/30/11
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10176906	EPA6020	7440-41-7	06/30/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-43-9	06/30/11
Chromium	0.00461	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-47-3	06/30/11
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-48-4	06/30/11
Copper	0.00174 I	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-50-8	06/30/11
Lead	0.00296	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7439-92-1	06/30/11
Nickel	0.00646	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-02-0	06/30/11
Selenium	0.00232 I	mg/L	1.00	0.00200	0.00400	10176906	EPA6020	7782-49-2	06/30/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10176906	EPA6020	7440-22-4	06/30/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-28-0	06/30/11
Vanadium	0.0315	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-62-2	06/30/11
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10176906	EPA6020	7440-66-6	06/30/11
Chloride	20.3	mg/L	1.00	4.00	8.00	10176939	SM4500-Cl E	16887-00-6	07/02/11
Iron	10.1	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	13.4	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	0.419	mg/L	1.00	0.0100	0.0200	10177099	EPA350.1	7664-41-7	07/06/11
Field DO	0.260	mg/L	1.00	0.100	0.100	10177374	FT1500		06/23/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177627	EPA8011	106-93-4	06/29/11
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	96-12-8	06/29/11

Lab #: 152872GW2 **Sampled:** 06/23/11 09:28 AM **Desc:** 300/MW-5

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Nitrate(as N)	0.0202	mg/L	1.00	0.0100	0.0200	10176541	EPA353.2	14797-55-8	06/24/11	01:08 PM
Field Ground Water Elevation	79.4	ft	1.00	-10.0	-10.0	10176763	FT1000		06/23/11	
Field pH (units)	4.99	pH	1.00	0.0100	0.0200	10176763	FT1100	C006	06/23/11	
Field Conductivity	125	umhos/cm	1.00	0.100	0.100	10176763	FT1200		06/23/11	

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PO #: 40612
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Lab #: 152872GW2 **Sampled:** 06/23/11 09:28 AM **Desc:** 300/MW-5

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Field Temp. (C)	26.5	oC	1.00	0.100	0.100	10176763	FT1400		06/23/11
Field Turbidity	1.60	NTU	1.00	0.100	0.100	10176763	FT1600		06/23/11
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	074-88-4	06/29/11

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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW2 **Sampled:** 06/23/11 09:28 AM **Desc:** 300/MW-5

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	105.80%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Surr:Bromofluorobenzene (75-132%)	89.93%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	96.77%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
TDS	132	mg/L	1.00	2.50	5.00	10176865	SM2540 C	10-33-3	06/29/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10176906	EPA6020	7440-36-0	06/30/11
Arsenic	0.00174 I	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-38-2	06/30/11
Barium	0.00558	mg/L	1.00	0.00200	0.00400	10176906	EPA6020	7440-39-3	06/30/11
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10176906	EPA6020	7440-41-7	06/30/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-43-9	06/30/11
Chromium	0.00219	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-47-3	06/30/11
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-48-4	06/30/11

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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW2 **Sampled:** 06/23/11 09:28 AM **Desc:** 300/MW-5

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-50-8	06/30/11
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7439-92-1	06/30/11
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-02-0	06/30/11
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10176906	EPA6020	7782-49-2	06/30/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10176906	EPA6020	7440-22-4	06/30/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-28-0	06/30/11
Vanadium	0.00321	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-62-2	06/30/11
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10176906	EPA6020	7440-66-6	06/30/11
Chloride	14.1	mg/L	1.00	4.00	8.00	10176939	SM4500-Cl E	16887-00-6	07/02/11
Iron	7.39	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	6.18	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	0.293	mg/L	1.00	0.0100	0.0200	10177099	EPA350.1	7664-41-7	07/06/11
Field DO	0.140	mg/L	1.00	0.100	0.100	10177374	FT1500		06/23/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177627	EPA8011	106-93-4	06/29/11
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	96-12-8	06/29/11

Lab #: 152872GW3 **Sampled:** 06/23/11 09:57 AM **Desc:** 19255/MW-8

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Nitrate(as N)	0.129	mg/L	1.00	0.0100	0.0200	10176541	EPA353.2	14797-55-8	06/24/11	01:09 PM
Field Ground Water Elevation	79.0	ft	1.00	-10.0	-10.0	10176763	FT1000		06/23/11	
Field pH (units)	5.69	pH	1.00	0.0100	0.0200	10176763	FT1100	C006	06/23/11	
Field Conductivity	312	umhos/cm	1.00	0.100	0.100	10176763	FT1200		06/23/11	
Field Temp. (C)	26.3	oC	1.00	0.100	0.100	10176763	FT1400		06/23/11	
Field Turbidity	1.03	NTU	1.00	0.100	0.100	10176763	FT1600		06/23/11	
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11	
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11	
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11	
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11	

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PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW3 **Sampled:** 06/23/11 09:57 AM **Desc:** 19255/MW-8

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	074-88-4	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11

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PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
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Lab #: 152872GW3 **Sampled:** 06/23/11 09:57 AM **Desc:** 19255/MW-8

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	103.87%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Surr:Bromofluorobenzene (75-132%)	90.60%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	101.10%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
TDS	254	mg/L	1.00	2.50	5.00	10176865	SM2540 C	10-33-3	06/29/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10176906	EPA6020	7440-36-0	06/30/11
Arsenic	0.00101 I	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-38-2	06/30/11
Barium	0.00567	mg/L	1.00	0.00200	0.00400	10176906	EPA6020	7440-39-3	06/30/11
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10176906	EPA6020	7440-41-7	06/30/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-43-9	06/30/11
Chromium	0.00212	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-47-3	06/30/11
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-48-4	06/30/11
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-50-8	06/30/11
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7439-92-1	06/30/11
Nickel	0.00346	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-02-0	06/30/11
Selenium	0.00221 I	mg/L	1.00	0.00200	0.00400	10176906	EPA6020	7782-49-2	06/30/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10176906	EPA6020	7440-22-4	06/30/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-28-0	06/30/11

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3980 Overseas Hwy Suite 103, Marathon FL 33050 Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW3 **Sampled:** 06/23/11 09:57 AM **Desc:** 19255/MW-8

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Vanadium	0.00563	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-62-2	06/30/11
Zinc	0.0800	mg/L	1.00	0.0100	0.0200	10176906	EPA6020	7440-66-6	06/30/11
Chloride	16.1	mg/L	1.00	4.00	8.00	10176951	SM4500-Cl E	16887-00-6	07/02/11
Iron	1.15	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	10.3	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	0.144	mg/L	1.00	0.0100	0.0200	10177099	EPA350.1	7664-41-7	07/06/11
Field DO	0.160	mg/L	1.00	0.100	0.100	10177374	FT1500		06/23/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177627	EPA8011	106-93-4	06/29/11
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	96-12-8	06/29/11

Lab #: 152872GW4 **Sampled:** 06/23/11 10:52 AM **Desc:** 297/MW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10176541	EPA353.2	14797-55-8	06/24/11 01:10 PM
Field Ground Water Elevation	78.2	ft	1.00	-10.0	-10.0	10176763	FT1000		06/23/11
Field pH (units)	6.62	pH	1.00	0.0100	0.0200	10176763	FT1100	C006	06/23/11
Field Conductivity	466	umhos/cm	1.00	0.100	0.100	10176763	FT1200		06/23/11
Field Temp. (C)	27.4	oC	1.00	0.100	0.100	10176763	FT1400		06/23/11
Field Turbidity	2.90	NTU	1.00	0.100	0.100	10176763	FT1600		06/23/11
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11

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Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW4 **Sampled:** 06/23/11 10:52 AM **Desc:** 297/MW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	074-88-4	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11

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Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW4 **Sampled:** 06/23/11 10:52 AM **Desc:** 297/MW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	101.83%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Surr:Bromofluorobenzene (75-132%)	85.50%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	91.77%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
TDS	372	mg/L	1.00	2.50	5.00	10176865	SM2540 C	10-33-3	06/29/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10176906	EPA6020	7440-36-0	06/30/11
Arsenic	0.00357	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-38-2	06/30/11
Barium	0.0322	mg/L	1.00	0.00200	0.00400	10176906	EPA6020	7440-39-3	06/30/11
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10176906	EPA6020	7440-41-7	06/30/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-43-9	06/30/11
Chromium	0.00112 I	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-47-3	06/30/11
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-48-4	06/30/11
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-50-8	06/30/11
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7439-92-1	06/30/11
Nickel	0.00351	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-02-0	06/30/11
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10176906	EPA6020	7782-49-2	06/30/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10176906	EPA6020	7440-22-4	06/30/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-28-0	06/30/11
Vanadium	0.00293	mg/L	1.00	0.00100	0.00200	10176906	EPA6020	7440-62-2	06/30/11
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10176906	EPA6020	7440-66-6	06/30/11
Chloride	31.8	mg/L	1.00	4.00	8.00	10176951	SM4500-Cl E	16887-00-6	07/02/11
Iron	13.1	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	19.0	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	1.18	mg/L	1.00	0.0100	0.0200	10177099	EPA350.1	7664-41-7	07/06/11

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PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW4 **Sampled:** 06/23/11 10:52 AM **Desc:** 297/MW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Field DO	0.300	mg/L	1.00	0.100	0.100	10177374	FT1500		06/23/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177627	EPA8011	106-93-4	06/29/11
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	96-12-8	06/29/11

Lab #: 152872GW5 **Sampled:** 06/23/11 11:25 AM **Desc:** 299/MW-4

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10176541	EPA353.2	14797-55-8	06/24/11 01:11 PM
Field Ground Water Elevation	79.4	ft	1.00	-10.0	-10.0	10176763	FT1000		06/23/11
Field pH (units)	6.02	pH	1.00	0.0100	0.0200	10176763	FT1100	C006	06/23/11
Field Conductivity	199	umhos/cm	1.00	0.100	0.100	10176763	FT1200		06/23/11
Field Temp. (C)	23.3	oC	1.00	0.100	0.100	10176763	FT1400		06/23/11
Field Turbidity	5.70	NTU	1.00	0.100	0.100	10176763	FT1600		06/23/11
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11

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PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW5 **Sampled:** 06/23/11 11:25 AM **Desc:** 299/MW-4

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	074-88-4	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	101.23%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11

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3980 Overseas Hwy Suite 103, Marathon FL 33050 Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW5 **Sampled:** 06/23/11 11:25 AM **Desc:** 299/MW-4

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Surr:Bromofluorobenzene (75-132%)	90.67%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	101.07%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
TDS	270	mg/L	1.00	2.50	5.00	10176865	SM2540 C	10-33-3	06/29/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10176909	EPA6020	7440-36-0	06/30/11
Arsenic	0.0109	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-38-2	06/30/11
Barium	0.0152	mg/L	1.00	0.00200	0.00400	10176909	EPA6020	7440-39-3	06/30/11
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10176909	EPA6020	7440-41-7	06/30/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-43-9	06/30/11
Chromium	0.00565	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-47-3	06/30/11
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-48-4	06/30/11
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-50-8	06/30/11
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7439-92-1	06/30/11
Nickel	0.00265	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-02-0	06/30/11
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10176909	EPA6020	7782-49-2	06/30/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10176909	EPA6020	7440-22-4	06/30/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-28-0	06/30/11
Vanadium	0.0153	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-62-2	06/30/11
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10176909	EPA6020	7440-66-6	06/30/11
Chloride	10.6	mg/L	1.00	4.00	8.00	10176940	SM4500-Cl E	16887-00-6	07/02/11
Iron	9.22	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	7.00	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	0.284	mg/L	1.00	0.0100	0.0200	10177099	EPA350.1	7664-41-7	07/06/11
Field DO	0.240	mg/L	1.00	0.100	0.100	10177374	FT1500		06/23/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177627	EPA8011	106-93-4	06/29/11
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	96-12-8	06/29/11

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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW6 **Sampled:** 06/23/11 11:25 AM **Desc:** 21882/MW-11

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10176541	EPA353.2	14797-55-8	06/24/11 01:12 PM
Field Ground Water Elevation	78.6	ft	1.00	-10.0	-10.0	10176763	FT1000		06/23/11
Field pH (units)	4.85	pH	1.00	0.0100	0.0200	10176763	FT1100	C006	06/23/11
Field Conductivity	56.0	umhos/cm	1.00	0.100	0.100	10176763	FT1200		06/23/11
Field Temp. (C)	25.8	oC	1.00	0.100	0.100	10176763	FT1400		06/23/11
Field Turbidity	10.3	NTU	1.00	0.100	0.100	10176763	FT1600		06/23/11
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11

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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW6 **Sampled:** 06/23/11 11:25 AM **Desc:** 21882/MW-11

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	074-88-4	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	102.97%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Surr:Bromofluorobenzene (75-132%)	91.00%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	98.73%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
TDS	74.0	mg/L	1.00	2.50	5.00	10176865	SM2540 C	10-33-3	06/29/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10176909	EPA6020	7440-36-0	06/30/11
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-38-2	06/30/11
Barium	0.0107	mg/L	1.00	0.00200	0.00400	10176909	EPA6020	7440-39-3	06/30/11

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4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW6 **Sampled:** 06/23/11 11:25 AM **Desc:** 21882/MW-11

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10176909	EPA6020	7440-41-7	06/30/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-43-9	06/30/11
Chromium	0.00261	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-47-3	06/30/11
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-48-4	06/30/11
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-50-8	06/30/11
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7439-92-1	06/30/11
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-02-0	06/30/11
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10176909	EPA6020	7782-49-2	06/30/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10176909	EPA6020	7440-22-4	06/30/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-28-0	06/30/11
Vanadium	0.00521	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-62-2	06/30/11
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10176909	EPA6020	7440-66-6	06/30/11
Chloride	5.22 I	mg/L	1.00	4.00	8.00	10176951	SM4500-Cl E	16887-00-6	07/02/11
Iron	0.349	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	6.01	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10177099	EPA350.1	7664-41-7	07/06/11
Field DO	0.140	mg/L	1.00	0.100	0.100	10177374	FT1500		06/23/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177627	EPA8011	106-93-4	06/29/11
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	96-12-8	06/29/11

Lab #: 152872GW7 **Sampled:** 06/23/11 10:50 AM **Desc:** 22931/MW-12R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10176541	EPA353.2	14797-55-8	06/24/11 01:13 PM
Field Ground Water Elevation	78.8	ft	1.00	-10.0	-10.0	10176763	FT1000		06/23/11
Field pH (units)	5.88	pH	1.00	0.0100	0.0200	10176763	FT1100	C006	06/23/11
Field Conductivity	228	umhos/cm	1.00	0.100	0.100	10176763	FT1200		06/23/11
Field Temp. (C)	25.8	oC	1.00	0.100	0.100	10176763	FT1400		06/23/11
Field Turbidity	4.40	NTU	1.00	0.100	0.100	10176763	FT1600		06/23/11

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4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW7 **Sampled:** 06/23/11 10:50 AM **Desc:** 22931/MW-12R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	074-88-4	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11

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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW7 **Sampled:** 06/23/11 10:50 AM **Desc:** 22931/MW-12R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	105.30%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Surr:Bromofluorobenzene (75-132%)	90.23%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	97.50%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Mercury	0.0000273 I	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
TDS	220	mg/L	1.00	2.50	5.00	10176865	SM2540 C	10-33-3	06/29/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10176909	EPA6020	7440-36-0	06/30/11
Arsenic	0.00491	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-38-2	06/30/11
Barium	0.00621	mg/L	1.00	0.00200	0.00400	10176909	EPA6020	7440-39-3	06/30/11
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10176909	EPA6020	7440-41-7	06/30/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-43-9	06/30/11
Chromium	0.00313	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-47-3	06/30/11
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-48-4	06/30/11
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-50-8	06/30/11
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7439-92-1	06/30/11

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3980 Overseas Hwy Suite 103, Marathon FL 33050 Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW7 **Sampled:** 06/23/11 10:50 AM **Desc:** 22931/MW-12R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nickel	0.00258	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-02-0	06/30/11
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10176909	EPA6020	7782-49-2	06/30/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10176909	EPA6020	7440-22-4	06/30/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-28-0	06/30/11
Vanadium	0.00340	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-62-2	06/30/11
Zinc	0.0187 I	mg/L	1.00	0.0100	0.0200	10176909	EPA6020	7440-66-6	06/30/11
Chloride	17.5	mg/L	1.00	4.00	8.00	10176951	SM4500-Cl E	16887-00-6	07/02/11
Iron	6.60	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	3.31	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	0.251	mg/L	1.00	0.0100	0.0200	10177099	EPA350.1	7664-41-7	07/06/11
Field DO	0.780	mg/L	1.00	0.100	0.100	10177374	FT1500		06/23/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177627	EPA8011	106-93-4	06/29/11
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	96-12-8	06/29/11

Lab #: 152872GW8 **Sampled:** 06/23/11 12:00 PM **Desc:** 22930/MW-10R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Nitrate(as N)	0.0294	mg/L	1.00	0.0100	0.0200	10176541	EPA353.2	14797-55-8	06/24/11	01:14 PM
Field Ground Water Elevation	79.0	ft	1.00	-10.0	-10.0	10176763	FT1000		06/23/11	
Field pH (units)	5.31	pH	1.00	0.0100	0.0200	10176763	FT1100	C006	06/23/11	
Field Conductivity	133	umhos/cm	1.00	0.100	0.100	10176763	FT1200		06/23/11	
Field Temp. (C)	26.4	oC	1.00	0.100	0.100	10176763	FT1400		06/23/11	
Field Turbidity	2.50	NTU	1.00	0.100	0.100	10176763	FT1600		06/23/11	
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11	
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11	
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11	
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11	
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11	
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11	

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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW8 **Sampled:** 06/23/11 12:00 PM **Desc:** 22930/MW-10R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	074-88-4	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11

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PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW8 **Sampled:** 06/23/11 12:00 PM **Desc:** 22930/MW-10R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	103.53%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Surr:Bromofluorobenzene (75-132%)	89.77%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	97.63%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
TDS	112	mg/L	1.00	2.50	5.00	10176865	SM2540 C	10-33-3	06/29/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10176909	EPA6020	7440-36-0	06/30/11
Arsenic	0.00239	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-38-2	06/30/11
Barium	0.0102	mg/L	1.00	0.00200	0.00400	10176909	EPA6020	7440-39-3	06/30/11
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10176909	EPA6020	7440-41-7	06/30/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-43-9	06/30/11
Chromium	0.00209	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-47-3	06/30/11
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-48-4	06/30/11
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-50-8	06/30/11
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7439-92-1	06/30/11
Nickel	0.00103 I	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-02-0	06/30/11
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10176909	EPA6020	7782-49-2	06/30/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10176909	EPA6020	7440-22-4	06/30/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-28-0	06/30/11
Vanadium	0.00294	mg/L	1.00	0.00100	0.00200	10176909	EPA6020	7440-62-2	06/30/11
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10176909	EPA6020	7440-66-6	06/30/11

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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW8 **Sampled:** 06/23/11 12:00 PM **Desc:** 22930/MW-10R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	10.8	mg/L	1.00	4.00	8.00	10176951	SM4500-Cl E	16887-00-6	07/02/11
Iron	12.5	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	10.5	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	0.204	mg/L	1.00	0.0100	0.0200	10177099	EPA350.1	7664-41-7	07/06/11
Field DO	0.150	mg/L	1.00	0.100	0.100	10177374	FT1500		06/23/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177627	EPA8011	106-93-4	06/29/11
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177627	EPA8011	96-12-8	06/29/11

Lab #: 152872GW9 **Sampled:** 06/23/11 12:00 AM **Desc:** Trip blank

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-35-4	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	78-87-5	06/29/11
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	78-93-3	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	67-64-1	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176846	EPA8260	107-13-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176846	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176846	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-15-0	06/29/11

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PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Lab #: 152872GW9 **Sampled:** 06/23/11 12:00 AM **Desc:** Trip blank

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	74-87-3	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176846	EPA8260	124-48-1	06/29/11
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	074-95-3	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-41-4	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	074-88-4	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	106-46-7	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176846	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176846	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-01-5	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176846	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176846	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (84-121%)	104.37%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11
Surr:Bromofluorobenzene (75-132%)	87.47%		1.00	1.00	1.00	10176846	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (87-110%)	98.23%		1.00	0.0100	0.0100	10176846	EPA8260		06/29/11

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PO #: 40612
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Quality Report

Quality Control Batch: 10176541 **Analyst:** PCW

Blank	Result	Units
Nitrate(as N)	0.0100U	mg/L

Quality Control Batch: 10176846 **Analyst:** CLS

Blank	Result	Units
Acetone	5.00U	ug/L
Acrylonitrile	0.300U	ug/L
Benzene	0.500U	ug/L
Bromochloromethane	0.100U	ug/L
Bromodichloromethane	0.100U	ug/L
Bromoform	0.500U	ug/L
Bromomethane	0.500U	ug/L
Carbon Disulfide	1.00U	ug/L
Carbon Tetrachloride	0.500U	ug/L
Chlorobenzene	0.500U	ug/L
Chloroethane	0.500U	ug/L
Chloroform	0.500U	ug/L
Chloromethane	0.500U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
Dibromochloromethane	0.400U	ug/L
Dibromomethane	0.500U	ug/L
Ethylbenzene	0.500U	ug/L
Methyl Iodide	1.00U	ug/L
Methyl isobutyl ketone	1.00U	ug/L
Methylene chloride	1.00U	ug/L

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Quality Control Batch: 10176846 **Analyst:** CLS

Blank	Result	Units
o-dichlorobenzene	0.500U	ug/L
Para-dichlorobenzene	0.500U	ug/L
Styrene	0.500U	ug/L
Tetrachloroethene	0.500U	ug/L
Toluene	0.500U	ug/L
trans-1,2-dichloroethene	0.500U	ug/L
trans-1,3,-Dichloropropene	0.500U	ug/L
trans-1,4-dichloro-2-butene	1.00U	ug/L
Trichloroethene	0.500U	ug/L
Trichlorofluoromethane	0.500U	ug/L
Vinyl Acetate	5.00U	ug/L
Vinyl chloride	0.500U	ug/L
Xylenes	1.00U	ug/L
1,1,1,2-Tetrachloroethane	0.500U	ug/L
1,1,1-Trichloroethane	0.500U	ug/L
1,1,2,2-Tetrachloroethane	0.100U	ug/L
1,1,2-Trichloroethane	0.500U	ug/L
1,1-Dichloroethane	0.500U	ug/L
1,1-Dichloroethene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	26.5	ug/L
Surr:Toluene-d8	28.7	ug/L
Surr:1,2-Dichloroethane-d4	29.4	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acetone	10.7	ug/L	10.0	106.50	51.15-157.90

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Quality Control Batch: 10176846 **Analyst:** CLS

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acrylonitrile	8.95	ug/L	10.0	89.50	80.00-120.00
Benzene	9.68	ug/L	10.0	96.80	70.42-137.66
Bromochloromethane	9.57	ug/L	10.0	95.70	64.69-139.91
Bromodichloromethane	10.0	ug/L	10.0	100.00	80.57-131.50
Bromoform	9.47	ug/L	10.0	94.70	65.15-134.65
Bromomethane	10.1	ug/L	10.0	100.60	49.23-137.75
Carbon Disulfide	9.86	ug/L	10.0	98.60	80.00-120.00
Carbon Tetrachloride	9.28	ug/L	10.0	92.80	72.74-134.61
Chlorobenzene	9.71	ug/L	10.0	97.10	74.89-128.22
Chloroethane	10.0	ug/L	10.0	100.40	80.00-120.00
Chloroform	9.76	ug/L	10.0	97.60	76.82-136.66
Chloromethane	11.3	ug/L	10.0	112.50	60.18-136.22
cis-1,2-dichloroethene	9.11	ug/L	10.0	91.10	70.18-132.42
cis-1,3-Dichloropropene	8.93	ug/L	10.0	89.30	69.72-142.22
Dibromochloromethane	9.74	ug/L	10.0	97.40	70.69-128.78
Ethylbenzene	9.27	ug/L	10.0	92.70	68.31-131.44
Methyl Iodide	9.11	ug/L	10.0	91.10	80.00-120.00
Methyl isobutyl ketone	8.56	ug/L	10.0	85.60	80.00-120.00
Methylene chloride	10.8	ug/L	10.0	108.40	54.47-155.30
o-dichlorobenzene	9.33	ug/L	10.0	93.30	51.26-144.65
Para-dichlorobenzene	9.71	ug/L	10.0	97.10	56.53-141.72
Styrene	9.38	ug/L	10.0	93.80	57.27-130.24
Tetrachloroethene	9.84	ug/L	10.0	98.40	50.71-191.89
Toluene	9.75	ug/L	10.0	97.50	73.02-130.97
trans-1,2-dichloroethene	9.45	ug/L	10.0	94.50	70.05-139.06
trans-1,3,-Dichloropropene	9.26	ug/L	10.0	92.60	61.78-143.04
Trichloroethene	9.52	ug/L	10.0	95.20	81.23-141.57
Trichlorofluoromethane	9.03	ug/L	10.0	90.30	36.75-164.71
Vinyl chloride	10.1	ug/L	10.0	100.50	69.17-140.68

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Quality Control Batch: 10176846 **Analyst:** CLS

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Xylenes	27.7	ug/L	30.0	92.17	68.04-129.87
1,1,1,2-Tetrachloroethane	9.69	ug/L	10.0	96.90	61.24-142.86
1,1,1-Trichloroethane	9.83	ug/L	10.0	98.30	76.02-135.73
1,1,2,2-Tetrachloroethane	9.74	ug/L	10.0	97.40	63.64-152.36
1,1,2-Trichloroethane	9.69	ug/L	10.0	96.90	75.93-124.33
1,1-Dichloroethane	9.84	ug/L	10.0	98.40	66.99-142.36
1,1-Dichloroethene	9.34	ug/L	10.0	93.40	49.57-159.30
1,2-dichloroethane	9.34	ug/L	10.0	93.40	76.86-131.72
1,2-dichloropropane	9.79	ug/L	10.0	97.90	73.57-129.12
2-Butanone (MEK)	9.55	ug/L	10.0	95.50	80.00-120.00
2-Hexanone	8.67	ug/L	10.0	86.70	80.00-120.00
Surr:Bromofluorobenzene	29.9	ug/L	30.0	99.80	75.85-132.38
Surr:Toluene-d8	29.8	ug/L	30.0	99.20	87.56-110.87
Surr:1,2-Dichloroethane-d4	30.1	ug/L	30.0	100.30	84.13-121.28

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	18.7	ug/L	20.0	93.45	48.58-157.20	5.00U
Acrylonitrile	15.1	ug/L	20.0	75.65	80.00-120.00	0.300U
Benzene	15.3	ug/L	20.0	76.40	76.49-132.70	0.500U
Bromochloromethane	15.6	ug/L	20.0	78.05	71.53-136.91	0.100U
Bromodichloromethane	21.7	ug/L	20.0	82.80	80.35-134.02	5.11
Bromoform	15.0	ug/L	20.0	75.05	66.58-139.52	0.500U
Bromomethane	15.9	ug/L	20.0	79.45	53.49-133.35	0.500U
Carbon Tetrachloride	16.0	ug/L	20.0	80.10	74.03-136.77	0.500U
Chlorobenzene	15.1	ug/L	20.0	75.35	74.48-128.37	0.500U
Chloroethane	15.6	ug/L	20.0	78.00	44.04-169.36	0.500U
Chloroform	70.1	ug/L	20.0	113.35	80.45-133.10	47.4
Chloromethane	17.3	ug/L	20.0	86.55	71.96-136.88	0.500U
cis-1,2-dichloroethene	15.7	ug/L	20.0	78.60	72.84-132.90	0.200U

FLOWERS CHEMICAL LABORATORIES INC.

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571 NW Mercantile Pl. Suite 111, Port St. Lucie FL 34986 / Phone: 772-343-8006 / Fax: 772-343-8089 / E86562 (South Lab)
P.O. Box 1200, Madison FL 32341 / Phone: 850-973-6878 / Fax: 850-973-6878 / E82405 (North Lab)
3980 Overseas Hwy Suite 103, Marathon FL 33050 / Phone: 305-743-8598 / Fax: 305-743-8598 / E35834 (Keys Lab)

Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Quality Control Batch: 10176846 **Analyst:** CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
cis-1,3-Dichloropropene	15.2	ug/L	20.0	75.80	66.65-149.92	0.500U
Dibromochloromethane	15.5	ug/L	20.0	77.55	73.20-128.33	0.400U
Ethylbenzene	15.1	ug/L	20.0	75.50	53.54-146.61	0.500U
Methyl Iodide	16.1	ug/L	20.0	80.30	80.00-120.00	1.00U
Methyl isobutyl ketone	13.9	ug/L	20.0	69.70	80.00-120.00	1.00U
Methylene chloride	14.8	ug/L	20.0	74.00	61.72-142.80	1.00U
o-dichlorobenzene	15.4	ug/L	20.0	77.20	64.79-140.04	0.500U
Para-dichlorobenzene	16.1	ug/L	20.0	80.30	70.06-134.07	0.500U
Styrene	15.1	ug/L	20.0	75.70	66.39-131.36	0.500U
Tetrachloroethene	15.1	ug/L	20.0	75.65	49.24-187.15	0.500U
Toluene	15.4	ug/L	20.0	76.90	73.60-133.71	0.500U
trans-1,2-dichloroethene	15.7	ug/L	20.0	78.65	72.55-139.59	0.500U
trans-1,3,-Dichloropropene	15.3	ug/L	20.0	76.55	69.93-143.42	0.500U
Trichloroethene	15.6	ug/L	20.0	77.85	83.21-134.86	0.500U
Trichlorofluoromethane	15.2	ug/L	20.0	76.00	40.12-153.40	0.500U
Vinyl chloride	16.3	ug/L	20.0	81.25	71.25-142.64	0.500U
Xylenes	45.6	ug/L	60.0	76.07	68.98-134.27	1.00U
1,1,1,2-Tetrachloroethane	15.0	ug/L	20.0	75.10	70.73-138.16	0.500U
1,1,1-Trichloroethane	15.9	ug/L	20.0	79.60	78.97-134.26	0.500U
1,1,2,2-Tetrachloroethane	14.9	ug/L	20.0	74.25	60.08-153.97	0.100U
1,1,2-Trichloroethane	15.0	ug/L	20.0	74.95	73.69-128.19	0.500U
1,1-Dichloroethane	16.6	ug/L	20.0	83.15	76.18-139.46	0.500U
1,1-Dichloroethene	16.9	ug/L	20.0	84.65	51.00-158.49	0.500U
1,2-dichloroethane	15.0	ug/L	20.0	74.90	80.02-129.19	0.500U
1,2-dichloropropane	15.7	ug/L	20.0	78.50	69.39-136.32	0.200U
2-Butanone (MEK)	16.7	ug/L	20.0	83.45	80.00-120.00	0.500U
2-Hexanone	14.3	ug/L	20.0	71.45	80.00-120.00	0.500U
Surr:Bromofluorobenzene	28.9	ug/L	30.0	96.23	77.01-140.59	
Surr:Toluene-d8	29.4	ug/L	30.0	98.07	85.38-111.29	

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PO #: 40612
Client Project #: Hardee County Regional Landfil
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Quality Control Batch: 10176846 **Analyst:** CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Surr:1,2-Dichloroethane-d4	29.0	ug/L	30.0	96.67	83.37-119.61	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	22.3	ug/L	20.0	111.70	48.58-157.20	5.00U	17.79	40.59
Acrylonitrile	17.4	ug/L	20.0	86.80	80.00-120.00	0.300U	13.73	20.00
Benzene	16.6	ug/L	20.0	83.05	76.49-132.70	0.500U	8.34	31.37
Bromochloromethane	17.0	ug/L	20.0	85.20	71.53-136.91	0.100U	8.76	36.99
Bromodichloromethane	24.2	ug/L	20.0	95.50	80.35-134.02	5.11	11.07	32.02
Bromoform	18.3	ug/L	20.0	91.45	66.58-139.52	0.500U	19.70	12.35
Bromomethane	18.8	ug/L	20.0	93.95	53.49-133.35	0.500U	16.72	46.52
Carbon Tetrachloride	17.2	ug/L	20.0	86.20	74.03-136.77	0.500U	7.34	33.30
Chlorobenzene	18.1	ug/L	20.0	90.70	74.48-128.37	0.500U	18.49	34.73
Chloroethane	17.2	ug/L	20.0	85.75	44.04-169.36	0.500U	9.47	20.00
Chloroform	71.3	ug/L	20.0	119.60	80.45-133.10	47.4	1.77	29.47
Chloromethane	19.9	ug/L	20.0	99.35	71.96-136.88	0.500U	13.77	36.88
cis-1,2-dichloroethene	17.3	ug/L	20.0	86.65	72.84-132.90	0.200U	9.74	35.49
cis-1,3-Dichloropropene	17.7	ug/L	20.0	88.50	66.65-149.92	0.500U	15.46	39.26
Dibromochloromethane	18.2	ug/L	20.0	91.10	73.20-128.33	0.400U	16.07	31.10
Ethylbenzene	17.7	ug/L	20.0	88.40	53.54-146.61	0.500U	15.74	36.82
Methyl Iodide	18.7	ug/L	20.0	93.55	80.00-120.00	1.00U	15.24	20.00
Methyl isobutyl ketone	17.4	ug/L	20.0	87.15	80.00-120.00	1.00U	22.25	20.00
Methylene chloride	16.0	ug/L	20.0	79.80	61.72-142.80	1.00U	7.54	30.39
o-dichlorobenzene	17.5	ug/L	20.0	87.25	64.79-140.04	0.500U	12.22	22.74
Para-dichlorobenzene	17.9	ug/L	20.0	89.50	70.06-134.07	0.500U	10.84	20.35
Styrene	17.7	ug/L	20.0	88.55	66.39-131.36	0.500U	15.65	34.98
Tetrachloroethene	17.1	ug/L	20.0	85.55	49.24-187.15	0.500U	12.28	34.56
Toluene	17.9	ug/L	20.0	89.45	73.60-133.71	0.500U	15.09	36.26
trans-1,2-dichloroethene	17.4	ug/L	20.0	87.15	72.55-139.59	0.500U	10.25	37.62
trans-1,3,-Dichloropropene	17.9	ug/L	20.0	89.65	69.93-143.42	0.500U	15.76	35.30

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Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Trichloroethene	18.4	ug/L	20.0	92.05	83.21-134.86	0.500U	16.72	32.42
Trichlorofluoromethane	16.1	ug/L	20.0	80.50	40.12-153.40	0.500U	5.75	47.77
Vinyl chloride	17.8	ug/L	20.0	89.00	71.25-142.64	0.500U	9.10	30.35
Xylenes	52.8	ug/L	60.0	87.97	68.98-134.27	1.00U	14.51	37.10
1,1,1,2-Tetrachloroethane	17.7	ug/L	20.0	88.60	70.73-138.16	0.500U	16.49	40.69
1,1,1-Trichloroethane	17.0	ug/L	20.0	84.95	78.97-134.26	0.500U	6.50	31.91
1,1,2,2-Tetrachloroethane	17.4	ug/L	20.0	86.95	60.08-153.97	0.100U	15.76	20.00
1,1,2-Trichloroethane	17.3	ug/L	20.0	86.50	73.69-128.19	0.500U	14.31	35.63
1,1-Dichloroethane	18.1	ug/L	20.0	90.55	76.18-139.46	0.500U	8.52	36.81
1,1-Dichloroethene	18.9	ug/L	20.0	94.40	51.00-158.49	0.500U	10.89	41.54
1,2-dichloroethane	16.7	ug/L	20.0	83.60	80.02-129.19	0.500U	10.98	31.30
1,2-dichloropropane	18.1	ug/L	20.0	90.55	69.39-136.32	0.200U	14.26	37.43
2-Butanone (MEK)	17.9	ug/L	20.0	89.60	80.00-120.00	0.500U	7.11	20.00
2-Hexanone	17.1	ug/L	20.0	85.70	80.00-120.00	0.500U	18.14	20.00
Surr:Bromofluorobenzene	30.5	ug/L	30.0	101.73	77.01-140.59		5.56	12.41
Surr:Toluene-d8	30.2	ug/L	30.0	100.73	85.38-111.29		2.68	4.32
Surr:1,2-Dichloroethane-d4	27.9	ug/L	30.0	92.83	83.37-119.61		4.05	8.87

Quality Control Batch: 10176854 **Analyst:** EVB

Blank	Result	Units
Mercury	0.0000200U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Mercury	0.000998	mg/L	0.00100	99.84	90.27-115.31

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Mercury	0.00269	mg/L	0.00300	89.77	81.00-122.08	0.0000200U

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim

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Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00317	mg/L	0.00300	105.57	81.00-122.08	0.0000200U	16.18	8.88

Quality Control Batch: 10176865 **Analyst:** PLB

Blank	Result	Units
TDS	2.50U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
TDS	1550	mg/L	1500	103.07	91.15-105.70

Quality Control Batch: 10176906 **Analyst:** EVB

Blank	Result	Units
Antimony	0.00200U	mg/L
Arsenic	0.00100U	mg/L
Barium	0.00200U	mg/L
Beryllium	0.000500U	mg/L
Cadmium	0.00100U	mg/L
Chromium	0.00100U	mg/L
Cobalt	0.00100U	mg/L
Copper	0.00100U	mg/L
Lead	0.00100U	mg/L
Nickel	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.000500U	mg/L
Thallium	0.00100U	mg/L
Vanadium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim

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Quality Control Batch: 10176906 **Analyst:** EVB

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.183	mg/L	0.200	91.45	78.21-121.23
Arsenic	0.208	mg/L	0.200	103.98	77.97-118.12
Barium	0.216	mg/L	0.200	107.81	87.71-124.03
Beryllium	0.206	mg/L	0.200	102.82	86.54-129.99
Cadmium	0.208	mg/L	0.200	103.86	80.28-119.66
Chromium	0.202	mg/L	0.200	101.21	79.68-122.67
Cobalt	0.209	mg/L	0.200	104.68	75.47-125.43
Copper	0.202	mg/L	0.200	101.14	75.93-125.03
Lead	0.187	mg/L	0.200	93.45	84.18-120.50
Nickel	0.203	mg/L	0.200	101.69	77.04-123.91
Selenium	0.209	mg/L	0.200	104.59	73.74-123.68
Silver	0.185	mg/L	0.200	92.68	78.31-122.44
Thallium	0.206	mg/L	0.200	103.13	82.56-123.13
Vanadium	0.223	mg/L	0.200	111.54	75.43-127.05
Zinc	0.219	mg/L	0.200	109.50	75.55-123.30

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.206	mg/L	0.200	103.06	72.18-142.01	0.00200U
Arsenic	0.188	mg/L	0.200	92.35	76.02-142.56	0.00317
Barium	0.265	mg/L	0.200	114.07	67.36-158.64	0.0365
Beryllium	0.181	mg/L	0.200	90.44	91.18-152.89	0.000500U
Cadmium	0.198	mg/L	0.200	99.11	77.92-136.42	0.00100U
Chromium	0.211	mg/L	0.200	103.73	72.27-142.06	0.00364
Cobalt	0.207	mg/L	0.200	102.93	69.22-139.08	0.00159
Copper	0.192	mg/L	0.200	92.22	49.37-149.77	0.00722
Lead	0.215	mg/L	0.200	106.54	65.56-145.73	0.00213
Nickel	0.205	mg/L	0.200	96.22	65.47-134.19	0.0126
Selenium	0.166	mg/L	0.200	81.39	57.06-150.58	0.00324
Silver	0.148	mg/L	0.200	73.45	49.80-146.63	0.00114

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Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Thallium	0.210	mg/L	0.200	104.97	62.20-153.09	0.00100U
Vanadium	0.229	mg/L	0.200	110.24	71.20-143.90	0.00802
Zinc	0.229	mg/L	0.200	92.44	40.77-155.82	0.0442

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.203	mg/L	0.200	101.57	72.18-142.01	0.00200U	1.46	26.68
Arsenic	0.186	mg/L	0.200	91.56	76.02-142.56	0.00317	0.85	22.42
Barium	0.267	mg/L	0.200	115.24	67.36-158.64	0.0365	0.88	35.38
Beryllium	0.182	mg/L	0.200	90.94	91.18-152.89	0.000500U	0.55	24.78
Cadmium	0.197	mg/L	0.200	98.32	77.92-136.42	0.00100U	0.81	21.10
Chromium	0.213	mg/L	0.200	104.62	72.27-142.06	0.00364	0.84	21.22
Cobalt	0.213	mg/L	0.200	105.51	69.22-139.08	0.00159	2.47	28.10
Copper	0.194	mg/L	0.200	93.40	49.37-149.77	0.00722	1.22	28.99
Lead	0.219	mg/L	0.200	108.54	65.56-145.73	0.00213	1.85	26.53
Nickel	0.204	mg/L	0.200	95.62	65.47-134.19	0.0126	0.59	30.10
Selenium	0.165	mg/L	0.200	80.72	57.06-150.58	0.00324	0.82	25.49
Silver	0.145	mg/L	0.200	71.86	49.80-146.63	0.00114	2.16	37.01
Thallium	0.216	mg/L	0.200	107.89	62.20-153.09	0.00100U	2.73	24.80
Vanadium	0.234	mg/L	0.200	113.15	71.20-143.90	0.00802	2.52	28.47
Zinc	0.226	mg/L	0.200	90.82	40.77-155.82	0.0442	1.42	28.40

Quality Control Batch: 10176909 **Analyst:** EVB

Blank	Result	Units
Antimony	0.00200U	mg/L
Arsenic	0.00100U	mg/L
Barium	0.00200U	mg/L
Beryllium	0.000500U	mg/L
Cadmium	0.00100U	mg/L
Chromium	0.00100U	mg/L

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Quality Control Batch: 10176909 **Analyst:** EVB

Blank	Result	Units
Cobalt	0.00100U	mg/L
Copper	0.00100U	mg/L
Lead	0.00100U	mg/L
Nickel	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.000500U	mg/L
Thallium	0.00100U	mg/L
Vanadium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.186	mg/L	0.200	93.11	76.70-120.39
Arsenic	0.203	mg/L	0.200	101.31	81.09-119.32
Barium	0.205	mg/L	0.200	102.59	84.59-125.11
Beryllium	0.207	mg/L	0.200	103.64	85.69-132.22
Cadmium	0.210	mg/L	0.200	104.94	84.66-121.81
Chromium	0.207	mg/L	0.200	103.42	87.00-122.96
Cobalt	0.212	mg/L	0.200	105.99	78.66-126.98
Copper	0.203	mg/L	0.200	101.62	84.08-122.69
Lead	0.185	mg/L	0.200	92.60	86.91-124.18
Nickel	0.201	mg/L	0.200	100.60	77.31-126.31
Selenium	0.200	mg/L	0.200	99.76	75.98-121.42
Silver	0.183	mg/L	0.200	91.54	79.76-119.92
Thallium	0.228	mg/L	0.200	113.80	80.95-125.84
Vanadium	0.224	mg/L	0.200	111.88	78.51-125.51
Zinc	0.222	mg/L	0.200	111.02	79.82-122.80

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.198	mg/L	0.200	99.04	73.48-142.27	0.00200U

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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa,FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfil
Date Sampled: Jun 23, 2011
Jul 12, 2011; Invoice: 152872

Quality Control Batch: 10176909 **Analyst:** EVB

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Arsenic	0.194	mg/L	0.200	91.44	73.05-140.45	0.0109
Barium	0.266	mg/L	0.200	125.39	70.68-156.87	0.0152
Beryllium	0.191	mg/L	0.200	95.38	89.27-154.67	0.000500U
Cadmium	0.198	mg/L	0.200	98.96	76.87-137.80	0.00100U
Chromium	0.193	mg/L	0.200	93.86	67.91-144.29	0.00565
Cobalt	0.207	mg/L	0.200	103.60	68.92-150.01	0.00100U
Copper	0.178	mg/L	0.200	88.91	57.64-148.77	0.00100U
Lead	0.201	mg/L	0.200	100.74	69.09-150.83	0.00100U
Nickel	0.193	mg/L	0.200	94.96	58.01-145.27	0.00265
Selenium	0.159	mg/L	0.200	79.49	63.72-144.34	0.00200U
Silver	0.182	mg/L	0.200	90.86	48.94-146.79	0.000500U
Thallium	0.248	mg/L	0.200	124.16	68.93-151.79	0.00100U
Vanadium	0.232	mg/L	0.200	108.58	72.08-149.74	0.0153
Zinc	0.150	mg/L	0.200	74.97	51.79-149.89	0.0100U

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.195	mg/L	0.200	97.36	73.48-142.27	0.00200U	1.71	23.91
Arsenic	0.194	mg/L	0.200	91.78	73.05-140.45	0.0109	0.35	26.42
Barium	0.263	mg/L	0.200	123.75	70.68-156.87	0.0152	1.24	20.91
Beryllium	0.190	mg/L	0.200	94.94	89.27-154.67	0.000500U	0.46	22.45
Cadmium	0.194	mg/L	0.200	96.90	76.87-137.80	0.00100U	2.11	24.42
Chromium	0.196	mg/L	0.200	95.42	67.91-144.29	0.00565	1.60	26.93
Cobalt	0.207	mg/L	0.200	103.26	68.92-150.01	0.00100U	0.32	20.94
Copper	0.179	mg/L	0.200	89.59	57.64-148.77	0.00100U	0.76	26.04
Lead	0.204	mg/L	0.200	101.84	69.09-150.83	0.00100U	1.09	26.35
Nickel	0.193	mg/L	0.200	94.95	58.01-145.27	0.00265	0.01	25.87
Selenium	0.157	mg/L	0.200	78.57	63.72-144.34	0.00200U	1.16	23.19
Silver	0.183	mg/L	0.200	91.61	48.94-146.79	0.000500U	0.82	25.78
Thallium	0.251	mg/L	0.200	125.69	68.93-151.79	0.00100U	1.23	22.45

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Quality Control Batch: 10176909 **Analyst:** EVB

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Vanadium	0.235	mg/L	0.200	109.77	72.08-149.74	0.0153	1.02	21.04
Zinc	0.149	mg/L	0.200	74.73	51.79-149.89	0.0100U	0.32	25.51

Quality Control Batch: 10176940 **Analyst:** VLB

Blank	Result	Units
Chloride	4.00U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Chloride	20.4	mg/L	20.0	101.85	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Chloride	64.9	mg/L	50.0	108.46	80.00-120.00	10.6

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	59.6	mg/L	50.0	97.94	80.00-120.00	10.6	8.45	20.00

Quality Control Batch: 10176951 **Analyst:** VLB

Blank	Result	Units
Chloride	4.00U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Chloride	47.9	mg/L	50.0	95.70	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Chloride	56.3	mg/L	50.0	102.14	80.00-120.00	5.22

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	52.4	mg/L	50.0	94.30	80.00-120.00	5.22	7.22	20.00

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Quality Control Batch: 10177073 **Analyst:** EVB

Blank	Result	Units
Iron	0.0100U	mg/L
Sodium	0.500U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Iron	5.33	mg/L	5.00	106.60	81.21-113.54
Sodium	5.25	mg/L	5.00	104.98	78.62-112.15

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Iron	5.30	mg/L	5.00	79.78	57.02-147.60	1.31
Sodium	673	mg/L	5.00	65.74	37.63-161.64	669

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Iron	5.45	mg/L	5.00	82.86	57.02-147.60	1.31	2.87	19.53
Sodium	673	mg/L	5.00	74.24	37.63-161.64	669	0.06	19.20

Quality Control Batch: 10177099 **Analyst:** PCW

Blank	Result	Units
Ammonia (as N)	0.0100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Ammonia (as N)	0.499	mg/L	0.500	99.80	81.97-117.96

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Ammonia (as N)	1.03	mg/L	0.780	78.33	55.89-136.14	0.419

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	1.03	mg/L	0.780	78.33	55.89-136.14	0.419	0.00	13.58

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Quality Control Batch: 10177627 **Analyst:** DLJ

Blank	Result	Units
1,2,3-Trichloropropane	0.0200U	ug/L
1,2-Dibromoethane (EDB)	0.0100U	ug/L
1,2-dibromo-3-chloropropane	0.0200U	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
1,2,3-Trichloropropane	0.744	ug/L	0.750	99.24	80.00-120.00
1,2-Dibromoethane (EDB)	0.892	ug/L	0.750	118.87	80.00-120.00
1,2-dibromo-3-chloropropane	0.822	ug/L	0.750	109.61	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
1,2,3-Trichloropropane	0.847	ug/L	0.750	112.92	80.00-120.00	0.0200U
1,2-Dibromoethane (EDB)	0.806	ug/L	0.750	107.41	80.00-120.00	0.0100U
1,2-dibromo-3-chloropropane	0.762	ug/L	0.750	101.65	80.00-120.00	0.0200U

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2,3-Trichloropropane	0.780	ug/L	0.750	103.99	80.00-120.00	0.0200U	8.24	20.00
1,2-Dibromoethane (EDB)	0.788	ug/L	0.750	105.07	80.00-120.00	0.0100U	2.21	20.00
1,2-dibromo-3-chloropropane	0.769	ug/L	0.750	102.57	80.00-120.00	0.0200U	0.90	20.00

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Narrative Report

Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by FCL. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments
Chain of Custody
Field Data

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.