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SW  
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August 21, 2012

AUG 23 2012

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

Dept. of Environmental  
Protection  
Southwest District

Re: **Review of Semi-Annual Sampling Results**  
**First Half 2012 Sampling Event**  
**Hardee County Landfill**  
**WACS Facility ID No. SWD/25/40612**  
**Permit No. 38414-011-SO**

Dear Mr. Morris:

On behalf of the Hardee County Solid Waste Department, Atkins presents this review of the results of the first half of 2012 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 12 other piezometers. Please note that former piezometers P-1, P-2, and P-15 have been 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 typically collected during the first half sampling event of each year and are analyzed for the laboratory analytes listed in the referenced specific condition. In June 2012, sampling of the leachate was attempted at both locations during the first half sampling event. However, no leachate (liquid) sufficient for sampling was available at the Phase II collection/detection riser, so the only leachate sample collected was from Manhole 9.

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 2012 SAMPLING EVENT

The first half 2012 sampling event was conducted on June 26 and June 27, 2012. 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 was performed by Atkins personnel, 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 2012 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 southerly direction at the time of this sampling event. The water table gradient measured approximately 0.00146 feet per foot beneath the site (as measured between well MW-1 and piezometer P-8).

### Sampling Results

A description of the detections in the groundwater, surface water, and leachate is presented below.

#### Groundwater Analytical Results

There were numerous inorganic analytes detected and one organic analyte (chloromethane) 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, mercury, selenium, and silver. 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 four analytes detected at concentrations that did not comply with their standards –chloromethane, pH, iron, and TDS. pH, iron, and TDS have SDWS criteria, while the criteria for chloromethane are provided in Chapter 62-777 FAC. A description of the detection patterns with these four analytes is described below.

- pH - The standard for pH is any value within the range of 6.5 to 8.5. The pH values at all of the wells were below 6.5, and the pH measured as low as 3.8 at well MW-11. The pH values at both of the background monitoring wells, MW-1 and MW-4, were lower than the standard range.

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- Iron - The standard for iron is 0.3 milligrams per liter (mg/L). The iron concentration in the samples collected at all wells except MW-11 and MW-12R exceeded the standard. The iron concentrations at both of the background wells were higher than the standard.
- TDS - The standard for TDS is 500 mg/L. The TDS concentration at MW-4 exceeded the standard. MW-4 is designated as a background well.
- Chloromethane – The standard for chloromethane is 2.7 micrograms per liter (ug/L). The chloromethane concentration at MW-12R exceeded the standard. It should be noted that chloromethane was also present in MW-1, which is a background monitoring well.

Monitoring at this site has also been closely tracking arsenic concentrations in MW-4. The standard for arsenic is 0.01 mg/L. In December 2011, the arsenic concentration slightly exceeded the standard in the sample from MW-4. However, during June 2012, the arsenic concentration in this well was just below the standard (at a value of 0.00968 mg/L). MW-4 is designated as a background well.

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. 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**. Due to a laboratory error, Phenolics and Ammonia (as N) were inadvertently omitted from the list of parameters analyzed. These parameters will be sampled during the next sampling event. The fecal coliform sample was received at the lab outside of the hold time; an attempt will be made to ensure delivery of this sample to the lab within the (very short) hold time during the next sampling event. (Note: Surface water sample SW-2 was inadvertently labeled as "SW-1" in the field and on the laboratory chain-of-custody. All laboratory reports and field data that reference "SW-1" are actually for sampling location SW-2).

#### Leachate Water Analytical Results

Specific Condition E.9.a of the facility permit specifies that leachate samples be collected from two locations. The collection points are Manhole 9 (Phase I) and the Phase II Leachate Collection/Detection Riser. Sampling occurred on June 27, 2012, 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 two organic analytes (acetone and 2-Butanone) 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

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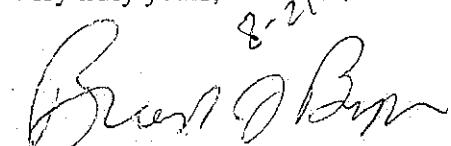
Florida solid waste regulations. There were no analytes in the leachate that exceeded the above-referenced criteria. A summary of the leachate water analytical results is presented in **Table 4** and the laboratory analytical report is provided in **Attachment C**.

### SUMMARY AND CONCLUSIONS

The results of the first half 2012 sampling event at the Hardee County Solid Waste Disposal Facility were consistent with those of the recent sampling events, with numerous inorganic analyte detections in the groundwater and surface water, and very few organic analyte detections. There were four analytes detected outside of the regulatory standards: chloromethane, pH, iron, and TDS were detected in the groundwater at concentrations in excess of the regulatory criteria. It should be noted that the most notable parameters that were not in compliance with standards in the groundwater (pH and iron) were also not in compliance with standards in the background monitoring wells.

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 evaluated closely for any developing trends. If you have any questions regarding the information presented in this report, please call me at (813) 281-8377 or Dave Deans at (407) 806-4104.

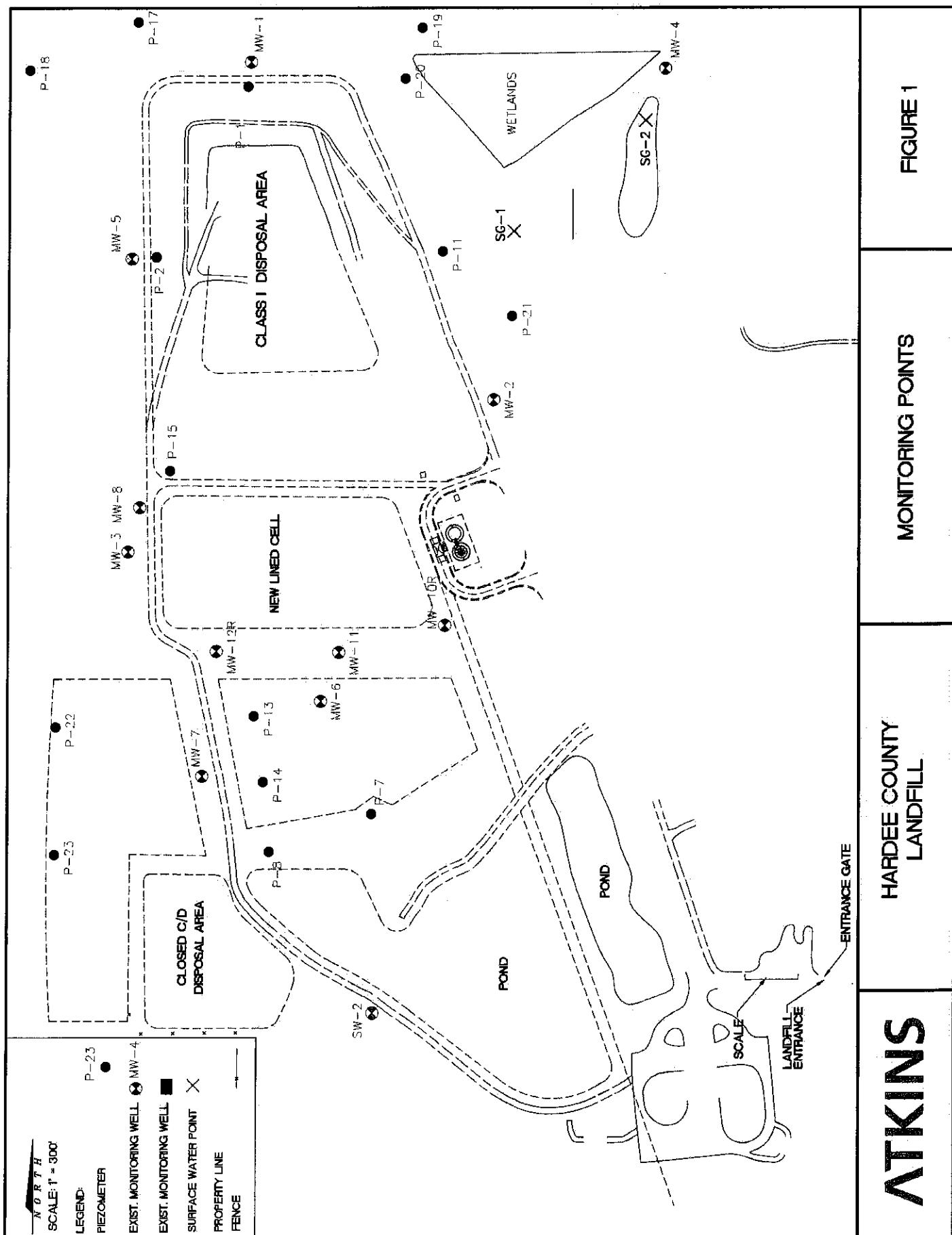
Very truly yours,

  
8-21-12

Bradley J. Bayne, PG  
Senior Scientist  
Florida PG No. 1733

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

## **FIGURES**

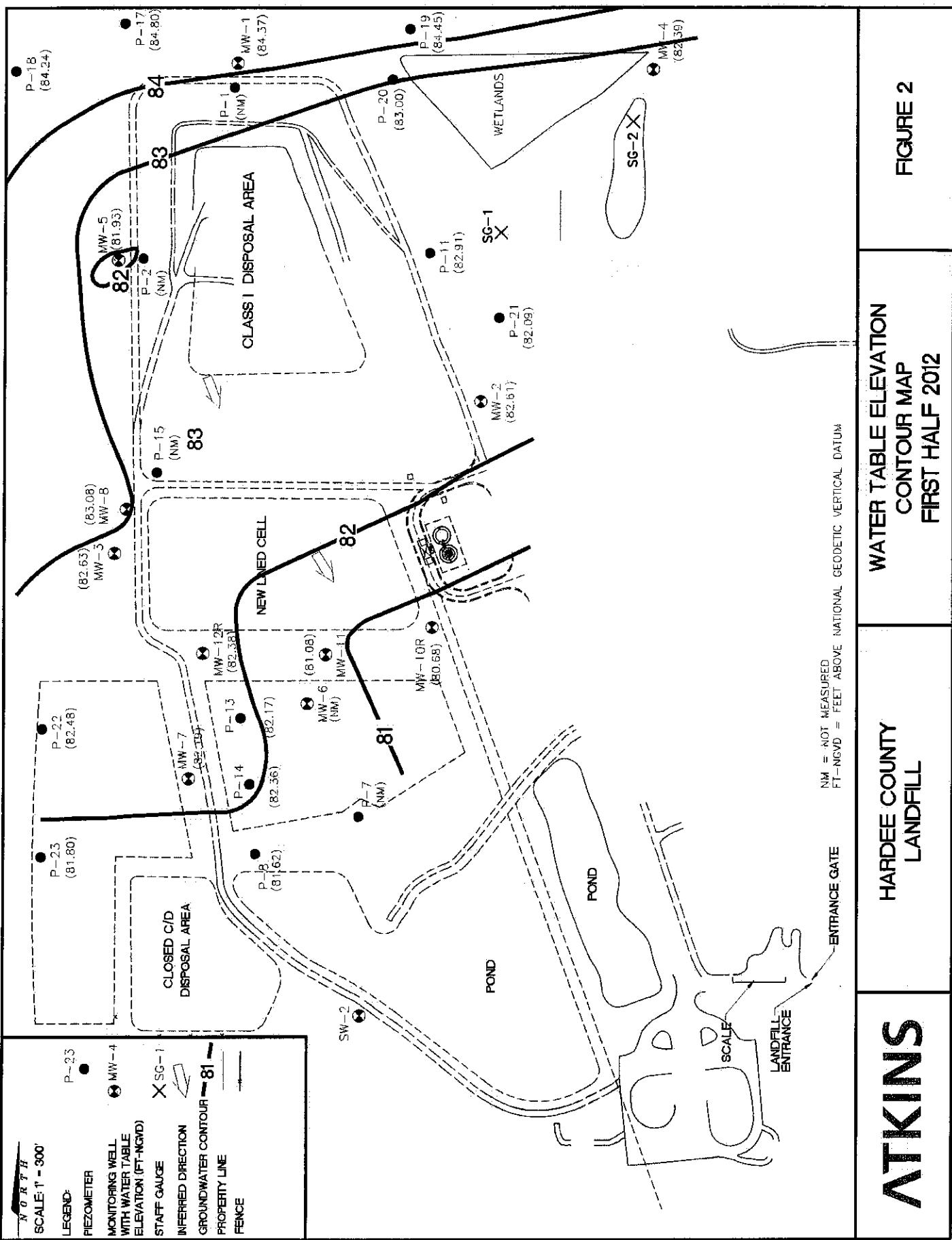


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## HARDEE COUNTY LANDFILL

## MONITORING POINTS

FIGURE 1



## **TABLES**

**Table 1**  
**Groundwater Elevation Data**  
**Hardee County Landfill**  
**First Half 2012**

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)
<b>Monitoring Wells</b>						
MW-1	87.97	86.24	11.00	4	3.60	84.37
MW-2	85.86	83.75	10.50	4	3.25	82.61
MW-4	87.16	84.09	18.90	2	4.77	82.39
MW-5	88.76	85.83	18.10	2	6.83	81.93
MW-8	88.98	85.80	13.50	2	5.90	83.08
MW-10R	88.56	85.49	15.12	2	7.88	80.68
MW-11	88.11	85.17	13.90	2	7.03	81.08
MW-12R	89.00	85.71	23.25	2	6.62	82.38
<b>Piezometers</b>						
MW-3	88.06	86.46	NA	2	5.43	82.63
MW-6	88.25	85.06	NA	2	NM*	NM*
MW-7	87.88	84.98	NA	2	5.69	82.19
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	NM*	NM*
P-8	85.32	83.25	NA	2	3.70	81.62
P-11	88.69	86.16	NA	2	5.78	82.91
P-13	87.96	87.98	NA	2	5.79	82.17
P-14	87.31	84.05	NA	2	4.95	82.36
P-15	87.72	89.62	NA	2	NM*	NM*
P-17	88.82	85.88	NA	2	4.02	84.80
P-18	88.74	84.37	NA	2	4.50	84.24
P-19	86.73	84.14	NA	2	2.28	84.45
P-20	87.6	84.68	NA	2	4.60	83.00
P-21	86.63	83.57	NA	2	4.54	82.09
P-22	87.04	84.09	NA	2	4.56	82.48
P-23	86.45	83.71	NA	2	4.65	81.80

NM\* = Not measured, recently abandoned.

**Table 2**  
**Groundwater Analytical Summary**  
**Hardee County Landfill**  
**First Half 2012**

Analyte	Monitoring Well:		MW-1	MW-2	MW-4	MW-5	MW-8	MW-10R	MW-11	MW-12R
	Sample Date:		6/26/2012	6/26/2012	6/26/2012	6/26/2012	6/26/2012	6/26/2012	6/26/2012	6/26/2012
	Standard <sup>(1)</sup>	Units								
<b>Field Measurements</b>										
Groundwater Elevation	R		84.37	82.61	82.39	81.93	83.08	80.68	81.08	82.38
Temperature	deg. C		26.5	26.10	24.50	27.10	27.83	25.08	25.23	26.5
pH	6.5-8.5		4.28	6.35	5.71	4.72	5.73	5.54	3.8	5.81
Conductivity	µmhos/cm		0.186	0.412	0.742	0.201	0.377	0.389	0.116	0.288
Dissolved Oxygen (DO)	mg/l		3.63	2.85	3.01	4.32	4.12	4.28	7.68	4.94
Turbidity	NTU		6.07	2.20	3.07	3.49	4.15	8.88	8.88	2.66
<b>Inorganics</b>										
Nitrate (as N)	10	mg/l	0.0100 U	0.0100 U	0.0100 U	0.32	0.0100 U	0.144	1.01	1.07
TDS	500	mg/l	252	312	698	140	288	242	56	268
Chloride	250	mg/l	35.6	11.8	35.7	9.26	7.051	16.2	17.9	41.54
Antimony	0.006	ug/l	0.00200 U							
Arsenic	0.01	ug/l	0.00382	0.001691	0.00968	0.001211	0.001211	0.02265	0.00100 U	0.00100 U
Barium	2	ug/l	0.0118	0.0235	0.0139	0.02351	0.00200 U	0.0113	0.0140	0.002241
Beryllium	0.004	ug/l	0.0005 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U
Cadmium	0.005	ug/l	0.00100 U							
Chromium	0.1	ug/l	0.00243	0.00100 U	0.00229	0.001191	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Cobalt		ug/l	0.001231	0.00100 U	0.001391	0.00100 U				
Copper	1	ug/l	0.00171	0.001301	0.00193	0.001021	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Lead	0.015	ug/l	0.00100 U	0.001341	0.00100 U					
Mercury	0.002	ug/l	0.000200 U							
Nickel	0.1	ug/l	0.00363	0.00479	0.019	0.00214	0.00456	0.00253	0.00100 U	0.00358
Selenium	0.05	ug/l	0.00200 U							
Silver	0.1	ug/l	0.000500 U							
Thallium	0.002	ug/l	0.001341	0.00100 U						
Vanadium		ug/l	0.0153	0.0107	0.00792	0.0118	0.00534	0.00294	0.00454	0.00693
Zinc	5	ug/l	0.0100 U	0.0534	0.01610					
Amonia (as N)	2.8	ug/l	0.0100 U	0.402	0.0100 U	0.0100 U	0.0100 U	0.239	0.0100 U	0.0100 U
Iron	0.3	ug/l	8.09	2.72	2.81	1.05	0.658	17.1	0.130	0.0373
Sodium	160	ug/l	11.9	14.9	17.7	6.67	5.94	12	56.0	4.85
<b>Organics</b>										
1,1,2-Tetrachloroethane		ug/l	0.500 U							
1,1,1-Trichloroethane	200	ug/l	0.500 U							
1,1,2,2-Tetrachloroethane		ug/l	0.100 U							
1,1,2-Trichloroethane	5	ug/l	0.500 U							
1,4-Dichloroethane		ug/l	0.500 U							
1,4-Dichloroethene	7	ug/l	0.500 U							
1,2-Dichloroethane	3	ug/l	0.500 U							
1,2-Dichloropropane	5	ug/l	0.200 U							
2-Butanone (MEK)		ug/l	0.500 U							
2-Hexanone		ug/l	0.500 U							
Acetone		ug/l	5.00 U							
Benzene	1	ug/l	0.300 U							
Bromoacetonitrile		ug/l	0.500 U							
Bromodichloromethane		ug/l	0.100 U							
Bromodichloromethane		ug/l	0.100 U							
Bromoform		ug/l	0.500 U							
Bromopentane		ug/l	0.500 U							
Carbon Disulfide		ug/l	1.00 U							
Carbon Tetrachloride	3	ug/l	0.500 U							
Chlorobenzene		ug/l	0.500 U							
Chloroethane		ug/l	0.500 U							
Chloroform		ug/l	0.500 U							
Chloromethane	2.7	ug/l	2.17	0.500 U						
Dibromochloromethane		ug/l	0.400 U							
Dibromomethane		ug/l	0.500 U							
Ethylbenzene	700	ug/l	0.500 U							
Methyl Iodide		ug/l	1.00 U							
Methyl Isobutyl Ketone		ug/l	1.00 U							
Methylene chloride		ug/l	1.00 U							
Para-dichlorobenzene	75	ug/l	0.500 U							
Styrene	100	ug/l	0.500 U							
Tetrachloroethene	3	ug/l	0.500 U							
Toluene	1000	ug/l	0.500 U							
Trichloroethene	3	ug/l	0.500 U							
Trichloroform		ug/l	0.500 U							
Vinyl Acetate		ug/l	5.00 U							
Vinyl chloride	1	ug/l	0.500 U							
Xylenes	10000	ug/l	1.00 U							
cis-1,2-Dichloroethene	70	ug/l	0.200 U							
cis-1,3-Dichloropropene		ug/l	0.500 U							
o-Dichlorobenzene	600	ug/l	0.500 U							
trans-1,2-Dichloroethene	100	ug/l	0.500 U							
trans-1,3-Dichloropropene		ug/l	0.500 U							
trans-1,4-Dihydro-2-butene		ug/l	1.00 U							

<sup>(1)</sup> 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.

**Table 3**  
**Surface Water Analytical Summary**  
**Hardee County Landfill**  
**First Half 2012**

Analyte	Location:		
	Sample Identifier:		
	Date of Test:	SW-2	
Standard(1)	Units		
<b>Field Measurements</b>			
Temperature	deg. C	34.89	
pH	6-8.5	STD	6.48
Conductivity	1275	umhos/cm	0.063
Dissolved Oxygen (DO)	>5	mg/l	10.46
Turbidity	.29+	NTU	3.50
<b>Inorganics</b>			
Ammonia (as N)	mg/L	NS*	
Nitrate (as N)	mg/L	0.0100 U	
Nitrite (as N)	mg/L	0.0200 U	
Total Dissolved Solids (TDS)	mg/L	84	
Aluminum	mg/L	0.0766	
Antimony	4.3	mg/L	0.00200 U
Arsenic	0.05	mg/L	0.00100 U
Barium	mg/L	0.00200 U	
Beryllium	0.00013	mg/L	0.000500 U
Cadmium	Note 2	mg/L	0.00100 U
Chromium	Note 3	mg/L	0.00100 U
Cobalt	mg/L	0.00100 U	
Copper	Note 4	mg/L	0.0121 I
Iron	1	mg/L	0.0449
Lead	Note 5	mg/L	0.00171 I
Mercury	0.000012	mg/L	0.0000200 U
Nickel	Note 6	mg/L	0.00100 U
Selenium	5	mg/L	0.00200 U
Silver	0.00007	mg/L	0.0000500 U
Thallium	0.0063	mg/L	0.00100 U
Vanadium	0.049	mg/L	0.00100 U
Zinc	Note 7	mg/L	0.0100 U
Fecal coliform	800	cfu/100mL	174 Q
Total Hardness (as CaCO <sub>3</sub> )	mg/L	26.7	
Total Organic Carbon (TOC)	mg/L	13.8	
Total Nitrogen	mg/L	1.00	
Total Phosphorus	mg/L	0.216	
Total Suspended Solids (TSS)	mg/L	1.75 I	
Phenolics	mg/L	NS*	
Un-ionized Ammonia	20	mg/L	0.000100 U
Biological Oxygen Demand (BOD)	mg/l	4.43	
Chemical Oxygen Demand (COD)	mg/L	29.3 I	
Chlorophyll A	mg/m <sup>3</sup>	1.00 U	
Total Kheldahl Nitrogen (TKN) (as N)	mg/l	0.987	
<b>Organics</b>			
1,1,1,2-Tetrachloroethane	ug/l	0.500 U	
1,1,1-Trichloroethane	270	ug/l	0.500 U
1,1,2,2-Tetrachloroethane	10.8	ug/l	0.100 U
1,1,2-Trichloroethane	16	ug/l	0.500 U
1,1-Dichloroethane	ug/l	0.500 U	
1,1-Dichloroethene	3.2	ug/l	0.500 U
1,2-Dichloroethane	37	ug/l	0.500 U

Analyte	Location:		SW-2
	Sample Identifier:		SW-2
	Date of Test:	6/27/2012	
Standard(1)	Units		
1,2-Dichloropropane	14	ug/l	0.200 U
1,2,3-Trichloropropane	0.2	ug/l	0.200 U
1,2-Dibromoethane (EDB)	13	ug/l	0.100 U
1,2-Dibromo-3-chloropropane		ug/l	0.0200 U
2-Butanone (MEK)	120000	ug/l	0.500 U
2-Hexanone		ug/l	0.500 U
Acetone	1700	ug/l	5.00 U
Acrylonitrile	0.2	ug/l	0.300 U
Benzene	71.28	ug/l	0.500 U
Bromochloromethane		ug/l	0.100 U
Bromodichloromethane	49.7	ug/l	0.100 U
Bromoform		ug/l	0.500 U
Bromomethane	35	ug/l	0.500 U
Carbon disulfide	110	ug/l	1.00 U
Carbon tetrachloride	4.42	ug/l	0.500 U
Chlorobenzene	17	ug/l	0.500 U
Chloroethane		ug/l	0.500 U
Chloroform		ug/l	0.500 U
Chloromethane	470.8	ug/l	0.500 U
Dibromochloromethane		ug/l	0.400 U
Dibromomethane	1580	ug/l	0.500 U
Ethylbenzene	610	ug/l	0.500 U
Methyl iodide		ug/l	1.00 U
Methyl isobutyl ketone		ug/l	1.00 U
Methylene chloride		ug/l	1.00 U
Para-dichlorobenzene		ug/l	0.500 U
Styrene	460	ug/l	0.500 U
Tetrachloroethene	8.85	ug/l	0.500 U
Toluene	480	ug/l	0.500 U
Trichloroethene	80.7	ug/l	0.500 U
Trichlorofluoromethane		ug/l	0.500 U
Vinyl Acetate	700	ug/l	5.00 U
Vinyl chloride	2.4	ug/l	0.500 U
Xylenes	370	ug/l	1.00 U
cis-1,2-Dichloroethene	3.2	ug/l	0.200 U
cis-1,3-Dichloropropene	12	ug/l	0.500 U
o-Dichlorobenzene		ug/l	0.500 U
trans-1,2-Dichloroethene	11000	ug/l	0.500 U
trans-1,3,-Dichloropropene	12	ug/l	0.500 U
trans-1,4-Dichloro-2-butene		ug/l	1.00 U

Abbreviations: mg/l = milligrams per liter; ug/l = micrograms per liter; NTU = nephelometric turbidity units; mg/m<sup>3</sup> = milligrams per cubic meter. NS\* = Not sampled for that parameter Q = outside hold time

(1) Surface water standards presented in Chapter 62-302, FAC. Analyte concentrations shown with shading represent an exceedance of the regulatory level. Value of hardness (117) was used to determine calculated standards below.

- (2) Cd less than or equal to  $e(0.7852(\ln H)-3.49)$
- (3) Cr less than or equal to  $e(0.819(\ln H)+0.6848)$
- (4) Cu less than or equal to  $e(0.845(\ln H)-1.702)$
- (5) Pb less than or equal to  $e(1.273(\ln H)-4.705)$
- (6) Ni less than or equal to  $e(0.846(\ln H)+0.0584)$
- (7) Zn less than or equal to  $e(0.8473(\ln H)+0.884)$

**Table 4**  
**Leachate Analytical Summary**  
**Hardee County Landfill**  
**First Half 2012**

Analyte	Location:		Phase I Leachate
	Sample Identifier:		Manhole 9
	Date of Sample:	Units	06/27/12
Standard(1)	Units		
<b>Field Measurements</b>			
Temperature		deg. C	27.7
pH		STD	6.52
Conductivity		umhos/cm	0.782
Dissolved Oxygen (DO)		mg/l	3.41
<b>Inorganics</b>			
Antimony		mg/L	0.00200 U
Arsenic	5	mg/L	0.00651
Barium	100	mg/L	0.0367
Beryllium		mg/L	0.000580 I
Cadmium	1	mg/L	0.00100 U
Chloride		mg/L	70.5
Chromium	5	mg/L	0.00998
Cobalt		mg/L	0.00230
Copper		mg/L	0.0302
Cyanide		mg/L	0.00500 U
Iron		mg/L	8.06
Lead	5	mg/L	0.0109
Mercury	0.2	mg/L	0.0000323 I
Nickel		mg/L	0.0152
Nitrate		mg/L	0.143
Selenium	1	mg/L	0.00200 U
Silver	5	mg/L	0.000660 I
Sodium		mg/L	45.3
Sulfide		mg/L	1.480
Total Alkalinity (as CaCO <sub>3</sub> )		mg/l	277
Total Ammonia - N		mg/L	10.5
Thallium		mg/L	0.00100 U
Tin as SN		mg/L	0.00500 U
Total Dissolved Solids (TDS)		mg/L	514
Vanadium		mg/L	0.0105
Zinc		mg/L	0.0605
<b>Pesticides &amp; Herbicides</b>			
2,4,5-T		ug/l	0.250 U
2,4,5-TP (Silvex)	1,000	ug/l	0.250 U
2,4-D	10,000	ug/l	0.250 U
4,4-DDD		ug/l	0.0200 U
4,4-DDE		ug/l	0.0200 U
4,4-DDT		ug/l	0.0200 U
a-BHC		ug/l	0.0200 U
Aldrin		ug/l	0.0200 U
b-BHC		ug/l	0.0100 U
Chlordane	30	ug/l	0.0100 U
d-BHC		ug/l	0.0100 U
Dieldrin		ug/l	0.0200 U
Dinoseb		ug/l	0.250 U
Endosulfan Sulfate		ug/l	0.0200 U
Endosulfan-I		ug/l	0.0100 U
Endosulfan-II		ug/l	0.0100 U
Endrin	20	ug/l	0.0100 U
Endrin Aldehyde		ug/l	0.0200 U
g-BHC (Lindane)	400	ug/l	0.0100 U
Heptachlor	130	ug/l	0.0100 U
Heptachlor Epoxide	130	ug/l	0.0100 U
Methoxychlor	10,000	ug/l	0.0100 U

Analyte	Location:		Phase I Leachate
	Sample Identifier:		Manhole 9
	Date of Sample:		06/27/12
	Standard(1)	Units	
Pentachlorophenol	100,000	ug/l	0.400 U
Toxaphene	500	ug/l	0.500 U
<b>PCBs</b>			
Arochlor 1016		ug/l	0.100 U
Arochlor 1221		ug/l	0.100 U
Arochlor 1232		ug/l	0.100 U
Arochlor 1242		ug/l	0.100 U
Arochlor 1248		ug/l	0.100 U
Arochlor 1254		ug/l	0.100 U
Arochlor 1260		ug/l	0.100 U
<b>Organics, Acid Extractables</b>			
2,4,6-Trichlorophenol	2,000	ug/l	2.0 U
2,3,4,6-Tetrachlorophenol		ug/l	2.0 U
2,4,5-Trichlorophenol	400,000	ug/l	1.00 U
2,4-Dichlorophenol		ug/l	1.00 U
2,4-Dimethylphenol		ug/l	2.00 U
2,4-Dinitrophenol		ug/l	5.00 U
2,6-Dichlorophenol		ug/l	1.00 U
2-Nitrophenol		ug/l	2.00 U
4-Nitrophenol		ug/l	2.00 U
Phenol		ug/l	2.00 U
<b>Base Neutrals</b>			
1,2,4,5-Tetrachlorobenzene		ug/l	2.00 U
1,4-Naphthoquinone		ug/l	10.0 U
1-Naphthylamine		ug/l	10.0 U
2,4-Dinitrotoluene	130	ug/l	0.200 U
2,6-Dinitrotoluene		ug/l	2.00 U
2-Acetylaminofluorene		ug/l	10.0 U
2-Chloronaphthalene		ug/l	2.00 U
2-Chlorophenol		ug/l	2.00 U
2-Methyl-4,6-dinitrophenol		ug/l	2.00 U
2-Methylnaphthalene		ug/l	2.00 U
2-Naphthylamine		ug/l	2.00 U
p-Nitroaniline		ug/l	2.00 U
3,3-Dichlorobenzidine		ug/l	2.00 U
3,3-Dimethylbenzidine		ug/l	10.0 U
3-Methylcholanthrene		ug/l	10.0 U
4-Aminobiphenyl		ug/l	10.0 U
4-Bromophenyl-phenylether		ug/l	2.00 U
4-Chlorophenylphenylether		ug/l	2.00 U
5-Nitro-o-toluidine		ug/l	2.00 U
7,12-Dimethylbenz(a)anthracene		ug/l	10.0 U
Acenaphthene		ug/l	2.00 U
Acenaphthylene		ug/l	2.00 U
Acetophenone		ug/l	10.0 U
Anthracene		ug/l	2.00 U
Benzo(a)anthracene		ug/l	0.200 U
Benzo(a)pyrene		ug/l	1.00 U
Benzo(b)flouranthene		ug/l	0.100 U
Benzo(g,h,i)perylene		ug/l	2.00 U
Benzo(k)flouranthene		ug/l	1.00 U
Benzyl alcohol		ug/l	5.00 U
Bis(2-chloroethoxy)methane		ug/l	2.00 U
Bis(2-chloroethyl)ether		ug/l	2.00 U
Bis(2-ethylhexyl)phthalate		ug/l	3.00 U
Butylbenzylphthalate		ug/l	3.00 U
Chlorobenzilate		ug/l	0.800 U
Chrysene		ug/l	2.00 U
Diallate		ug/l	2.00 U

Analyte	Location:		Phase I Leachate
	Sample Identifier:		Manhole 9
	Date of Sample:		06/27/12
Standard(1)	Units		
Dibenz(a,h)anthracene	ug/l	0.200 U	
Dibenzofuran	ug/l	5.00 U	
Diethylphthalate	ug/l	3.00 U	
Dimethoate	ug/l	2.00 U	
Dimethylphthalate	ug/l	3.00 U	
Di-N-butylphthalate	ug/l	3.00 U	
Di-N-octylphthalate	ug/l	3.00 U	
Disulfoton	ug/l	0.300 U	
Ethyl methanesulfonate	ug/l	20.0 U	
Famphur	ug/l	2.00 U	
Flouranthene	ug/l	2.00 U	
Flourene	ug/l	2.00 U	
Hexachlorobenzene	130	ug/l	1.00 U
Hexachlorobutadiene	500	ug/l	2.00 U
Hexachlorocyclopentadiene		ug/l	2.00 U
Hexachloroethane	3,000	ug/l	2.00 U
Hexylchloropropene		ug/l	10.0 U
Indeno(1,2,3-cd)pyrene		ug/l	0.200 U
Isodrin		ug/l	20.0 U
Isophorone		ug/l	2.00 U
Iisosafrole		ug/l	10.0 U
Kepone		ug/l	2.00 U
Methapyrilene		ug/l	20.0 U
Methyl parathion		ug/l	0.500 U
Methyl methanesulfonate		ug/l	10.0 U
Nitrobenzene	2,000	ug/l	2.00 U
N-Nitrosodiethylamine		ug/l	3.00 U
N-Nitrosodimethylamine		ug/l	3.00 U
N-Nitroso di-n-butylamine		ug/l	2.00 U
N-Nitrosodi-n-propylamine		ug/l	2.00 U
N-Nitrosodiphenylamine		ug/l	3.00 U
N-Nitrosomethylmethylamine		ug/l	3.00 U
N-Nitrosopiperidine		ug/l	10.0 U
N-Nitrosopyrrolidine		ug/l	2.00 U
O,O-Diethyl-0,2-pyrazinylphosphorothioate		ug/l	10.0 U
O,O,O-Triethylphosphorothioate		ug/l	10.0 U
Ortho-toluidine		ug/l	2.00 U
P-(Dimethylamino)azobenzene		ug/l	10.0 U
P-Chloro-m-creosol		ug/l	2.00 U
P-Chloroaniline		ug/l	10.0 U
P-Cresol		ug/l	2.00 U
P-Phenylenediamine		ug/l	10.0 U
P-nitroaniline		ug/l	2.00 U
Pentachlorobenzene		ug/l	0.300 U
Pentachloronitrobenzene		ug/l	0.300 U
Phenacetin		ug/l	20.0 U
Phenanthren		ug/l	2.00 U
Pronamide		ug/l	10.0 U
Pyrene	5,000	ug/l	2.00 U
Saffrole		ug/l	10.0 U
<b>Volatile Organics</b>			
1,1,1,2-Tetrachloroethane		ug/l	0.500 U
1,1,1-Trichloroethane		ug/l	0.500 U
1,1,2,2-Tetrachloroethane		ug/l	0.100 U
1,1,2-Trichloroethane		ug/l	0.500 U
1,2-Dibromoethane (EDB)		ug/l	0.0100 U
1,2-Dibromo-3-chloropropane		ug/l	0.0200 U
1,1-Dichloroethane		ug/l	0.500 U
1,1-Dichloroethene	700	ug/l	0.500 U

Analyte	Location:		Phase I Leachate
	Sample Identifier:		Manhole 9
	Date of Sample:		06/27/12
Standard(1)	Units		
1,1-Dichloropropene	ug/l	0.200 U	
1,2,3-Trichloropropane	ug/l	0.0200 U	
1,2,4-Trichlorobenzene	ug/l	0.500 U	
1,2-Dichloroethane	500	ug/l	0.500 U
1,2-Dichloropropane		ug/l	0.200 U
1,3-Dichloropropane		ug/l	0.300 U
2,2-Dichloropropane		ug/l	0.500 U
2-Butanone (MEK)	200,000	ug/l	15.8
2-Hexanone		ug/l	0.500 U
Acetone		ug/l	10.5
Acetonitrile		ug/l	1.00 U
Acrolein		ug/l	3.50 U
Acrylonitrile		ug/l	0.300 U
Benzene	500	ug/l	0.500 U
Bromochloromethane		ug/l	0.100 U
Bromodichloromethane		ug/l	0.100 U
Bromoform		ug/l	0.500 U
Bromomethane		ug/l	0.500 U
Carbon disulfide		ug/l	1.00 U
Carbon tetrachloride	500	ug/l	0.500 U
Chlorobenzene	100,000	ug/l	0.500 U
Chloroethane		ug/l	0.500 U
Chloroform	6,000	ug/l	0.500 U
Chloromethane		ug/l	0.500 U
Chloroprene		ug/l	5.00 U
cis-1,2-Dichloroethene		ug/l	0.200 U
cis-1,3-Dichloropropene		ug/l	0.500 U
Dibromochloromethane		ug/l	0.400 U
Dibromomethane		ug/l	0.500 U
Dichlorodifluoromethane		ug/l	0.500 U
Ethyl methacrylate		ug/l	0.500 U
Ethylbenzene		ug/l	0.500 U
Isobutyl alcohol		ug/l	1.00 U
m-Dichlorobenzene		ug/l	0.500 U
o-Dichlorobenzene		ug/l	0.500 U
Methacrylonitrile		ug/l	0.500 U
Methyl methacrylate		ug/l	2.00 U
Methylene chloride		ug/l	1.00 U
Naphthalene		ug/l	2.00 U
Para-dichlorobenzene		ug/l	0.500 U
Propionitrile		ug/l	1.00 U
Styrene		ug/l	0.500 U
Tetrachloroethene	700	ug/l	0.500 U
Toluene		ug/l	0.500 U
Total xylenes		ug/l	1.00 U
trans-1,2-Dichloroethene		ug/l	0.500 U
trans-1,3-Dichloropropene		ug/l	0.500 U
trans-1,4-Dichloro-2-butene		ug/l	1.00 U
Trichloroethene	500	ug/l	0.500 U
Trichlorofluoromethane		ug/l	0.500 U
Vinyl acetate		ug/l	5.00 U
Vinyl chloride	200	ug/l	0.500 U

Notes: (1) - Regulatory standard listed in 40 CFR Part 261.24. I = between MDL and PQL

Abbreviations: U = below detection limits; mg/l = milligrams per liter; ug/l = micrograms per liter.

**ATTACHMENT A**

**Ground Water Monitoring Report Form**

## Florida Department of Environmental Protection

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

DEP Form # <u>62-522.900(2)</u>
Form Title <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. _____

## 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 Wauchula, Florida

Zip 33873

Telephone Number (863) 733-5089

(2) The GMS Identification Number 4025C30001

(3) DEP Permit Number 38414-011-SO

(4) Authorized Representative Name Bradley J. Bayne, PG, Atkins

Address 4030 West Boy Scout Boulevard, Suite 700

City Tampa, Florida

Zip 33607

Telephone Number (813) 281-8377

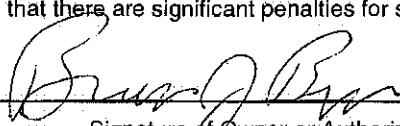
(5) Type of Discharge N/A

(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: 8/10/12



PG 1733

Signature of Owner or Authorized Representative

### PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # Atkins (subcontracted to Flowers Chemical Laboratories)

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 \_\_\_\_\_

Phone Number (407) 339-5984

### PART III ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: June 2012

Test Site ID #: \_\_\_\_\_ Report Period: First Half 2012  
(year/quarter)

Well Name: \_\_\_\_\_ Well Purged (Y/N): \_\_\_\_\_

Well Purged (Y/N):

**Classification of Ground Water:** \_\_\_\_\_ **Well Type:** ( ) Background

Well Type: ( ) Background

Ground Water Elevation (NGVD); ( ) Intermediate ( ) Compliance

Intermediate  
 Compliance

( ) Computer  
( ) Other

( ) Other

or (MSL): \_\_\_\_\_

\* Attach Laboratory Reports

**ATTACHMENT B**

**Groundwater Sampling Logs and Field Equipment Calibration Logs**

## **GROUNDWATER SAMPLING LOG**

SITE NAME:	Hardee County Landfill		SITE LOCATION:	685 Airport Road, Wauchula, Florida 33873		
NO:	MW-1	SAMPLE ID:	MW-1	DATE:	6/26/2012	

## PURGING DATA

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RAYMUNDO CASTRO				SAMPLER'S SIGNATURE(S): <i>Raymundo Castro</i>			SAMPLING INITIATED AT: 12:11	SAMPLING ENDED AT: 12:18	
PUMP OR TUBING DEPTH IN WELL (feet): 11				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			
MW-1								RFPP	
(SEE CHAIN OF CUSTODY)									
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 = Baler; 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:**  $\pm 0.2$  units    **Temperature:**  $\pm 0.2^\circ\text{C}$     **Specific Conductance:**  $\pm 5\%$     **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2);  
optionally,  $\pm 0.2$  mg/l or  $\pm 10\%$  (whichever is greater)    **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009

## **GROUNDWATER SAMPLING LOG**

SITE NAME:	Hardee County Landfill		SITE LOCATION:	685 Airport Road, Wauchula, Florida 33873		
NO:	MW-2	SAMPLE ID:	MW-2	DATE:	6/26/2012	

## PURGING DATA

**WELL CAPACITY (Gallons Per Foot):** 075" = 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 = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

## **SAMPLING DATA**

Digitized by srujanika@gmail.com

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene S = Silicone; T =

**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 CRITERIAL FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (see FS 2212, SECTION 3)**

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $<20\%$  saturation (see Table FS 2200-2)

optionally, + 0.2 mg/l or + 10% (whichever is greater). Turbidity: all readings  $\leq$  20 NTU; optionally + 5 NTU or + 10% (whichever is greater).

optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\geq 20 \text{ NTU}$ ; optionally  $\pm 3 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revisibn Date: February 12, 2009

## **GROUNDWATER SAMPLING LOG**

<b>SITE NAME:</b>	Hardee County Landfill		<b>SITE LOCATION:</b>	685 Airport Road, Wauchula, Florida 33873		
<b>NO:</b>	MW-4	<b>SAMPLE ID:</b>	MW-4	<b>DATE:</b>	6/26/2012	

## PURGING DATA

## SAMPLING DATA

**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 62-16D, F.A.C.

- 2. STABILIZATION CRITERIAL FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (see FS 2212, SECTION 3)**

Revision Date: February 13, 2008

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME:	Hardee County Landfill		SITE LOCATION:	685 Airport Road, Wauchula, Florida 33873		
NO:	MW-5		SAMPLE ID:	MW-5	DATE:	6/26/2012

**PURGING DATA**

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	feet to feet	STATIC DEPTH TO WATER (feet):	6.83	PURG PUMP TYPE OR BAILER:	Peristaltic		
<b>WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY</b> (only fill out if applicable)											
= (< 20.75 feet - 6.83 feet) X 0.16 gallons = 2.23 gallons											
<b>EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME</b> (only fill out if applicable)											
= gallons + ( gallons/foot X feet ) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	11	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	11	PURGING INITIATED AT:	13:25	PURGING ENDED AT:	13:48	TOTAL VOLUME PURGED (gallons):	3.93		
TIME	VOLUME PURGE (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND: (circle units) $\mu\text{mho}/\text{cm}$ or $\mu\text{Siemens}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
13:38	2.23	2.23	0.17	6.98	4.51	26.91	0.219	4.01	4.97	Clear	None
13:43	0.85	3.08	0.17	6.98	4.53	26.83	0.210	4.00	3.85	Clear	None
13:48	0.85	3.93	0.17	6.98	4.72	27.05	0.201	4.32	3.49	Clear	None
<b>WELL CAPACITY (Gallons Per Foot): 075" = 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</b>											
<b>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</b>											
<b>PURGING EQUIPMENT CODES: B = Bailee; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)</b>											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: RAYMUNDO CASTRO	SAMPLER'S SIGNATURE(S): <i>Raymundo Castro</i>	SAMPLING INITIATED AT: 13:51	SAMPLING ENDED AT: 13:54						
PUMP OR TUBING DEPTH IN WELL (feet): 11	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Filtration Equipment Type: FILTER SIZE: <input type="text"/> $\mu\text{m}$						
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> Y <input type="checkbox"/> N(replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>							
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								RFPP	
(SEE CHAIN OF CUSTODY)									
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 = Bailee; BP = Bladder Pump; ESP = Electric Submersible Pump;

RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

Revision Date: February 12, 2009

## **GROUNDWATER SAMPLING LOG**

SITE NAME:	Hardee County Landfill		SITE LOCATION:	685 Airport Road, Wauchula, Florida 33873		
NO:	MW-10R	SAMPLE ID:	MW-10R		DATE:	6/26/2012

## PURGING DATA

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RAYMUNDO CASTRO			SAMPLERS SIGNATURE(S) <i>Raymundo Castro</i>			SAMPLING INITIATED AT: 16:47	SAMPLING ENDED AT: 16:50	
PUMP OR TUBING DEPTH IN WELL (feet):		11	TUBING MATERIAL CODE:	S + PE	FIELD-FILTERED: Filtration Equipment Type:	Y N	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)			
MW-10R								RFPP
(SEE CHAIN OF CUSTODY)								
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 = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump;								

**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 = Baiter; 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.

- 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:  $\pm 0.2$  units Temperature:  $\pm 0.2^{\circ}\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2) optionally  $\pm 0.2$  mg/l or  $\pm 10\%$  (whichever is greater). Turbidity: all readings  $< 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater).

Revision Date: February 12, 2008

## **GROUNDWATER SAMPLING LOG**

SITE NAME:	Hardee County Landfill	SITE LOCATION:	685 Airport Road, Wauchula, Florida 33873
NO:	MW-11	SAMPLE ID:	MW-11

## PURGING DATA

#### **SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: RAYMUNDO CASTRO		SAMPLERS SIGNATURE(S): <i>Raymundo Castro</i>		SAMPLING INITIATED AT: 15:56	SAMPLING ENDED AT: 15:59			
PUMP OR TUBING DEPTH IN WELL (feet):	12	TUBING MATERIAL CODE:	S + PE	FIELD-FILTERED: Y N	FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y N		TUBING Y N (replaceable)		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)			
MW-11								RFPP
(SEE CHAIN OF CUSTODY)								
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 =  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing C)

- The above do not constitute all of the information required by Chapter 62-160, F.A.C.
  - STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (see FS 2212, SECTION 3)**  
 $\pm 0.2$  units Temperature;  $\pm 0.2^\circ\text{C}$  Specific Conductance;  $\pm 6\%$  Dissolved Oxygen; all readings  $\leq 20\%$  saturation (see Table FS 2200-2) optionally,  $\pm 0.2$  molar, or  $\pm 10\%$  (whichever is greater). Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater).

Revision Date: February 12, 2009

## **GROUNDWATER SAMPLING LOG**

SITE NAME:	Hardee County Landfill		SITE LOCATION:	685 Airport Road, Wauchula, Florida 33873		
NO:	MW-12R	SAMPLE ID:		MW-12R	DATE:	6/28/2012

## PURGING DATA

**WELL CAPACITY (Gallons Per Foot):** 076" = 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" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RAYMUNDO CASTRO				SAMPLERS SIGNATURE(S): <i>Raymundo Castro</i>			SAMPLING INITIATED AT:	15:33	SAMPLING ENDED AT:	15:37
PUMP OR TUBING DEPTH IN WELL (feet): 14				TUBING MATERIAL CODE:	S + PE	FIELD-FILTERED: Filtration Equipment Type:	Y	N	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			RFPP	
MW-12R										
(SEE CHAIN OF CUSTODY)										
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 = Baler; BP = Bladder Pump; ESP = Electric Submersible Pump;										

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

**SAMPLING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Baler; BP = Bladder Pump; ESP = Electric Submersible Pump

**REPP = 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 82-150, F.A.C.

- NOTES:**

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\pm 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/l}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\pm 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009

# **GROUNDWATER SAMPLING LOG**

<b>SITE NAME:</b>	Hardee County Landfill	<b>SITE LOCATION:</b>	685 Airport Road, Wauchula, Florida 33873		
<b>NO:</b>	SW-1	<b>SAMPLE ID:</b>	SW-1	<b>DATE:</b>	6/28/2012

## PURGING DATA

**WELL CAPACITY (Gallons Per Foot):**  $075'' = 0.02$ ;  $1'' = 0.04$ ;  $1.25'' = 0.06$ ;  $2'' = 0.16$ ;  $3'' = 0.37$ ;  $4'' = 0.65$ ;  $5'' = 1.02$ ;  $6'' = 1.47$ ;  $12'' = 5.88$

**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

**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 82-160, F.A.C.

**2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (see ES-2212, SECTION 3)**

## **2. STABILIZATION CRITERIAL FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (see FS 2212, SECTION 3)**

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 220)

optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009

## **GROUNDWATER SAMPLING LOG**

SITE NAME:	Hardee County Landfill		SITE LOCATION:	685 Airport Road, Wauchula, Florida 33873		
NO:	MH-9	SAMPLE ID:	MH-9	DATE:	6/26/2012	

## PURGING DATA

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RAYMUNDO CASTRO			SAMPLERS SIGNATURE(S): <i>Raymundo Castro</i>			SAMPLING INITIATED AT:	14:22	SAMPLING ENDED AT:	15:18	
PUMP OR TUBING DEPTH IN WELL (feet): 0			TUBING MATERIAL CODE:	S + PE	FIELD-FILTERED: Filtration Equipment Type:	Y	N	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			RFPP	
MH-9										
(SEE CHAIN OF CUSTODY)										
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 = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump;										
RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

**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;

**RFP**P = 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.

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

- 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (see FS 2212, SECTION 31)**  
**pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2)**  
**optionally  $\pm 0.2$  mV or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)**

Revision Date: February 12, 2009

## **Field Instrument Calibration Records**

**INSTRUMENT (MAKE/MODEL #)**

**PARAMETER:** (check only one)

YSI MODEL 556 INSTRUMENT # 8A 1003 1B  
RENTED FROM CYCLONE INSTRUMENTS

TEMPERATURE       CONDUCTIVITY       SALINITY       pH       ORP  
 TURBIDITY       RESIDUAL CL       DO       OTHER \_\_\_\_\_

**STANDARDS:** [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 100%

Standard B \_\_\_\_\_

### *Standard C*

Field Instrument Calibration Records

INSTRUMENT (MAKE/MODEL#)

PARAMETER: [check only one]

YSI MODEL 556 INSTRUMENT # BA 1008 10  
RENTED FROM CYCLONE INSTRUMENTS

- |                                      |                                       |                                   |  |                              |
|--------------------------------------|---------------------------------------|-----------------------------------|--|------------------------------|
| <input type="checkbox"/> TEMPERATURE | <input type="checkbox"/> CONDUCTIVITY | <input type="checkbox"/> SALINITY | <input checked="" type="checkbox"/> pH | <input type="checkbox"/> ORP |
| <input type="checkbox"/> TURBIDITY   | <input type="checkbox"/> RESIDUAL CL  | <input type="checkbox"/> DO       | <input type="checkbox"/> OTHER _____   |                              |

STANDARDS: [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A pH 4

Standard B pH 7

Standard C \_\_\_\_\_

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
6/26/12	8:05	A	4	4.00	<0.1%	YES	INIT	RGC
6/26/12	8:05	B	7	7.01	<0.1%	YES	INIT	RGC
6/27/12	9:35	A	4	4.00	0%	YES	INIT	RGC
6/27/12	9:35	B	7	7.00	0%	YES	INIT	RGC

## **Field Instrument Calibration Records**

**INSTRUMENT (MAKE/MODEL #)**

**PARAMETER:** *[check only one]*

TEMPERATURE       CONDUCTIVITY       SALINITY       pH       ORP  
 TURBIDITY       RESIDUAL CL       DO       OTHER \_\_\_\_\_

**STANDARDS:** *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1500 us

Standard B \_\_\_\_\_

### *Standard C*

## **Field Instrument Calibration Records**

**INSTRUMENT (MAKE/MODEL #)**

HANNA

INSTRUMENT # 08240438

**PARAMETER:** *[check only one]*

RENTED FROM CYCLONE INSTRUMENTS

TEMPERATURE       CONDUCTIVITY       SALINITY       pH       ORP  
 TURBIDITY       RESIDUAL CL       DO       OTHER \_\_\_\_\_

**STANDARDS:** *(Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased)*

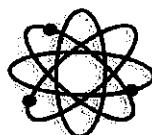
Standard A 0.1

Standard B 15

### *Standard C*

**ATTACHMENT C**

**Groundwater, Surface Water, and Leachate Laboratory Analytical Reports**



# FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs FL 32715-0597  
571 NW Mercantile Pl, Suite 111, Port St. Lucie FL 34986  
P.O. Box 1200, Madison FL 32341  
3980 Overseas Hwy Suite 103, Marathon FL 33050

Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

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

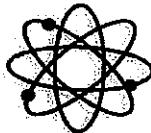
PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

## Report Summary

Date Received: Jun 27, 2012

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
179013GW1	MW #2/297	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	
179013GW2	MW #1/296	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	
179013GW3	MW #4/299	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	



# FLOWERS CHEMICAL LABORATORIES INC.

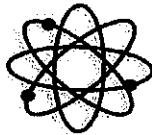
P.O. Box 150597, Altamonte Springs FL 32715-0597  
571 NW Mercantile Pl. Suite 111, Port St. Lucie FL 34986  
P.O. Box 1200, Madison FL 32341  
3980 Overseas Hwy Suite 103, Marathon FL 33050

Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
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 LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

179013GW4	MW #5/300	FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		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	
179013GW5	MW-8/19255	SM4500-CI E	VLB	Main Lab	
		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	
179013GW6	MW-12R/22931	SM4500-CI E	VLB	Main Lab	
		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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3980 Overseas Hwy Suite 103, Marathon FL 33050

Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
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 LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

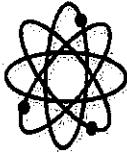
179013GW7	MW-11/21882	SM4500-CI E	VLB	Main Lab	
		EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
179013GW8	MW-10R/22930	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-CI E	VLB	Main Lab	

## 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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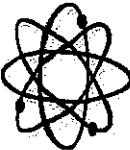
E83018 (Main Lab)  
 E86562 (South Lab)  
 E82405 (North Lab)  
 E35834 (Keys Lab)

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

## Analysis Report

Lab #:	179013GW1	Sampled:	06/26/12 10:19 AM	Desc:	MW #2/297	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter				Result									
Chloride				11.8	mg/L	1.00	4.00	8.00		10196954	SM4500-Cl E	16887-00-6	06/28/12
Mercury				0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10199947	EPA470	7439-97-6	06/27/12	
Nitrate(as N)				0.0100 U	mg/L	1.00	0.0100	0.0200	10200000	EPA353.2	14797-55-8	06/27/12	
Antimony				0.00200 U	mg/L	1.00	0.00200	0.00800	10200035	EPA6020	7440-36-0	06/27/12	
Arsenic				0.00169 I	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-38-2	06/27/12	
Barium				0.0235	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7440-39-3	06/27/12	
Beryllium				0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020	7440-41-7	06/27/12	
Cadmium				0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-43-9	06/27/12	
Chromium				0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-47-3	06/27/12	
Cobalt				0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-48-4	06/27/12	
Copper				0.00130 I	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-50-8	06/27/12	
Lead				0.00114 I	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7439-92-1	06/27/12	
Nickel				0.00479	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-02-0	06/27/12	
Selenium				0.00200 U	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7782-49-2	06/27/12	
Silver				0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020	7440-22-4	06/27/12	
Thallium				0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-28-0	06/27/12	
Vanadium				0.0107	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-62-2	06/27/12	
Zinc				0.0100 U	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7440-66-6	06/27/12	
Iron				2.72	mg/L	1.00	0.0100	0.0200	10200057	EPA6010	7439-89-6	06/27/12	
Sodium				14.9	mg/L	1.00	0.500	1.00	10200057	EPA6010	7440-23-5	06/27/12	
TDS				312	mg/L	1.00	2.50	5.00	10200114	SM2540 C	10-33-3	06/27/12	
1,1,2-Tetrachloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	630-20-6	07/02/12	
1,1,1-Trichloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	71-55-6	07/02/12	
1,1,2,2-Tetrachloroethane				0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260	79-34-5	07/02/12	
1,1,2-Trichloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	79-00-5	07/02/12	
1,1-Dichloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-34-3	07/02/12	
1,1-Dichloroethene				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-35-4	07/02/12	



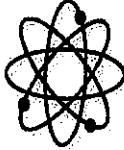
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PO. Box 150597, Altamonte Springs FL 32715-0597  
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Atkins  
4030 W. Boy Scout Blvd; Ste 700  
Tampa, FL 33607

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

Lab #:	179013GW1	Sampled:	06/26/12 10:19 AM	Desc:	MW #2/297	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter		Result	ug/L	1.00	0.500	1.00			10200317	EPA8260	107-06-2	07/02/12	
1,2-dichloroethane	0.500 U	ug/L	1.00	0.200	0.400				10200317	EPA8260	78-87-5	07/02/12	
1,2-dichloropropane	0.200 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	78-93-3	07/02/12	
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	591-78-6	07/02/12	
2-Hexanone	0.500 U	ug/L	1.00	5.00	10.0				10200317	EPA8260	67-64-1	07/02/12	
Acetone	5.00 U	ug/L	1.00	0.300	0.600				10200317	EPA8260	107-13-1	07/02/12	
Acrylonitrile	0.300 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	71-43-2	07/02/12	
Benzene	0.500 U	ug/L	1.00	0.100	1.00				10200317	EPA8260	074-97-5	07/02/12	
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.200				10200317	EPA8260	75-27-4	07/02/12	
Bromodichloromethane	0.100 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	75-25-2	07/02/12	
Bromofom	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	74-83-9	07/02/12	
Bromomethane	0.500 U	ug/L	1.00	1.00	2.00				10200317	EPA8260	75-15-0	07/02/12	
Carbon Disulfide	1.00 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	56-23-5	07/02/12	
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	108-90-7	07/02/12	
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	75-00-3	07/02/12	
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	67-66-3	07/02/12	
Chloroform	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	74-87-3	07/02/12	
Ethylbenzene	0.400 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	124-48-1	07/02/12	
Chloromethane	0.400 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	074-95-3	07/02/12	
Dibromochloromethane	0.500 U	ug/L	1.00	0.500	2.00				10200317	EPA8260	100-41-4	07/02/12	
Dibromomethane	0.500 U	ug/L	1.00	1.00	2.00				10200317	EPA8260	074-88-4	07/02/12	
Ethylbenzene	1.00 U	ug/L	1.00	0.400	0.800				10200317	EPA8260	07/02/12	07/02/12	
Methyl Iodide	1.00 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	108-10-1	07/02/12	
Methyl isobutyl ketone	1.00 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	75-09-2	07/02/12	
Methylene chloride	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	108-88-3	07/02/12	
Methylchlorobenzene	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	79-01-6	07/02/12	
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260	75-69-4	07/02/12	
Styrene	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260			
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260			
Toluene	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260			
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260			
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00				10200317	EPA8260			



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 Phone: 850-973-6878 / Fax: 850-973-6878      E82405 (North Lab)  
 Phone: 305-743-8598 / Fax: 305-743-8598      E35834 (Keys Lab)

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012, Invoice: 179013

**Lab #: 179013GW3      Sampled: 06/26/12 12:51 PM      Desc: MW #4/299**

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	102000428	EPA8011	096-18-4	07/02/12
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	102000428	EPA8011	106-93-4	07/02/12
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	102000428	EPA8011	96-12-8	07/02/12
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	102000484	EPA350.1	7664-41-7	07/05/12
Field Ground Water Elevation	82.4	ft	1.00	-10.0	-10.0	102000679	FT1000		06/26/12
Field pH (units)	5.71	pH	1.00	0.0100	0.0200	102000679	FT1100	C006	06/26/12
Field Conductivity	0.742	umhos/cm	1.00	0.100	0.100	102000679	FT1200		06/26/12
Field Temp. (C)	24.5	oC	1.00	0.100	0.100	102000679	FT1400		06/26/12
Field DO	3.01	mg/L	1.00	0.100	0.100	102000679	FT1500		06/26/12
Field Turbidity	3.07	NTU	1.00	0.100	0.100	102000679	FT1600		06/26/12

**Lab #: 179013GW4      Sampled: 06/26/12 01:51 PM      Desc: MW #5/300**

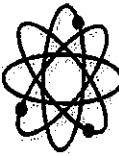
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	9.26	mg/L	1.00	4.00	8.00	10196954	SM4500-CIE	16887-00-6	06/28/12
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10199947	EPA470	7439-97-6	06/27/12
Nitrate(as N)	0.320	mg/L	1.00	0.0100	0.0200	102000000	EPA353.2	14797-55-8	06/27/12 02:05 PM
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10200035	EPA6020	7440-36-0	06/27/12
Arsenic	0.00121 I	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-38-2	06/27/12
Barium	0.00235 I	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7440-39-3	06/27/12
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020	7440-41-7	06/27/12
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-43-9	06/27/12
Chromium	0.00119 I	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-47-3	06/27/12
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-48-4	06/27/12
Copper	0.00102 I	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-50-8	06/27/12
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7439-92-1	06/27/12
Nickel	0.00214	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-02-0	06/27/12
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7782-49-2	06/27/12
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020	7440-22-4	06/27/12
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-28-0	06/27/12

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015

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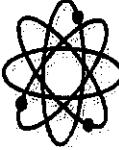
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Atkins  
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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

Lab #:	179013GW4	Sampled:	06/26/12 01:51 PM	Desc:	MW#5/300	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Vanadium	0.0118	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-62-2	06/27/12					
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10200035	EPA6020	7440-66-6	06/27/12					
Iron	1.05	mg/L	1.00	0.0100	0.0200	10200057	EPA6010	7439-89-6	06/27/12					
Sodium	6.67	mg/L	1.00	0.500	1.00	10200057	EPA6010	7440-23-5	06/27/12					
TDS	140	mg/L	1.00	2.50	5.00	10200114	SM2540-C	10-33-3	06/27/12					
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	630-20-6	07/02/12					
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	71-55-6	07/02/12					
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260	79-34-5	07/02/12					
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	79-00-5	07/02/12					
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-34-3	07/02/12					
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-35-4	07/02/12					
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	107-06-2	07/02/12					
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA8260	78-87-5	07/02/12					
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	78-93-3	07/02/12					
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	591-78-6	07/02/12					
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA8260	67-64-1	07/02/12					
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10200317	EPA8260	107-13-1	07/02/12					
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	71-43-2	07/02/12					
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10200317	EPA8260	074-97-5	07/02/12					
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260	75-27-4	07/02/12					
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-25-2	07/02/12					
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	74-83-9	07/02/12					
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	75-15-0	07/02/12					
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	56-23-5	07/02/12					
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	108-90-7	07/02/12					
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-00-3	07/02/12					
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	67-66-3	07/02/12					
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	74-87-3	07/02/12					
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10200317	EPA8260	124-48-1	07/02/12					



# FLOWERS CHEMICAL LABORATORIES INC.

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Phone: 407-339-5984 / Fax: 407-260-6110  
Phone: 722-343-8006 / Fax: 772-543-8089  
E83018 (Main Lab)  
E83562 (South Lab)  
Phone: 950-973-6878 / Fax: 850-973-6878  
E82405 (North Lab)  
E35834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

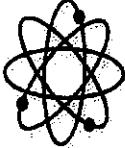
Lab #:	179013GW4	Sampled:	06/26/12 01:51 PM	Desc:	MW #5/300	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
						0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	074-95-3	07/02/12
	Dibromomethane					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	100-41-4	07/02/12
	Ethylbenzene					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA260	074-88-4	07/02/12
	Methyl Iodide					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA260	108-10-1	07/02/12
	Methyl isobutyl ketone					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA260	75-09-2	07/02/12
	Methylene chloride					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA260	106-46-7	07/02/12
	Para-dichlorobenzene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	100-42-5	07/02/12
	Styrene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	127-18-4	07/02/12
	Tetrachloroethene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	108-88-3	07/02/12
	Toluene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	79-01-6	07/02/12
	Trichloroethene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	75-69-4	07/02/12
	Trichlorofluoromethane					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	108-54	07/02/12
	Vinyl Acetate					5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA260	75-01-4	07/02/12
	Vinyl chloride					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	1330-20-7	07/02/12
	Xylenes					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA260	156-59-2	07/02/12
	cis-1,2-Dichloroethene					0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA260	10061-01-5	07/02/12
	cis-1,3-Dichloropropene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	95-50-1	07/02/12
	o-dichlorobenzene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	156-60-5	07/02/12
	trans-1,2-dichloroethene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	10061-02-6	07/02/12
	trans-1,3-Dichloropropene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	110-57-6	07/02/12
	trans-1,4-dichloro-2-butene					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA260	096-18-4	07/02/12
	Surr:1,2-Dichloroethane-d4 (77-129%)					95.73%	U	1.00	0.0100	0.0100	10200428	EPA8011	106-93-4	07/02/12
	Surr:Bromofluorobenzene (82-122%)					88.50%	U	1.00	1.00	1.00	10200428	EPA8011	96-12-8	07/02/12
	Surr:Toluene-d8 (80-120%)					99.53%	U	1.00	0.0100	0.0100	10200428	EPA8011	7664-41-7	07/05/12
	1,2,3-Trichloropropane					0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA8011	06/26/12	06/26/12
	1,2-Dibromoethane (EDB)					0.0100 U	ug/L	1.00	0.0100	0.0200	10200428	EPA8011	06/26/12	06/26/12
	1,2-dibromo-3-chloropropane					0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA8011	06/26/12	06/26/12
	Ammonia (as N)					0.0100 U	mg/L	1.00	0.0100	0.0200	10200484	EPA350.1	06/26/12	06/26/12
	Field Ground Water Elevation					81.9 ft	pH	1.00	-10.0	-10.0	10200679	FT1100		
	Field pH (units)					4.72		1.00	0.0100	0.0200	10200679	FT1100	C006	

FLDOH: E83018 (Main Lab)

FLDOH: E866562 (South Lab)

FLDOH: E82405 (North Lab)

NJDEP: EL015



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Phone: 407-339-5984 / Fax: 407-260-6100 E83018 (Main Lab)  
 Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
 Phone: 850-913-6878 / Fax: 850-973-6978 E82405 (North Lab)  
 Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

Atkins  
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 Tampa, FL 33607

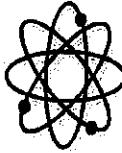
PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

**Lab #: 179013GW4**   **Sampled:** 06/26/12 01:51 PM   **Desc:** MW #5/300  
**Parameter**      **Result**      **Units**      **MW #5/300**  
 Field Conductivity      0.201      umhos/cm      1.00      0.100      0.100  
 Field Temp. (C)      27.1      oC      1.00      0.100      0.100  
 Field DO      4.32      mg/L      1.00      0.100      0.100  
 Field Turbidity      3.49      NTU      1.00      0.100      0.100

**Parameter**      **Result**      **Units**      **MW #5/300**  
 Field Conductivity      0.201      umhos/cm      1.00      0.100      0.100  
 Field Temp. (C)      27.1      oC      1.00      0.100      0.100  
 Field DO      4.32      mg/L      1.00      0.100      0.100  
 Field Turbidity      3.49      NTU      1.00      0.100      0.100

**Lab #: 179013GW5**   **Sampled:** 06/26/12 02:38 PM   **Desc:** MW-8/19255  
**Parameter**      **Result**      **Units**      **MW-8/19255**  
 Chloride      7.05 I      mg/L      1.00      4.00      8.00      10196 954      SM4500-C1/E      16887-00-6  
 Mercury      0.0000200 U      mg/L      1.00      0.0000200      0.0000400      10199 947      EPA7470      7439-97-6  
 Nitrate(as N)      0.0100 U      mg/L      1.00      0.0100      0.0200      10200 0000      EPA353.2      14797-55-8  
 Antimony      0.00200 U      mg/L      1.00      0.00200      0.00800      10200 035      EPA6020      7440-36-0  
 Arsenic      0.00112 I      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7440-38-2  
 Barium      0.00200 U      mg/L      1.00      0.00200      0.00400      10200 035      EPA6020      7440-39-3  
 Beryllium      0.000500 U      mg/L      1.00      0.000500      0.00100      10200 035      EPA6020      7440-41-7  
 Cadmium      0.00100 U      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7440-43-9  
 Chromium      0.00100 U      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7440-47-3  
 Cobalt      0.00100 U      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7440-48-4  
 Copper      0.00190 I      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7440-50-8  
 Lead      0.00100 U      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7439-92-1  
 Nickel      0.00456 mg/L      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7440-02-0  
 Selenium      0.00200 U      mg/L      1.00      0.00200      0.00400      10200 035      EPA6020      7782-49-2  
 Silver      0.000500 U      mg/L      1.00      0.000500      0.00100      10200 035      EPA6020      7440-22-4  
 Thallium      0.00100 U      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7440-28-0  
 Vanadium      0.00534 mg/L      mg/L      1.00      0.00100      0.00200      10200 035      EPA6020      7440-62-2  
 Zinc      0.0686 mg/L      mg/L      1.00      0.0100      0.0200      10200 035      EPA6020      7440-66-6  
 Iron      0.658 mg/L      mg/L      1.00      0.0100      0.0200      10200 057      EPA6010      7439-89-6  
 Sodium      5.94 mg/L      mg/L      1.00      0.500      1.00      10200 057      EPA6010      7440-23-5  
 TDS      288 ug/L      ug/L      1.00      0.500      5.00      10200 114      SM2540 C      10-33-3  
 1,1,2-Tetrachloroethane      0.500 U      ug/L      1.00      0.500      1.00      10200 0317      EPA8260      630-20-6

FLDOH: E83018 (Main Lab)      FLDOH: E86562 (South Lab)      FLDOH: E82405 (North Lab)      NJDEP: FL015



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E35834 (Keys Lab)

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4030 W Boy Scout Blvd, Ste 700  
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PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

Lab #:	179013GW5	Sampled:	06/26/12 02:38 PM	Desc:	MW-8/19255	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter		Result				ug/L	1.00	0.500	1.00	10200317	EPA8260	71-55-6	07/02/12
1,1,1-Trichloroethane	0.500 U	ug/L	0.100 U	0.100	0.200					10200317	EPA8260	79-34-5	07/02/12
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	79-00-5	07/02/12
1,1,2-Trichloroethane	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	75-34-3	07/02/12
1,1-Dichloroethane	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	75-35-4	07/02/12
1,1-Dichloroethene	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	107-06-2	07/02/12
1,2-dichloropropane	0.200 U	ug/L	0.200 U	0.200	0.400					10200317	EPA8260	78-87-5	07/02/12
1,2-dichloropropane	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	78-93-3	07/02/12
2-Butanone (MEK)	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	59-1-78-6	07/02/12
2-Hexanone	5.00 U	ug/L	0.100 U	0.100	0.200					10200317	EPA8260	67-64-1	07/02/12
Acetone	0.300 U	ug/L	0.300 U	0.300	0.600					10200317	EPA8260	107-13-1	07/02/12
Acrylonitrile	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	71-43-2	07/02/12
Benzene	0.100 U	ug/L	0.100 U	0.100	0.200					10200317	EPA8260	074-97-5	07/02/12
Bromochloromethane	0.100 U	ug/L	0.100 U	0.100	0.200					10200317	EPA8260	75-27-4	07/02/12
Bromodichloromethane	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	75-25-2	07/02/12
Bromoform	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	74-83-9	07/02/12
Bromomethane	1.00 U	ug/L	1.00 U	1.00	2.00					10200317	EPA8260	75-15-0	07/02/12
Carbon Disulfide	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	56-23-5	07/02/12
Carbon Tetrachloride	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	108-90-7	07/02/12
Chlorobenzene	0.400 U	ug/L	0.400 U	0.400	0.800					10200317	EPA8260	124-48-1	07/02/12
Chloroethane	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	074-95-3	07/02/12
Chloroform	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	100-41-4	07/02/12
Chloromethane	1.00 U	ug/L	1.00 U	1.00	2.00					10200317	EPA8260	074-88-4	07/02/12
Dibromochloromethane	0.400 U	ug/L	0.400 U	0.400	0.800					10200317	EPA8260	108-10-1	07/02/12
Dibromomethane	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	75-09-2	07/02/12
Ethybenzene	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260	106-46-7	07/02/12
Methyl Iodide	1.00 U	ug/L	1.00 U	1.00	2.00					10200317	EPA8260		
Methyl Isobutyl ketone	1.00 U	ug/L	1.00 U	1.00	2.00					10200317	EPA8260		
Methylene chloride	1.00 U	ug/L	1.00 U	1.00	2.00					10200317	EPA8260		
Para-dichlorobenzene	0.500 U	ug/L	0.500 U	0.500	1.00					10200317	EPA8260		

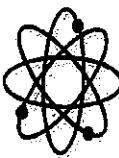
FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NUDEP: FL015

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# FLOWERS CHEMICAL LABORATORIES INC.

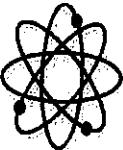
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PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
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Lab #:	179013GW5	Sampled:	06/26/12 02:38 PM	Desc:	MW-8/19255	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter														
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	100-42-5	07/02/12					
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	127-18-4	07/02/12					
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	108-88-3	07/02/12					
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	79-01-6	07/02/12					
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	75-69-4	07/02/12					
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA260	108-05-4	07/02/12					
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	75-01-4	07/02/12					
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA260	1330-20-7	07/02/12					
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA260	156-59-2	07/02/12					
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	10061-01-5	07/02/12					
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	95-50-1	07/02/12					
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	156-60-5	07/02/12					
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA260	10061-02-6	07/02/12					
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA260	110-57-6	07/02/12					
Surr:1,2-Dichloroethane-d4 (77-129%)	94.77%		1.00	0.0100	0.0100	10200317	EPA260							
Surr:Bromodifluorobenzene (82-122%)	87.63%		1.00	1.00	1.00	10200317	EPA260	460-00-4	07/02/12					
Surr:Toluene-d8 (80-120%)	98.40%		1.00	0.0100	0.0100	10200317	EPA260		07/02/12					
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA8011	096-18-4	07/02/12					
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10200428	EPA8011	106-93-4	07/02/12					
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA350.1	96-12-8	07/02/12					
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10200484	EPA350.1	7664-41-7	07/05/12					
Field Ground Water Elevation	83.1	ft	1.00	-10.0	-10.0	10200679	FT1000		06/26/12					
Field pH (units)	5.73	pH	1.00	0.0100	0.0200	10200679	FT1100	C006	06/26/12					
Field Conductivity	0.377	umhos/cm	1.00	0.100	0.100	10200679	FT1200		06/26/12					
Field Temp. (C)	27.8	oC	1.00	0.100	0.100	10200679	FT1400		06/26/12					
Field DO	4.12	mg/L	1.00	0.100	0.100	10200679	FT1500		06/26/12					
Field Turbidity	4.15	NTU	1.00	0.100	0.100	10200679	FT1600		06/26/12					



# FLOWERS CHEMICAL LABORATORIES INC.

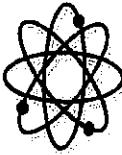
PO Box 150597 Altamonte Springs FL 32715-0597  
571 NW Mercantile Pl. Suite 111, Port St. Lucie FL 34986  
PO. Box 1200, Madison FL 32341  
3980 Overseas Hwy Suite 103, Marathon FL 33050

Phone: 407-339-5984 / Fax: 407-260-6110  
E83018 (Main Lab)  
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E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878  
E82405 (North Lab)  
Phone: 305-743-9598 / Fax: 305-743-8598  
E59334 (Key's Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

Parameter	Lab #:	Sampled:	Desc:	MW-12R/22931	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	4.15 I	mg/L	1.00	4.00	8.00					10196954	SM4500-CIE	16887-00-6	06/28/12
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10199947	EPA470					7439-97-6	06/27/12
Nitrate(as N)	1.07	mg/L	1.00	0.0100	0.0200	10200000	EPA353.2					14797-55-8	06/27/12
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10200035	EPA6020					7440-36-0	06/27/12
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7440-38-2	06/27/12
Barium	0.00224 I	mg/L	1.00	0.00200	0.00400	10200035	EPA6020					7440-39-3	06/27/12
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020					7440-41-7	06/27/12
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7440-43-9	06/27/12
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7440-47-3	06/27/12
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7440-48-4	06/27/12
Copper	0.00176 I	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7440-50-8	06/27/12
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7439-92-1	06/27/12
Nickel	0.00358 mg/L	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7440-02-0	06/27/12
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10200035	EPA6020					7782-49-2	06/27/12
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020					7440-22-4	06/27/12
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7440-28-0	06/27/12
Vanadium	0.00693 mg/L	mg/L	1.00	0.00100	0.00200	10200035	EPA6020					7440-62-2	06/27/12
Zinc	0.0610 mg/L	ug/L	1.00	0.0100	0.0200	10200035	EPA6020					7440-66-6	06/27/12
Iron	0.0373 mg/L	mg/L	1.00	0.0100	0.0200	10200057	EPA6010					7439-89-6	06/27/12
Sodium	4.85 mg/L	mg/L	1.00	0.500	1.00	10200057	EPA6010					7440-23-5	06/27/12
TDS	268 mg/L	mg/L	1.00	2.50	5.00	10200114	SM2540 C					10-33-3	06/27/12
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260					630-20-6	07/02/12
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260					71-55-6	07/02/12
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260					79-34-5	07/02/12
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260					79-00-5	07/02/12
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260					75-34-3	07/02/12
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260					75-35-4	07/02/12
1,2-dichloropropane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260					107-06-2	07/02/12
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA8260					78-87-5	07/02/12



# FLOWERS CHEMICAL LABORATORIES INC.

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571 NW Mercantile Pl. Suite 111, Port St. Lucie FL 34986  
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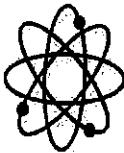
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EB3018 (Main Lab)  
E86562 (South Lab)  
EB2405 (North Lab)  
E35834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

Parameter	Result	Sampled: 06/26/12 03:33 PM	Desc: MW-12R/22931	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	78-93-3	07/02/12		
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	591-78-6	07/02/12		
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA8260	67-64-1	07/02/12		
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10200317	EPA8260	107-13-1	07/02/12		
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	71-43-2	07/02/12		
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10200317	EPA8260	074-97-5	07/02/12		
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260	75-27-4	07/02/12		
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-25-2	07/02/12		
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	74-83-9	07/02/12		
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	75-15-0	07/02/12		
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	56-23-5	07/02/12		
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	108-90-7	07/02/12		
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-00-3	07/02/12		
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	67-66-3	07/02/12		
Chloromethane	3.09	ug/L	1.00	0.500	1.00	10200317	EPA8260	74-87-3	07/02/12		
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10200317	EPA8260	124-48-1	07/02/12		
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	074-95-3	07/02/12		
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	100-41-4	07/02/12		
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	074-88-4	07/02/12		
Methyl Isobutyl Ketone	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	108-10-1	07/02/12		
Methylene Chloride	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	75-09-2	07/02/12		
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	106-46-7	07/02/12		
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	100-42-5	07/02/12		
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	127-18-4	07/02/12		
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	108-88-3	07/02/12		
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	79-01-6	07/02/12		
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-69-4	07/02/12		
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA8260	108-05-4	07/02/12		
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-01-4	07/02/12		



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E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
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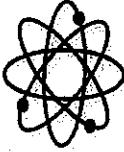
Atkins  
4030 W. Boy Scout Blvd, Ste 700  
Tampa, FL 33607

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013.

**Lab #: 179013GW6   Sampled: 06/26/12 03:33 PM   Desc: MW-12R/22931**

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	1330-20-7	07/02/12
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA8260	156-59-2	07/02/12
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	10061-01-5	07/02/12
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	95-50-1	07/02/12
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	156-60-5	07/02/12
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	10061-02-6	07/02/12
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	110-57-6	07/02/12
Sur:1,2-Dichloroethane-d4 (77-129%)	93.67%								
Sur:Bromo fluoro benzene (82-122%)	88.80%								
Sur:Toluene-d8 (80-122%)	98.57%								
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10200317	EPA8260	460-00-4	07/02/12
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10200428	EPA8011	096-18-4	07/02/12
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA8011	106-93-4	07/02/12
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10200484	EPA350.1	96-12-8	07/02/12
Field Ground Water Elevation	82.4	ft	1.00	-10.0	-10.0	10200679	FT1000	7664-41-7	07/05/12
Field pH (units)	5.81	pH	1.00	0.0100	0.0200	10200679	FT1100	C006	06/26/12
Field Conductivity	0.288	umhos/cm	1.00	0.100	0.100	10200679	FT1200		06/26/12
Field Temp. (C)	26.5	oC	1.00	0.100	0.100	10200679	FT1400		06/26/12
Field DO	4.94	mg/L	1.00	0.100	0.100	10200679	FT1500		06/26/12
Field Turbidity	2.66	NTU	1.00	0.100	0.100	10200679	FT1600		06/26/12
<b>Lab #: 179013GW7   Sampled: 06/26/12 03:55 PM   Desc: MW-11/21882</b>									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	17.9	mg/L	1.00	4.00	8.00	10197567	SM4500-CIE	16887-00-6	06/28/12
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10199447	EPA7470	7439-97-6	06/27/12
Nitrate(as N)	1.01	mg/L	1.00	0.0100	0.0200	10200000	EPA353.2	14797-55-8	06/27/12
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10200035	EPA6020	7440-36-0	06/27/12
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-38-2	06/27/12
Barium	0.0140	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7440-39-3	06/27/12

FLDOH: E83018 (Main Lab)      FLDOH: E86562 (South Lab)      FLDOH: E82405 (North Lab)      NJDEP: FL015



# FLOWERS CHEMICAL LABORATORIES INC.

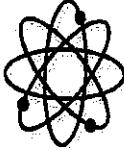
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E35834 (Keys Lab)

Atkins  
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PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

Lab #:	179013GW7	Sampled:	06/26/12 03:55 PM	Desc:	MW-11/2/1882	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020	7440-41-7	06/27/12						
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-43-9	06/27/12						
Chromium	0.00109 I	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-47-3	06/27/12						
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-48-4	06/27/12						
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-50-8	06/27/12						
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7439-92-1	06/27/12						
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-02-0	06/27/12						
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7782-49-2	06/27/12						
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020	7440-22-4	06/27/12						
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-28-0	06/27/12						
Vanadium	0.00454	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-62-2	06/27/12						
Zinc	0.0534	mg/L	1.00	0.0100	0.0200	10200035	EPA6020	7440-66-6	06/27/12						
Iron	0.130	mg/L	1.00	0.0100	0.0200	10200057	EPA6010	7439-89-6	06/27/12						
Sodium	8.64	mg/L	1.00	0.500	1.00	10200057	EPA6010	7440-23-5	06/27/12						
TDS	56.0	mg/L	1.00	2.50	5.00	10200114	SM2540 C	10-33-3	06/27/12						
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	630-20-6	07/02/12						
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	71-55-6	07/02/12						
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260	79-34-5	07/02/12						
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	79-00-5	07/02/12						
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-34-3	07/02/12						
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-35-4	07/02/12						
1,2-dichloroethane	5.00 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	107-06-2	07/02/12						
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA8260	78-87-5	07/02/12						
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	78-93-3	07/02/12						
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	591-78-6	07/02/12						
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA8260	67-64-1	07/02/12						
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10200317	EPA8260	107-13-1	07/02/12						
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	71-43-2	07/02/12						
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10200317	EPA8260	074-97-5	07/02/12						



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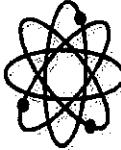
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PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

**Lab #:** 179013GW7    **Sampled:** 06/26/12 03:55 PM    **Desc:** MW-11/2/1882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260	75-27-4	07/02/12
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-25-2	07/02/12
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	74-83-9	07/02/12
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	75-15-0	07/02/12
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	56-23-5	07/02/12
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	108-90-7	07/02/12
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-00-3	07/02/12
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	67-66-3	07/02/12
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	74-87-3	07/02/12
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10200317	EPA8260	124-48-1	07/02/12
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	074-95-3	07/02/12
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	100-41-4	07/02/12
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	074-88-4	07/02/12
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	108-10-1	07/02/12
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	75-09-2	07/02/12
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	106-46-7	07/02/12
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	100-42-5	07/02/12
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	127-18-4	07/02/12
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	108-88-3	07/02/12
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	79-01-6	07/02/12
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-69-4	07/02/12
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA8260	108-05-4	07/02/12
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	95-50-1	07/02/12
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	1330-20-7	07/02/12
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA8260	156-59-2	07/02/12
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	10061-01-5	07/02/12
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	156-60-5	07/02/12
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	10061-02-6	07/02/12
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260		



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E35834 (Keys Lab)

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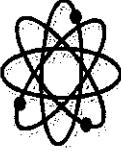
PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

**Lab #:** 179013GW7    **Sampled:** 06/26/12 03:55 PM    **Desc:** MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	110-57-6	07/02/12
Surr:1,2-Dichloroethane-d4 (77-129%)	96.67%		1.00	0.0100	0.0100	10200317	EPA8260	07/02/12	07/02/12
Surr:Bromofluorobenzene (82-122%)	86.83%		1.00	1.00	1.00	10200317	EPA8260	07/02/12	07/02/12
Surr:Toluene-d8 (80-120%)	99.17%		1.00	0.0100	0.0100	10200317	EPA8260	07/02/12	07/02/12
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA8011	096-18-4	07/02/12
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10200428	EPA8011	106-93-4	07/02/12
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA8011	96-12-8	07/02/12
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10200484	EPA350.1	7664-41-7	07/05/12
Field Ground Water Elevation	81.1	ft	1.00	-10.0	-10.0	10200679	FT1000	06/26/12	06/26/12
Field pH (units)	3.80	pH	1.00	0.0100	0.0200	10200679	FT1100	C006	06/26/12
Field Conductivity	0.116	umhos/cm	1.00	0.100	0.100	10200679	FT1200		06/26/12
Field Temp. (C)	25.2	oC	1.00	0.100	0.100	10200679	FT1400		06/26/12
Field DO	7.68	mg/L	1.00	0.100	0.100	10200679	FT1500		06/26/12
Field Turbidity	8.88	NTU	1.00	0.100	0.100	10200679	FT1600		06/26/12

**Lab #:** 179013GW8    **Sampled:** 06/26/12 04:37 PM    **Desc:** MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	16.2	mg/L	1.00	4.00	8.00	10196954	SM4500-CIE	16887-00-6	06/28/12
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10199947	EPA470	7439-97-6	06/27/12
Nitrate(as N)	0.144	mg/L	1.00	0.0100	0.0200	10200000	EPA353.2	14797-55-8	06/27/12
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10200035	EPA6020	7440-36-0	06/27/12
Arsenic	0.00265	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-38-2	06/27/12
Barium	0.0113	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7440-39-3	06/27/12
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020	7440-41-7	06/27/12
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-43-9	06/27/12
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-47-3	06/27/12
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-48-4	06/27/12
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-50-8	06/27/12
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7439-92-1	06/27/12



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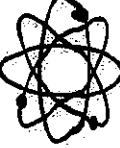
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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

Parameter	Lab #:	Sampled:	Desc:	MW-10R/22930	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nickel				0.00253	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-02-0	06/27/12	
Selenium				0.00200 U	mg/L	1.00	0.00200	0.00400	10200035	EPA6020	7782-49-2	06/27/12	
Silver				0.000500 U	mg/L	1.00	0.000500	0.00100	10200035	EPA6020	7440-22-4	06/27/12	
Thallium				0.00100 U	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-28-0	06/27/12	
Vanadium				0.00294	mg/L	1.00	0.00100	0.00200	10200035	EPA6020	7440-62-2	06/27/12	
Zinc				0.0100 U	mg/L	1.00	0.0100	0.0200	10200035	EPA6020	7440-66-6	06/27/12	
Iron				17.1	mg/L	1.00	0.0100	0.0200	10200057	EPA6010	7439-89-6	06/27/12	
Sodium				12.0	mg/L	1.00	0.500	1.00	10200057	EPA6010	7440-23-5	06/27/12	
TDS				242	mg/L	1.00	2.50	5.00	10200114	SM2540 C	10-33-3	06/27/12	
1,1,1,2-Tetrachloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	630-20-6	07/02/12	
1,1,1-Trichloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	71-55-6	07/02/12	
1,1,2,2-Tetrachloroethane				0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260	79-34-5	07/02/12	
1,1,2-Trichloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	79-00-5	07/02/12	
1,1-Dichloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-34-3	07/02/12	
1,1-Dichloroethene				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-35-4	07/02/12	
1,2-dichloroethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	107-06-2	07/02/12	
1,2-dichloropropane				0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA8260	78-87-5	07/02/12	
2-Butanone (MEK)				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	78-93-3	07/02/12	
2-Hexanone				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	591-78-6	07/02/12	
Acetone				5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA8260	67-64-1	07/02/12	
Acrylonitrile				0.300 U	ug/L	1.00	0.300	0.600	10200317	EPA8260	107-13-1	07/02/12	
Benzene				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	71-43-2	07/02/12	
Bromochloromethane				0.100 U	ug/L	1.00	0.100	1.00	10200317	EPA8260	074-97-5	07/02/12	
Bromodichloromethane				0.100 U	ug/L	1.00	0.100	0.200	10200317	EPA8260	75-27-4	07/02/12	
Bromoform				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-25-2	07/02/12	
Bromomethane				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	74-83-9	07/02/12	
Carbon Disulfide				1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	75-15-0	07/02/12	
Carbon Tetrachloride				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	56-23-5	07/02/12	
Chlorobenzene				0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	108-90-7	07/02/12	



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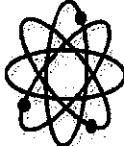
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PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

Parameter	Lab #:	Sampled:	Desc:	MW-10R/22930	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloroethane	179013GW8	06/26/12 04:37 PM			0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-00-3	07/02/12
Chloroform					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	67-66-3	07/02/12
Chlormethane					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	74-87-3	07/02/12
Dibromochloromethane					0.400 U	ug/L	1.00	0.400	0.800	10200317	EPA8260	124-48-1	07/02/12
Dibromomethane					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	074-95-3	07/02/12
Ethylbenzene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	100-41-4	07/02/12
Methyl Iodide					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	074-88-4	07/02/12
Methyl Isobutyl Ketone					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	108-10-1	07/02/12
Methylene chloride					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	75-09-2	07/02/12
Para-dichlorobenzene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	106-46-7	07/02/12
Styrene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	100-42-5	07/02/12
Tetrachloroethene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	127-18-4	07/02/12
Toluene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	108-88-3	07/02/12
Trichloroethene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	79-01-6	07/02/12
Trichlorofluoromethane					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-69-4	07/02/12
Vinyl Acetate					5.00 U	ug/L	1.00	5.00	10.0	10200317	EPA8260	108-05-4	07/02/12
Vinyl chloride					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	75-01-4	07/02/12
Xylenes					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	1330-20-7	07/02/12
cis-1,2-dichloroethene					0.200 U	ug/L	1.00	0.200	0.400	10200317	EPA8260	156-59-2	07/02/12
cis-1,3-Dichloropropene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	10061-01-5	07/02/12
o-dichlorobenzene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	95-50-1	07/02/12
trans-1,2-dichloroethene					0.500 U	ug/L	1.00	0.500	1.00	10200317	EPA8260	156-60-5	07/02/12
trans-1,3-Dichloropropene					1.00 U	ug/L	1.00	1.00	2.00	10200317	EPA8260	10061-02-6	07/02/12
trans-1,4-dichloro-2-butene					1.00 U	ug/L	1.00	0.0100	0.0100	10200317	EPA8260	110-57-6	07/02/12
Surr:1,2-Dichloroethane-d4 (77-129%)					96.13%		1.00	1.00	1.00	10200317	EPA8260	07/02/12	
Surr: Bromofluorobenzene (82-122%)					87.37%		1.00	0.0100	0.0100	10200317	EPA8260	460-00-4	07/02/12
Surr: Toluene-d8 (80-1120%)					100.10%		1.00	0.0200	0.0400	10200428	EPA8011	096-18-4	07/02/12
1,2,3-Trichloropropane					0.0200 U	ug/L	1.00	0.0100	0.0200	10200428	EPA8011	106-93-4	07/02/12
1,2-Dibromoethane (EDB)					0.0100 U	ug/L	1.00	0.0100	0.0200				



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## Quality Control Batch: 102000035

### Laboratory Control Sample

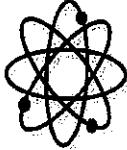
	Analyst: EVB	Result	Units	Spike	%REC	%REC Lim
Chromium	0.109	mg/L	0.100	108.64	87.00-122.96	
Cobalt	0.108	mg/L	0.100	107.53	78.66-126.98	
Copper	0.106	mg/L	0.100	106.28	84.08-122.69	
Lead	0.0963	mg/L	0.100	96.31	86.91-124.18	
Nickel	0.108	mg/L	0.100	107.56	77.31-126.31	
Selenium	0.0973	mg/L	0.100	97.25	75.98-121.42	
Silver	0.0958	mg/L	0.100	95.75	79.76-119.92	
Thallium	0.0946	mg/L	0.100	94.64	80.95-125.84	
Vanadium	0.109	mg/L	0.100	108.91	78.51-125.51	
Zinc	0.113	mg/L	0.100	112.52	79.82-122.80	

### Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.109	mg/L	0.100	108.93	73.48-142.27	0.00200U
Arsenic	0.119	mg/L	0.100	114.53	73.05-140.45	0.00493
Barium	0.124	mg/L	0.100	106.15	70.68-156.87	0.0177
Beryllium	0.103	mg/L	0.100	103.30	89.27-154.67	0.000500U
Cadmium	0.117	mg/L	0.100	117.12	76.87-137.80	0.00100U
Chromium	0.113	mg/L	0.100	109.62	67.91-144.29	0.00302
Cobalt	0.108	mg/L	0.100	107.58	68.92-150.01	0.00100U
Copper	0.106	mg/L	0.100	105.92	57.64-148.77	0.00100U
Lead	0.100	mg/L	0.100	98.18	69.09-150.83	0.00217
Nickel	0.110	mg/L	0.100	106.69	58.01-145.27	0.00314
Selenium	0.115	mg/L	0.100	114.50	63.72-144.34	0.00200U
Silver	0.0910	mg/L	0.100	91.04	48.94-146.79	0.000500U
Thallium	0.103	mg/L	0.100	103.11	68.93-151.79	0.00100U
Vanadium	0.115	mg/L	0.100	110.43	72.08-149.74	0.00442
Zinc	0.132	mg/L	0.100	131.93	51.79-149.89	0.0100U

### Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
FLDOH: E83018 (Main Lab)	FLDOH: E86562 (South Lab)	FLDOH: E82405 (North Lab)	NUDEP: FL015					



# FLOWERS CHEMICAL LABORATORIES INC.

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 571 NW Mercantile Pl Suite 111, Port St. Lucie, FL 34986  
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 3980 Overseas Hwy Suite 102, Marathon FL 33050

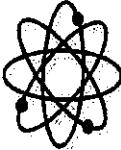
Phone: 407-339-5984 / Fax: 407-260-6110      E83018 (Main Lab)  
 Phone: 772-343-8006 / Fax: 772-343-8079      E86562 (South Lab)  
 Phone: 850-973-6878 / Fax: 850-973-6879      E82405 (North Lab)  
 Phone: 305-743-8598 / Fax: 305-743-8598      E35834 (Keys Lab)

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
			mg/L	5.00	117.97	57.02-147.60	2.44	12.11	19.53
Iron	Sodium	Result	Units	5.00	113.99	37.63-161.64	13.4	5.60	19.20
<b>Quality Control Batch: 10200114</b>		<b>Analyst: PLB</b>							
Blank	TDS	Result	Units	Spike	%REC	%REC Lim			
		2.50U	mg/L	1500	101.07	91.15-105.70			
<b>Laboratory Control Sample</b>		<b>Analyst: PLB</b>							
TDS		Result	Units	Spike	%REC	%REC Lim			
		1520	mg/L	1500	101.07	91.15-105.70			

<b>Quality Control Batch: 10200317</b>	<b>Analyst: CLS</b>
Blank	Result
Acetone	5.00U
Acrylonitrile	ug/L
Benzene	0.300U
Bromoform	0.500U
Bromochloromethane	0.100U
Bromodichloromethane	0.100U
Bromoform	0.500U
Bromomethane	0.500U
Carbon Disulfide	1.00U
Carbon Tetrachloride	0.500U
Chlorobenzene	0.500U
Chloroethane	0.500U
Chloroform	0.500U
Chloromethane	0.500U
cis-1,2-dichloroethene	0.200U
cis-1,3-Dichloropropene	0.500U
Dibromochloromethane	0.400U
Dibromomethane	0.500U



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E83018 (Main Lab)  
E80562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 26, 2012  
Jul 10, 2012; Invoice: 179013

## Quality Control Batch: 10200317

Blank	Analyst: CLS	Result	Units
Ethylbenzene		0.500U	ug/L
Methyl Iodide		1.00U	ug/L
Methyl Isobutyl ketone		1.00U	ug/L
Methylene chloride		1.00U	ug/L
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		27.1	ug/L
Surr:Toluene-d8		29.0	ug/L

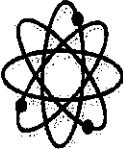
FLD0H: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NDEP: FL015

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# FLOWERS CHEMICAL LABORATORIES INC.

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 Phone: 727-343-8006 / Fax: 772-343-8089      E865562 (South Lab)  
 Phone: 850-973-6678 / Fax: 850-973-6678      E82405 (North Lab)  
 Phone: 305-743-8598 / Fax: 305-743-8598      E35834 (Keys Lab)

Atkins  
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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012, Invoice: 179013

## Quality Control Batch: 10200317

### Blank

Surf: 1,2-Dichloroethane-d4

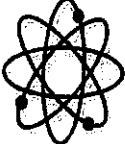
### Laboratory Control Sample

	Analyst: CLS	Result	Units	Spike	Units	%REC	%REC Lim
			ug/L		ug/L		
Acetone	11.7	ug/L	10.0	117.30	ug/L	38.88-162.52	
Acrylonitrile	10.0	ug/L	10.0	100.30	ug/L	40.32-146.67	
Benzene	9.61	ug/L	10.0	96.10	ug/L	69.86-134.08	
Bromo-chloromethane	9.37	ug/L	10.0	93.70	ug/L	73.37-125.03	
Bromo-dichloromethane	9.48	ug/L	10.0	94.80	ug/L	73.69-129.06	
Bromoform	8.38	ug/L	10.0	83.80	ug/L	66.50-120.60	
Bromomethane	8.76	ug/L	10.0	87.60	ug/L	52.06-149.03	
Carbon Disulfide	11.2	ug/L	10.0	112.40	ug/L	72.42-160.65	
Carbon Tetrachloride	9.26	ug/L	10.0	92.60	ug/L	69.24-130.87	
Chlorobenzene	9.24	ug/L	10.0	92.40	ug/L	76.12-122.63	
Chloroethane	9.85	ug/L	10.0	98.50	ug/L	54.48-148.84	
Chloroform	9.41	ug/L	10.0	94.10	ug/L	70.86-132.14	
Chloromethane	8.64	ug/L	10.0	86.40	ug/L	53.66-151.98	
cis-1,2-dichloroethene	9.53	ug/L	10.0	95.30	ug/L	72.17-127.13	
cis-1,3-Dichloropropene	8.75	ug/L	10.0	87.50	ug/L	72.26-128.63	
Dibromo-chloromethane	9.30	ug/L	10.0	93.00	ug/L	72.48-118.93	
Dibromomethane	9.44	ug/L	10.0	94.40	ug/L	76.53-123.91	
Ethylbenzene	9.13	ug/L	10.0	91.30	ug/L	70.56-124.95	
Methyl Iodide	8.73	ug/L	10.0	87.30	ug/L	55.71-163.66	
Methyl isobutyl ketone	10.6	ug/L	10.0	105.70	ug/L	50.12-132.13	
Methylene chloride	10.5	ug/L	10.0	104.80	ug/L	40.69-151.61	
o-dichlorobenzene	9.12	ug/L	10.0	91.20	ug/L	59.80-127.24	
Para-dichlorobenzene	9.60	ug/L	10.0	96.00	ug/L	59.80-127.16	
Styrene	8.17	ug/L	10.0	81.70	ug/L	64.43-121.79	
Tetrachloroethene	11.0	ug/L	10.0	110.40	ug/L	49.80-173.40	
Toluene	9.48	ug/L	10.0	94.80	ug/L	75.34-126.10	

FLDOH: E83018 (Main Lab)

FLDOH: E865562 (South Lab)

NJDEP: FL015



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 E86562 (South Lab)  
 Phone: 850-973-6878 / Fax: 850-973-6878  
 Phone: 305-743-8598 / Fax: 305-743-8598  
 E82405 (North Lab)  
 E35834 (Keys Lab)

Atkins  
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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012, Invoice: 179013

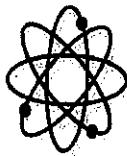
## Quality Control Batch: 10200317

### Laboratory Control Sample

	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim
trans-1,2-dichloroethene	9.88	ug/L	10.0	98.80	69.34-133.94	
trans-1,3,-Dichloropropene	8.87	ug/L	10.0	88.70	69.36-124.24	
Trichloroethylene	9.37	ug/L	10.0	93.70	70.68-139.87	
Trichlorofluoromethane	9.60	ug/L	10.0	96.00	44.99-156.60	
Vinyl chloride	9.39	ug/L	10.0	93.90	56.53-148.31	
Xylenes	26.1	ug/L	30.0	87.13	70.92-123.99	
1,1,1,2-Tetrachloroethane	9.02	ug/L	10.0	90.20	72.36-126.72	
1,1,1-Trichloroethane	9.51	ug/L	10.0	95.10	72.34-131.71	
1,1,2,2-Tetrachloroethane	10.1	ug/L	10.0	101.40	73.03-130.21	
1,1,2-Trichloroethane	9.81	ug/L	10.0	98.10	78.01-120.70	
1,1-Dichloroethane	9.61	ug/L	10.0	96.10	68.89-133.90	
1,1-Dichloroethene	10.1	ug/L	10.0	101.20	57.83-149.70	
1,2-dichloroethane	9.91	ug/L	10.0	99.10	71.63-130.49	
1,2-dichloropropane	9.37	ug/L	10.0	93.70	72.07-128.11	
2-Butanone (MEK)	11.8	ug/L	10.0	118.20	59.03-164.47	
2-Hexanone	10.7	ug/L	10.0	106.60	60.06-141.22	
Surr: Bromofluorobenzene	29.5	ug/L	30.0	98.30	82.78-122.32	
Surr: Toluene-d8	30.1	ug/L	30.0	100.27	80.00-120.00	
Surr: 1,2-Dichloroethane-d4	30.1	ug/L	30.0	100.30	77.68-129.99	

### Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	12.4	ug/L	20.0	61.95	46.01-156.32	5.00U
Acrylonitrile	22.3	ug/L	20.0	111.70	43.40-147.39	0.300U
Benzene	21.9	ug/L	20.0	109.25	74.48-134.24	0.500U
Bromochloromethane	21.4	ug/L	20.0	106.80	73.98-126.75	0.100U
Bromodichloromethane	21.9	ug/L	20.0	109.30	74.51-131.60	0.100U
Bromoform	20.5	ug/L	20.0	102.35	65.77-126.66	0.500U
Bromomethane	23.8	ug/L	20.0	118.90	45.79-154.07	0.500U
Carbon Tetrachloride	21.1	ug/L	20.0	105.70	69.71-134.11	0.500U



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 3980 Overseas Hwy Suite 103, Marathon FL 33050

Phone: 407-339-5984 / Fax: 407-260-6110      E83018 (Main Lab)  
 Phone: 772-343-8006 / Fax: 772-343-8089      E86562 (South Lab)  
 Phone: 850-973-6878 / Fax: 850-973-6878      E82405 (North Lab)  
 Phone: 305-743-8598 / Fax: 305-743-8598      E35634 (Keys Lab)

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

## Quality Control Batch: 10200317

Matrix Spike	Result	Analyst: CLS	Spike	%REC	%REC Lim	Sample
Chlorobenzene	20.7	ug/L	20.0	103.70	78.18-124.63	0.500U
Chloroethane	23.8	ug/L	20.0	118.80	57.96-148.61	0.500U
Chloroform	21.3	ug/L	20.0	106.25	67.52-139.02	0.500U
Chloromethane	22.6	ug/L	20.0	113.20	51.30-156.78	0.500U
cis-1,2-dichloroethene	21.2	ug/L	20.0	106.05	76.64-126.84	0.200U
cis-1,3-Dichloropropene	21.2	ug/L	20.0	105.95	67.26-137.96	0.500U
Dibromochloromethane	21.3	ug/L	20.0	106.55	73.00-123.23	0.400U
Dibromomethane	21.6	ug/L	20.0	108.15	73.11-128.50	0.500U
Ethylbenzene	21.3	ug/L	20.0	106.40	73.91-128.64	0.500U
Methyl Iodide	23.1	ug/L	20.0	115.30	54.23-165.25	1.00U
Methyl isobutyl ketone	24.0	ug/L	20.0	119.85	57.64-133.07	1.00U
Methylene chloride	20.6	ug/L	20.0	102.80	50.29-142.90	1.00U
o-dichlorobenzene	19.9	ug/L	20.0	99.65	71.04-127.37	0.500U
Para-dichlorobenzene	20.3	ug/L	20.0	101.30	70.44-126.55	0.500U
Styrene	19.9	ug/L	20.0	99.55	68.01-124.71	0.500U
Tetrachloroethene	20.5	ug/L	20.0	102.25	49.77-180.05	0.500U
Toluene	21.1	ug/L	20.0	105.35	77.67-128.73	0.500U
trans-1,2-dichloroethene	22.1	ug/L	20.0	110.40	71.14-135.42	0.500U
trans-1,3,-Dichloropropene	20.1	ug/L	20.0	100.30	68.77-131.64	0.500U
Trichloroethene	21.0	ug/L	20.0	105.10	77.68-135.38	0.500U
Trichlorofluoromethane	21.0	ug/L	20.0	104.85	48.94-159.62	0.500U
Vinyl chloride	21.1	ug/L	20.0	105.50	56.51-147.62	0.500U
Xylenes	62.6	ug/L	60.0	104.40	74.03-127.32	1.00U
1,1,1,2-Tetrachloroethane	20.4	ug/L	20.0	102.00	74.08-128.41	0.500U
1,1,1-Trichloroethane	21.6	ug/L	20.0	107.90	74.12-134.44	0.500U
1,1,2,2-Tetrachloroethane	22.9	ug/L	20.0	114.50	70.96-136.31	0.100U
1,1,2-Trichloroethane	20.7	ug/L	20.0	103.40	78.08-124.41	0.500U
1,1-Dichloroethane	21.4	ug/L	20.0	106.80	72.78-134.55	0.500U
1,1-Dichloroethene	22.7	ug/L	20.0	113.45	58.40-151.32	0.500U

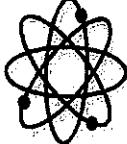
FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NJDEP: FL015

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 E83018 (Main Lab)  
 E86562 (South Lab)  
 E82405 (North Lab)  
 E35834 (Keys Lab)

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

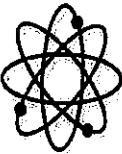
## Quality Control Batch: 10200317

### Matrix Spike

	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample
1,2-dichloroethane	21.8	ug/L	20.0	109.20	71.53-134.48	5.000U	0.500U
1,2-dichloropropane	21.9	ug/L	20.0	109.55	74.50-129.66	0.200U	0.200U
2-Butanone (MEK)	15.7	ug/L	20.0	78.65	64.53-153.74	0.500U	0.500U
2-Hexanone	14.6	ug/L	20.0	73.15	62.58-147.29	0.500U	0.500U
Surr: Bromofluorobenzene	29.9	ug/L	30.0	99.80	53.82-151.16		
Surr:Toluene-d8	30.7	ug/L	30.0	102.33	88.05-109.81		
Surr:1,2-Dichloroethane-d4	30.8	ug/L	30.0	102.50	75.07-126.19		

### Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	13.6	ug/L	20.0	67.80	46.01-156.32	5.000U	9.02	38.47
Acrylonitrile	26.8	ug/L	20.0	133.95	43.40-147.39	0.300U	18.12	24.85
Benzene	25.4	ug/L	20.0	126.95	74.48-134.24	0.500U	14.99	18.98
Bromochloromethane	23.3	ug/L	20.0	116.70	73.98-126.75	0.100U	8.86	15.45
Bromodichloromethane	24.8	ug/L	20.0	124.05	74.51-131.60	0.100U	12.64	14.47
Bromoform	24.6	ug/L	20.0	123.15	65.77-126.66	0.500U	18.45	18.89
Bromomethane	25.1	ug/L	20.0	125.65	45.79-154.07	0.500U	5.52	22.97
Carbon Tetrachloride	24.4	ug/L	20.0	121.75	69.71-134.11	0.500U	14.11	18.68
Chlorobenzene	23.9	ug/L	20.0	119.70	78.18-124.63	0.500U	14.32	17.54
Chloroethane	26.6	ug/L	20.0	133.05	57.96-148.61	0.500U	11.32	24.25
Chloroform	24.5	ug/L	20.0	122.70	67.52-139.02	0.500U	14.37	17.36
Chloromethane	21.6	ug/L	20.0	107.95	51.30-156.78	0.500U	4.75	24.58
cis-1,2-dichloroethene	24.4	ug/L	20.0	121.80	76.64-126.84	0.200U	13.82	19.01
cis-1,3-Dichloropropene	24.6	ug/L	20.0	122.80	67.26-137.96	0.500U	14.73	17.79
Dibromochloromethane	24.5	ug/L	20.0	122.25	73.00-123.23	0.400U	13.72	17.16
Dibromomethane	24.8	ug/L	20.0	123.80	73.11-128.50	0.500U	13.49	14.33
Ethylbenzene	24.5	ug/L	20.0	122.25	73.91-128.64	0.500U	13.86	17.78
Methyl Iodide	24.6	ug/L	20.0	123.10	54.23-165.25	1.000U	6.54	24.15
Methyl isobutyl ketone	28.8	ug/L	20.0	143.95	57.64-133.07	1.000U	18.27	23.20
Methylene chloride	24.3	ug/L	20.0	121.65	50.29-142.90	1.000U	16.80	22.29



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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 26, 2012  
 Jul 10, 2012; Invoice: 179013

### Quality Control Batch: 10200317

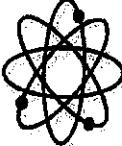
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
o-dichlorobenzene	22.9	ug/L	20.0	114.40	71.04-127.37	0.500U	13.78	17.00
Para-dichlorobenzene	22.9	ug/L	20.0	114.65	70.44-126.55	0.500U	12.36	14.84
Styrene	23.1	ug/L	20.0	115.45	68.01-124.71	0.500U	14.79	17.03
Tetrachloroethene	23.2	ug/L	20.0	116.10	49.77-180.05	0.500U	12.69	27.05
Toluene	24.5	ug/L	20.0	122.70	77.67-128.73	0.500U	15.22	18.11
trans-1,2-dichloroethene	25.6	ug/L	20.0	127.75	71.14-135.42	0.500U	14.57	19.23
trans-1,3-Dichloropropene	23.5	ug/L	20.0	117.50	68.77-131.64	0.500U	15.79	17.05
Trichloroethylene	23.8	ug/L	20.0	118.95	77.68-135.38	0.500U	12.36	16.98
Trichlorofluoromethane	23.9	ug/L	20.0	119.30	48.94-159.62	0.500U	12.89	24.90
Vinyl chloride	23.5	ug/L	20.0	117.50	56.51-147.62	0.500U	10.76	21.53
Xylenes	72.3	ug/L	60.0	120.42	74.03-127.32	1.00U	14.25	18.64
1,1,1,2-Tetrachloroethane	24.2	ug/L	20.0	120.80	74.08-128.41	0.500U	16.88	18.35
1,1,1-Trichloroethane	24.7	ug/L	20.0	123.25	74.12-134.44	0.500U	13.28	19.03
1,1,2,2-Tetrachloroethane	26.7	ug/L	20.0	133.25	70.96-136.31	0.100U	15.14	18.50
1,1,2-Trichloroethane	24.5	ug/L	20.0	122.50	78.08-124.41	0.500U	16.91	15.94
1,1-Dichloroethane	24.8	ug/L	20.0	124.10	72.78-134.55	0.500U	14.98	16.44
1,1,1-Dichloroethane	26.1	ug/L	20.0	130.25	58.40-151.32	0.500U	13.79	23.15
1,2-Dichloroethane	24.9	ug/L	20.0	124.25	71.53-134.48	0.500U	12.89	15.32
1,2-dichloropropane	25.5	ug/L	20.0	127.65	74.50-129.66	0.200U	15.26	16.56
2-Butanone (MEK)	16.3	ug/L	20.0	81.50	64.53-153.74	0.500U	3.56	32.53
2-Hexanone	17.5	ug/L	20.0	87.60	62.58-147.29	0.500U	17.98	25.26
Surr:Bromofluorobenzene	29.5	ug/L	30.0	98.20	53.82-151.16	1.62	13.51	
Surr:Toluene-d8	30.6	ug/L	30.0	101.87	88.05-109.81	0.46	7.44	
Surr:1,2-Dichloroethane-d4	30.5	ug/L	30.0	101.57	75.07-126.19	0.91	8.75	

### Quality Control Batch: 10200428

Blank	Analyst: DLJ	Result	Units
1,2,3-Trichloropropane		0.0200U	ug/L
1,2-Dibromoethane (EDB)		0.0100U	ug/L

Phone: 407-339-5984 / Fax: 407-260-6110  
 EB3018 (Main Lab)  
 Phone: 722-343-8006 / Fax: 772-343-8089  
 EB6562 (South Lab)  
 Phone: 850-973-6878 / Fax: 850-973-6878  
 EB2405 (North Lab)  
 Phone: 305-743-8598 / Fax: 305-743-8598  
 E35834 (Keys Lab)

FLDOH: E83018 (Main Lab)      FLDOH: E86562 (South Lab)      FLDOH: EB2405 (North Lab)      NJDEP: FL015



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 E830118 (Main Lab)  
 Phone: 772-343-8006 / Fax: 772-343-8089  
 E86563 (South Lab)  
 Phone: 850-973-6878 / Fax: 850-973-6878  
 E8405 (North Lab)  
 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 LAN  
 Date Sampled: Jun 26, 2012  
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### Quality Control Batch: 10200428

#### Blank

1,2-dibromo-3-chloropropane

#### Analyst: DLJ

Result  
0.0200U

Units  
ug/L

#### Laboratory Control Sample

1,2,3-Trichloropropane

Result  
0.806

Units  
ug/L

Spike  
0.750

%REC  
107.50

%REC Lim  
80.00-120.00

1,2-Dibromoethane (EDB)

Result  
0.729

Units  
ug/L

Spike  
0.750

%REC  
97.25

%REC Lim  
71.37-128.24

1,2-dibromo-3-chloropropane

Result  
0.786

Units  
ug/L

Spike  
0.750

%REC  
104.84

%REC Lim  
56.44-144.91

#### Matrix Spike

1,2,3-Trichloropropane

Result  
0.943

Units  
ug/L

Spike  
0.750

%REC  
125.69

%REC Lim  
80.00-120.00

1,2-Dibromoethane (EDB)

Result  
0.705

Units  
ug/L

Spike  
0.750

%REC  
94.04

%REC Lim  
68.22-125.80

1,2-dibromo-3-chloropropane

Result  
0.776

Units  
ug/L

Spike  
0.750

%REC  
103.44

%REC Lim  
60.03-124.62

#### Matrix Spike Duplicate

1,2,3-Trichloropropane

Result  
0.797

Units  
ug/L

Spike  
0.750

%REC  
106.21

%REC Lim  
80.00-120.00

1,2-Dibromoethane (EDB)

Result  
0.714

Units  
ug/L

Spike  
0.750

%REC  
95.15

%REC Lim  
68.22-125.80

1,2-dibromo-3-chloropropane

Result  
0.788

Units  
ug/L

Spike  
0.750

%REC  
105.04

%REC Lim  
60.03-124.62

### Quality Control Batch: 10200484

#### Blank

Ammonia (as N)

Result  
0.0100U

Units  
mg/L

Spike  
0.500

%REC  
93.00

%REC Lim  
80.72-118.76

#### Laboratory Control Sample

Ammonia (as N)

Result  
0.465

Units  
mg/L

Spike  
0.500

%REC  
93.00

%REC Lim  
80.72-118.76

#### Matrix Spike

Ammonia (as N)

Result  
1.07

Units  
mg/L

Spike  
0.780

%REC  
85.64

%REC Lim  
54.58-133.65

Sample  
0.402

RPD  
0.00

#### Matrix Spike Duplicate

Ammonia (as N)

Result  
1.07

Units  
mg/L

Spike  
0.780

%REC  
85.64

%REC Lim  
54.58-133.65

Sample  
0.402

RPD  
0.00

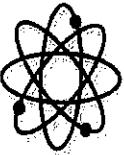
FLD0H: E830118 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NDEP: FL015

Page 39 of 41



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Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-6598 / Fax: 305-743-8598

E83018 (Main Lab)

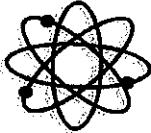
E86562 (South Lab)

E82405 (North Lab)

E35834 (Kcs's Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
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Jul 10, 2012; Invoice: 179013



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Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

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## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. 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. Sample results reported as dissolved were field filtered.

### 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.

Check Box That Applies To Your Location

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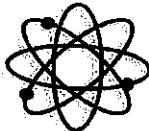
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Project Name								Client Contact			Phone			FCL Project Manager			E-Mail			PO #			FAX			P.O. #			Rush Charges May Apply			Sampling Fee			Comments					
Sampled By (PRINT): Sampler Signature			Date Sampled: 6/26/12			Requested Due Date: 10 Day Standard			OR			Vehicle Surgeon:			PICK UP / \$			ANALYSES REQUEST			PRESERVATIVES			Comments			Total # Contaminers													
2 DAY LUMINOUS CASTING			LuminoMaster Casting																																					
ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE			Ozone			Gases			Ozone			Ozone			Ozone			Ozone			Ozone			Ozone										
1	MW-2	6/26/12	11:19	GW	179013GW																																			
2	MW-1		12:12																																					
3	MW-4		12:51																																					
4	MW-5		13:51																																					
5	MW-6		14:30																																					
6	MW-12R		15:33																																					
7	MW-11		15:55																																					
8	MW-16R	V	16:31	V																																				
9																																								
10																																								
Reinquished By / Affiliation			Date			Time			Accepted By / Affiliation			Date			Time			Reinquished By / Affiliation			Date			Time			Accepted By / Affiliation			Date			Time							

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy



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Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

Atkins  
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Tampa, FL 33607

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 11, 2012; Invoice: 179162

## Report Summary

Date Received: Jun 28, 2012

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
179162SW1	SW-1/14642	EPA351.2	VLB	Main Lab	Surface Water
		EPA353.2	PCW	Main Lab	
		EPA365.4	VLB	Main Lab	
		EPA410.4	CTH	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM10200 H	TRB	Main Lab	
		SM2340 B	EVB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM5210 B	MAC	Main Lab	
		SM5310 B	PCW	Main Lab	
		SM9222 D	TRB	Main Lab	
		TotNit			

## 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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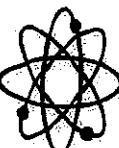
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 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 11, 2012; Invoice: 179162

## Analysis Report

Lab #:	179162SW1	Sampled:	06/27/12 04:33 PM	Desc:	SW1/14642	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter						1.00		0				Total Nitrate	17778-88-0	
Total Nitrogen(as N)	0.987	mg/L				1.00	0.200		0.400		10179296	EPA351.2	7727-37-9	07/03/12
TKN(as N)	0.216	mg/L				1.00	0.0400		0.0400		10179301	EPA365.4	7723-14-0	07/03/12
Total Phosphorous(as P)	0.0100 U	mg/L				1.00	0.0100		0.0200		10200125	EPA353.2	14797-55-8	06/28/12
Nitrate(as N)	0.0200 U	mg/L				1.00	0.0200		0.0400		10200125	EPA353.2	14797-65-0	06/28/12
Nitrite(as N)	0.0200 U	mg/L				1.00	0.0200		0.0400		10200173	SM9222 D	E761792	06/28/12
Fecal Coliform	174. Q	cfu/100mL				1.00	1.00		1.00		10200173	SM9222 D	E761792	12:30 PM
TSS	1.75. I	mg/L				1.00	1.00		2.00		10200232	SM2540 D	E1642818	06/28/12
Unionized NH3(as N)	0.000100 U	mg/L				1.00	0.000100		0.000200		10200316	FDEP DEP-SOF	07/02/12	
BOD5day	4.43	mg/L				1.00	2.00		2.00		10200332	SM5210 B	E1640606	06/28/12
Mercury	0.0000200 U	mg/L				1.00	0.0000200		0.0000400		10200364	EPA470	7439-97-6	07/03/12
Total Hardness (as CaCO3)	26.7	mg/L				1.00	0.100		0.200		10200367	SM2340 B	40-11-9	07/02/12
Iron	0.0449	mg/L				1.00	0.0100		0.0200		10200370	EPA6010	7439-89-6	07/02/12
Chemical Oxygen Demand	29.3. I	mg/L				1.00	20.0		40.0		10200379	EPA410.4	C-004	07/03/12
1,2,3-Trichloropropane	0.0200 U	ug/L				1.00	0.0200		0.0400		10200430	EPA8011	096-18-4	07/02/12
1,2-Dibromoethane (EDB)	0.0100 U	ug/L				1.00	0.0100		0.0200		10200430	EPA3011	106-93-4	07/02/12
1,2-dibromo-3-chloropropane	0.0200 U	ug/L				1.00	0.0200		0.0400		10200430	EPA3011	96-12-8	07/02/12
Aluminum	0.0766	mg/L				1.00	0.0100		0.0200		10200444	EPA6020	7429-90-5	07/03/12
Antimony	0.00200 U	mg/L				1.00	0.00200		0.00800		10200444	EPA6020	7440-36-0	07/03/12
Arsenic	0.00100 U	mg/L				1.00	0.00100		0.00200		10200444	EPA6020	7440-38-2	07/03/12
Barium	0.00200 U	mg/L				1.00	0.00200		0.00400		10200444	EPA6020	7440-39-3	07/03/12
Beryllium	0.000500 U	mg/L				1.00	0.000500		0.00100		10200444	EPA6020	7440-41-7	07/03/12
Cadmium	0.00100 U	mg/L				1.00	0.00100		0.00200		10200444	EPA6020	7440-43-9	07/03/12
Chromium	0.00100 U	mg/L				1.00	0.00100		0.00200		10200444	EPA6020	7440-47-3	07/03/12
Cobalt	0.00100 U	mg/L				1.00	0.00100		0.00200		10200444	EPA6020	7440-48-4	07/03/12
Copper	0.00121 I	mg/L				1.00	0.00100		0.00200		10200444	EPA6020	7440-50-8	07/03/12
Lead	0.00171 I	mg/L				1.00	0.00100		0.00200		10200444	EPA6020	7439-92-1	07/03/12
Nickel	0.00100 U	mg/L				1.00	0.00100		0.00200		10200444	EPA6020	7440-02-0	07/03/12



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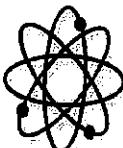
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Lab #:	179162SW1	Sampled:	06/27/12 04:33 PM	Desc:	SW-1/14642	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10200444	EPA6020	7782-49-2	07/03/12					
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10200444	EPA6020	7440-22-4	07/03/12					
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200444	EPA6020	7440-28-0	07/03/12					
Vanadium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200444	EPA6020	7440-62-2	07/03/12					
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10200444	EPA6020	7440-66-6	07/03/12					
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	630-20-6	07/05/12					
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	71-55-6	07/05/12					
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10200530	EPA8260	79-34-5	07/05/12					
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	79-00-5	07/05/12					
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	75-34-3	07/05/12					
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	75-35-4	07/05/12					
1,1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	107-06-2	07/05/12					
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10200530	EPA8260	78-87-5	07/05/12					
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	78-93-3	07/05/12					
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	591-78-6	07/05/12					
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10200530	EPA8260	67-64-1	07/05/12					
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10200530	EPA8260	107-13-1	07/05/12					
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	71-43-2	07/05/12					
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10200530	EPA8260	074-97-5	07/05/12					
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10200530	EPA8260	75-27-4	07/05/12					
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	75-25-2	07/05/12					
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	74-83-9	07/05/12					
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10200530	EPA8260	75-15-0	07/05/12					
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	56-23-5	07/05/12					
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	108-90-7	07/05/12					
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	75-00-3	07/05/12					
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	67-66-3	07/05/12					
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10200530	EPA8260	74-87-3	07/05/12					
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10200530	EPA8260	124-48-1	07/05/12					



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E25834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
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### Quality Control Batch: 102000125

Laboratory Control Sample  
Nitrite(as N)

Analyst: PCW		%REC		%REC Lim	
Result	Units	Spike	mg/L	111.00	80.00-120.00
1.11					
4.04	Units	Spike	mg/L	100.79	%REC Lim
4.02	mg/L	4.00	4.00	100.34	80.00-120.00
3.99	Units	Spike	mg/L	99.54	%REC Lim
3.97	mg/L	4.00	4.00	99.09	80.00-120.00

### Quality Control Batch: 102000173

Blank  
Fecal Coliform

Analyst: TRB	Result	Units
	1.00U	cfu/100mL

### Quality Control Batch: 102000232

Blank  
TSS

Analyst: PLB	Result	Units
	1.00U	mg/L

### Laboratory Control Sample

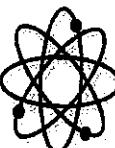
TSS

Analyst: PLB	Result	Units
	82.0	mg/L

### Quality Control Batch: 102000316

Blank  
Unionized NH3(as N)

Analyst: PCW	Result	Units
	0.000100U	mg/L



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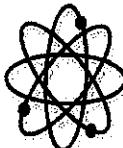
**Quality Control Batch: 10200332**

<b>Blank</b>	<b>Analyst: MAC</b>
BOD5day	Result      Units
	2.00U      mg/L
<b>Laboratory Control Sample</b>	<b>Analyst: MAC</b>
BOD5day	Result      Units
	198      mg/L
	Spike      %REC
	198      100.00
	%REC Lim
	72.84-116.33

<b>Quality Control Batch: 10200364</b>	<b>Analyst: EVB</b>
<b>Blank</b>	<b>Analyst: EVB</b>
Mercury	Result      Units
	0.0000200U      mg/L
<b>Laboratory Control Sample</b>	<b>Analyst: EVB</b>
Mercury	Result      Units
	0.00102      mg/L
	Spike      %REC
	0.00100      101.50
	%REC Lim
	91.59-113.24
<b>Matrix Spike</b>	<b>Analyst: EVB</b>
Mercury	Result      Units
	0.00293      mg/L
	Spike      %REC
	0.00300      97.80
	%REC Lim
	84.79-120.82
<b>Matrix Spike Duplicate</b>	<b>Analyst: EVB</b>
Mercury	Result      Units
	0.00294      mg/L
	Spike      %REC
	0.00300      98.13
	%REC Lim
	84.79-120.82
	Sample
	0.0000200U
	RPD
	0.34
	RPD Lim
	7.61

<b>Quality Control Batch: 10200367</b>	<b>Analyst: EVB</b>
<b>Blank</b>	<b>Analyst: EVB</b>
Total Hardness (as CaCO <sub>3</sub> )	Result      Units
	0.100U      mg/L
<b>Laboratory Control Sample</b>	<b>Analyst: EVB</b>
Total Hardness (as CaCO <sub>3</sub> )	Result      Units
	34.2      mg/L
	Spike      %REC
	33.1      103.40
	%REC Lim
	85.06-113.17

<b>Quality Control Batch: 10200370</b>	<b>Analyst: EVB</b>
<b>Blank</b>	<b>Analyst: EVB</b>
	Result      Units



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EB3018 (Main Lab)  
EB6563 (South Lab)  
EB405 (North Lab)  
E35834 (Keys Lab)

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**Quality Control Batch: 10200370**

**Blank** Analyst: EVB  
Result Units  
Iron 0.0100U mg/L

**Laboratory Control Sample**

**Iron** Analyst: EVB  
Result Units  
Iron 5.08 Spike 5.00 %REC  
5.39 Spike 103.00 %REC  
5.19 Spike 99.05 %REC

**Matrix Spike**

**Iron** Analyst: EVB  
Result Units  
Iron 5.00 Spike 101.61 %REC  
5.00 81.21-113.54

**Quality Control Batch: 10200379**

**Blank** Analyst: CTH  
Result Units  
Chemical Oxygen Demand 20.00 mg/L

**Laboratory Control Sample**

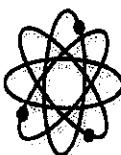
**Chemical Oxygen Demand** Analyst: CTH  
Result Units  
Chemical Oxygen Demand 88.3 Spike 100 %REC  
188 Spike 200 %REC  
183 Spike 91.35 %REC

**Matrix Spike**

**Chemical Oxygen Demand** Analyst: CTH  
Result Units  
Chemical Oxygen Demand 94.21 Spike 88.25 %REC  
94.21 81.47-117.86

**Quality Control Batch: 10200430**

**Blank** Analyst: DLJ  
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



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 ER2405 (North Lab)  
 E35834 (Keys Lab)

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**Quality Control Batch: 10200430****Laboratory Control Sample**

1,2,3-Trichloropropane  
 1,2-Dibromoethane (EDB)  
 1,2-dibromo-3-chloropropane

**Analyst: DLJ**

Result	Units	Spike	%REC	%REC Lim
0.806	ug/L	0.750	107.50	80.00-120.00
0.729	ug/L	0.750	97.25	80.00-120.00
0.786	ug/L	0.750	104.84	80.00-120.00

**Matrix Spike**

1,2,3-Trichloropropane  
 1,2-Dibromoethane (EDB)  
 1,2-dibromo-3-chloropropane

**Analyst: DLJ**

Result	Units	Spike	%REC	%REC Lim
0.943	ug/L	0.750	125.69	80.00-120.00
0.705	ug/L	0.750	94.04	80.00-120.00
0.776	ug/L	0.750	103.44	80.00-120.00

**Matrix Spike Duplicate**

1,2,3-Trichloropropane  
 1,2-Dibromoethane (EDB)  
 1,2-dibromo-3-chloropropane

**Analyst: DLJ**

Result	Units	Spike	%REC	%REC Lim
0.797	ug/L	0.750	106.21	80.00-120.00
0.714	ug/L	0.750	95.15	80.00-120.00
0.788	ug/L	0.750	105.04	80.00-120.00

**Quality Control Batch: 10200444****Blank**

Result	Units
0.0100U	mg/L
0.00200U	mg/L
0.00100U	mg/L
0.00200U	mg/L
0.000500U	mg/L
0.00100U	mg/L
0.00200U	mg/L
0.000500U	mg/L

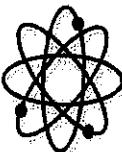
FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: ER2405 (North Lab)

NJDEP: FL015

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PO #: 40612  
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Date Sampled: Jun 27, 2012  
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## Quality Control Batch: 10200444

Blank	Thallium	Vanadium	Zinc
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## Analyst: EVB

Result	Units	Units
0.00100U	mg/L	mg/L
0.00100U	mg/L	mg/L
0.0100U	mg/L	mg/L

## Laboratory Control Sample

Aluminum	Spike	%REC	%REC Lim
0.175	mg/L	0.200	87.37
0.190	mg/L	0.200	95.05
0.184	mg/L	0.200	92.14
0.195	mg/L	0.200	97.26
0.208	mg/L	0.200	103.88
0.191	mg/L	0.200	95.25
0.188	mg/L	0.200	94.21
0.186	mg/L	0.200	92.98
0.185	mg/L	0.200	92.46
0.197	mg/L	0.200	98.30
0.189	mg/L	0.200	94.26
0.186	mg/L	0.200	93.18
0.188	mg/L	0.200	94.07
0.193	mg/L	0.200	96.71
0.187	mg/L	0.200	93.68
0.190	mg/L	0.200	95.08

Result	Units	Spikes	%REC	%REC Lim
0.175	mg/L	0.200	87.37	82.49-117.14
0.190	mg/L	0.200	95.05	78.21-121.23
0.184	mg/L	0.200	92.14	77.97-118.12
0.195	mg/L	0.200	97.26	87.71-124.03
0.208	mg/L	0.200	103.88	86.54-129.99
0.191	mg/L	0.200	95.25	80.28-119.66
0.188	mg/L	0.200	94.21	79.68-122.67
0.186	mg/L	0.200	92.98	75.47-125.43
0.185	mg/L	0.200	92.46	75.93-125.03
0.197	mg/L	0.200	98.30	84.18-120.50
0.189	mg/L	0.200	94.26	77.04-123.91
0.186	mg/L	0.200	93.18	73.74-123.68
0.188	mg/L	0.200	94.07	78.31-122.44
0.193	mg/L	0.200	96.71	82.56-123.13
0.187	mg/L	0.200	93.68	75.43-127.05
0.190	mg/L	0.200	95.08	75.55-123.30

## Matrix Spike

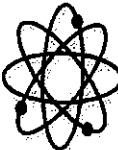
Aluminum	Spike	%REC	%REC Lim	Sample
0.158	mg/L	0.200	78.88	41.22-163.00
0.167	mg/L	0.200	82.06	72.18-142.01
0.172	mg/L	0.200	82.19	76.02-142.56
0.215	mg/L	0.200	75.18	67.36-158.64
0.174	mg/L	0.200	86.82	91.18-152.89
0.160	mg/L	0.200	80.01	77.92-136.42

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: E82405 (North Lab)

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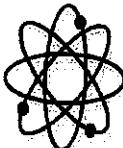
## Quality Control Batch: 10200444

### Matrix Spike

	<b>Analyst: EVB</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>
Chromium	0.163	mgl	0.200	79.85	72.27-142.06	0.00333	
Cobalt	0.149	mgl	0.200	73.68	69.22-139.08	0.00131	
Copper	0.191	mgl	0.200	78.40	49.37-149.77	0.0343	
Lead	0.147	mgl	0.200	72.64	65.56-145.73	0.00206	
Nickel	0.154	mgl	0.200	69.46	65.47-134.19	0.0146	
Selenium	0.155	mgl	0.200	75.85	57.06-150.58	0.00290	
Silver	0.164	mgl	0.200	81.51	49.80-146.63	0.000590	
Thallium	0.148	mgl	0.200	73.96	62.20-153.09	0.00100U	
Vanadium	0.166	mgl	0.200	80.18	71.20-143.90	0.00578	
Zinc	0.190	mgl	0.200	72.15	40.77-155.82	0.0460	

### Matrix Spike Duplicate

	<b>Analyst: EVB</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Aluminum	0.157	mgl	0.200	78.36	41.22-163.00	0.0100U	0.66	40.04	
Antimony	0.168	mgl	0.200	82.14	72.18-142.01	0.00336	0.10	26.68	
Arsenic	0.175	mgl	0.200	83.51	76.02-142.56	0.00766	1.52	22.42	
Barium	0.216	mgl	0.200	75.90	67.36-158.64	0.0642	0.66	35.38	
Beryllium	0.172	mgl	0.200	86.15	91.18-152.89	0.000500U	0.77	24.78	
Cadmium	0.159	mgl	0.200	79.37	77.92-136.42	0.00100U	0.80	21.10	
Chromium	0.168	mgl	0.200	82.54	72.27-142.06	0.00333	3.24	21.22	
Cobalt	0.157	mgl	0.200	77.94	69.22-139.08	0.00131	5.58	28.10	
Copper	0.198	mgl	0.200	81.95	49.37-149.77	0.0343	3.64	28.99	
Lead	0.146	mgl	0.200	72.14	65.56-145.73	0.00206	0.67	26.53	
Nickel	0.164	mgl	0.200	74.65	65.47-134.19	0.0146	6.54	30.10	
Selenium	0.155	mgl	0.200	76.20	57.06-150.58	0.00290	0.45	25.49	
Silver	0.153	mgl	0.200	76.15	49.80-146.63	0.000590	6.77	37.01	
Thallium	0.147	mgl	0.200	73.27	62.20-153.09	0.00100U	0.94	24.80	
Vanadium	0.177	mgl	0.200	85.67	71.20-143.90	0.00578	6.40	28.47	
Zinc	0.195	mgl	0.200	74.46	40.77-155.82	0.0460	2.39	28.40	



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E83018 (Main Lab)  
 E86562 (South Lab)  
 E82405 (North Lab)  
 E35834 (Keys Lab)

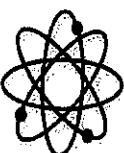
Atkins  
 4030 W. Boy Scout Blvd, Ste 700  
 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 11, 2012; Invoice: 179162

## Quality Control Batch: 10200530

Blank	Analyst: CLS	Result	Units
Acetone		5.00U	ug/L
Acrylonitrile		0.300U	ug/L
Benzene		0.500U	ug/L
Bromo-chloromethane		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
Dibromo-chloromethane		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
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

FLODH: E83018 (Main Lab) FLODH: E86562 (South Lab) FLODH: E82405 (North Lab) NJDEP: FL015



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Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

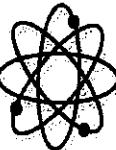
E83018 (Main Lab)  
E86362 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 11, 2012; Invoice: 179162

## Quality Control Batch: 102000590

Blank	Result	Units	Analyst: CLS
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	27.0	ug/L	
Surr: Toluene-d8	28.2	ug/L	
Surr: 1,2-Dichloroethane-d4	28.4	ug/L	
Laboratory Control Sample	Result	Units	%REC
Acetone	11.8	ug/L	118.10
Acrylonitrile	10.4	ug/L	103.50
Benzene	9.65	ug/L	96.50
Bromoform	9.37	ug/L	10.0
Bromochloromethane	9.60	ug/L	93.70
Bromodichloromethane	8.77	ug/L	10.0
Bromomethane	9.36	ug/L	10.0
Carbon Disulfide	11.3	ug/L	93.60
Carbon Tetrachloride	9.65	ug/L	10.0
			112.60
			81.01-141.09
			68.14-132.66



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Phone: 850-973-6878 / Fax: 850-973-6878      E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598      E35834 (Keys Lab)

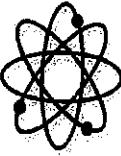
Atkins  
4030 W Boy Scout Blvd, Ste 700  
Tampa, FL 33607

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 11, 2012; Invoice: 179162

## Quality Control Batch: 10200530

### Laboratory Control Sample

	Analyst: CLS	Result	Units	Spike	%REC	%REC LIM
Chlorobenzene	9.40	ug/L	10.0	94.00	77.69-119.42	
Chloroethane	11.2	ug/L	10.0	111.90	63.56-150.96	
Chloroform	9.65	ug/L	10.0	96.50	67.64-138.63	
Chloromethane	10.3	ug/L	10.0	102.60	55.12-156.31	
cis-1,2-dichloroethene	9.19	ug/L	10.0	91.90	73.06-123.88	
cis-1,3-Dichloropropene	8.41	ug/L	10.0	84.10	80.68-120.98	
Dibromo-chloromethane	9.45	ug/L	10.0	94.50	65.65-126.41	
Dibromomethane	9.32	ug/L	10.0	93.20	72.30-129.36	
Ethylbenzene	9.17	ug/L	10.0	91.70	70.93-123.57	
Methyl Iodide	9.72	ug/L	10.0	97.20	54.93-164.95	
Methyl isobutyl ketone	8.97	ug/L	10.0	89.70	37.93-142.74	
Methylene chloride	11.0	ug/L	10.0	109.80	16.86-166.48	
o-dichlorobenzene	9.66	ug/L	10.0	96.60	52.90-132.47	
Para-dichlorobenzene	9.85	ug/L	10.0	98.50	50.96-133.39	
Styrene	8.14	ug/L	10.0	81.40	71.72-114.32	
Tetrachloroethene	9.86	ug/L	10.0	98.60	80.48-158.29	
Toluene	9.70	ug/L	10.0	97.00	77.18-121.98	
trans-1,2-dichloroethene	10.2	ug/L	10.0	102.20	68.03-139.74	
trans-1,3-Dichloropropene	9.05	ug/L	10.0	90.50	69.60-126.28	
Trichloroethene	9.39	ug/L	10.0	93.90	75.98-128.22	
Vinyl chloride	9.81	ug/L	10.0	98.10	44.32-160.41	
Xylenes	10.5	ug/L	10.0	105.30	62.38-148.09	
1,1,1,2-Tetrachloroethane	26.7	ug/L	30.0	88.90	73.15-120.44	
1,1,1-Trichloroethane	9.24	ug/L	10.0	92.40	65.75-129.14	
1,1,2,2-Tetrachloroethane	9.65	ug/L	10.0	96.50	71.54-134.27	
1,1,2-Trichloroethane	9.89	ug/L	10.0	98.90	70.58-134.42	
1,1-Dichloroethane	10.1	ug/L	10.0	101.10	78.94-122.62	
1,1-Dichloroethene	9.81	ug/L	10.0	98.10	64.33-137.81	
	10.4	ug/L	10.0	104.20	58.65-144.80	



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 Phone: 772-343-6006 / Fax: 772-343-8089 E86562 (South Lab)  
 Phone: 850-573-5678 / Fax: 850-573-6878 E82405 (North Lab)  
 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 LAN  
 Date Sampled: Jun 27, 2012  
 Jul 11, 2012; Invoice: 179162

## Quality Control Batch: 10200530

### Laboratory Control Sample

	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim
1,2-dichloroethane	10.1	ug/L	10.0	101.30	70.20-131.56	
1,2-dichloropropane	9.34	ug/L	10.0	93.40	70.79-128.96	
2-Butanone (MEK)	11.2	ug/L	10.0	111.50	58.73-168.19	
2-Hexanone	7.83	ug/L	10.0	78.30	61.33-136.93	
Surr:Bromofluorobenzene	29.2	ug/L	30.0	97.47	84.60-123.15	
Surr:Toluene-d8	29.8	ug/L	30.0	99.23	80.00-120.00	
Surr:1,2-Dichloroethane-d4	28.9	ug/L	30.0	96.17	85.08-128.29	

### Matrix Spike

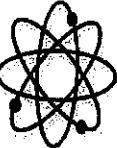
	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	13.0	ug/L	20.0	65.05	40.10-159.52	5.00U
Acrylonitrile	17.6	ug/L	20.0	88.10	46.99-145.24	0.300U
Benzene	18.9	ug/L	20.0	94.60	61.27-139.58	0.500U
Bromochloromethane	18.0	ug/L	20.0	89.85	63.83-134.84	0.100U
Bromodichloromethane	18.7	ug/L	20.0	93.50	72.16-127.31	0.100U
Bromoform	17.3	ug/L	20.0	86.45	72.62-122.79	0.500U
Bromomethane	21.2	ug/L	20.0	105.95	39.13-160.98	0.500U
Carbon Tetrachloride	19.3	ug/L	20.0	96.30	62.14-139.48	0.500U
Chlorobenzene	18.4	ug/L	20.0	91.95	73.37-125.85	0.500U
Chloroethane	19.9	ug/L	20.0	99.60	63.53-147.18	0.500U
Chloroform	18.3	ug/L	20.0	91.55	57.73-145.87	0.500U
Chloromethane	20.6	ug/L	20.0	102.85	53.83-155.48	0.500U
cis-1,2-dichloroethene	18.6	ug/L	20.0	93.20	67.74-134.67	0.200U
cis-1,3-Dichloropropene	18.7	ug/L	20.0	93.40	72.35-130.46	0.500U
Dibromochloromethane	18.3	ug/L	20.0	91.30	69.54-125.33	0.400U
Dibromomethane	17.9	ug/L	20.0	89.60	68.14-132.53	0.500U
Ethylbenzene	18.8	ug/L	20.0	93.80	68.03-130.86	0.500U
Methyl Iodide	28.9	ug/L	20.0	144.65	44.68-170.45	1.00U
Methyl isobutyl ketone	17.9	ug/L	20.0	89.65	45.04-143.51	1.00U
Methylene chloride	19.6	ug/L	20.0	97.95	29.60-161.21	1.00U

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NUDEP: FL015



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PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 11, 2012; Invoice: 179162

## Quality Control Batch: 10200530

### Matrix Spike

o-dichlorobenzene

Para-dichlorobenzene

Styrene

Tetrachloroethene

Toluene

trans-1,2-dichloroethene

trans-1,3-Dichloropropene

Trichloroethene

Trichlorofluoromethane

Vinyl chloride

Xylenes

1,1,1-Tetrachloroethane

1,1,1-Trichloroethane

1,1,2,2-Tetrachloroethane

1,1,2-Trichloroethane

1,1-Dichloroethane

1,1-Dichloroethene

1,2-dichloroethene

1,2-dichloropropane

2-Butanone (MEK)

2-Hexanone

Surr: Bromofluorobenzene

Surr: Toluene-d8

Surr: 1,2-Dichloroethane-d4

### Analyst: CLS

#### Result

ug/L

18.2

17.9

17.3

18.8

19.3

19.9

18.2

19.1

18.6

19.9

55.3

18.5

19.3

17.7

17.8

19.2

22.1

18.2

18.6

10.6

11.7

29.9

29.9

28.7

#### Analyst:

#### Matrix Spike Duplicate

#### Result

ug/L

16.2

21.5

22.2

#### Analyst: CLS

#### Sample

#### Spiked

#### Units

#### %REC

#### %REC Lim

#### Sample

#### Spiked

#### Units

#### %REC

#### %REC Lim

#### Sample

#### Spiked

#### Units

#### %REC

#### %REC Lim

#### Sample

#### Spiked

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#### %REC

#### %REC Lim

#### Sample

#### Spiked

#### Units

#### %REC

#### %REC Lim

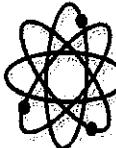
#### Sample

#### Spiked

#### Units

#### %REC

#### %REC Lim



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 EB3018 (Main Lab)  
 EB6562 (South Lab)  
 EB2405 (North Lab)  
 E35834 (Keys Lab)

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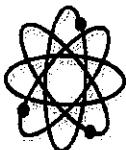
PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 11, 2012; Invoice: 179162

### Quality Control Batch: 102005530

#### Matrix Spike Duplicate

Result	CLS	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
20.9	ug/L	20.0	104.45	63.83-134.84	0.100U	15.03	26.51	
22.1	ug/L	20.0	110.60	72.16-127.31	0.100U	16.76	25.17	
21.2	ug/L	20.0	105.85	72.62-122.79	0.500U	20.18	29.13	
23.8	ug/L	20.0	118.85	39.13-160.98	0.500U	11.48	28.42	
23.0	ug/L	20.0	114.80	62.14-139.48	0.500U	17.53	27.85	
21.5	ug/L	20.0	107.50	73.37-125.85	0.500U	15.59	27.33	
22.4	ug/L	20.0	112.10	63.53-147.18	0.500U	11.81	35.69	
21.3	ug/L	20.0	106.65	57.73-145.87	0.500U	15.24	28.80	
22.4	ug/L	20.0	112.05	53.83-155.48	0.500U	8.56	29.46	
22.1	ug/L	20.0	110.50	67.74-134.67	0.200U	16.99	28.79	
22.7	ug/L	20.0	113.35	72.35-130.46	0.500U	19.30	25.83	
21.6	ug/L	20.0	107.95	69.54-125.33	0.400U	16.71	28.11	
21.4	ug/L	20.0	106.90	68.14-132.53	0.500U	17.61	23.67	
22.2	ug/L	20.0	110.75	68.03-130.86	0.500U	16.57	25.52	
29.3	ug/L	20.0	146.55	44.68-170.45	1.00U	1.30	27.56	
24.1	ug/L	20.0	120.50	45.04-143.51	1.00U	29.36	22.66	
21.6	ug/L	20.0	107.75	29.60-161.21	1.00U	9.53	33.74	
21.3	ug/L	20.0	106.35	66.77-127.02	0.500U	15.83	28.62	
20.9	ug/L	20.0	104.25	65.38-125.99	0.500U	15.11	27.08	
20.3	ug/L	20.0	101.25	70.76-118.37	0.500U	15.71	28.56	
21.7	ug/L	20.0	108.25	67.64-171.93	0.500U	14.25	32.62	
22.5	ug/L	20.0	112.40	65.14-135.51	0.500U	15.17	23.01	
22.9	ug/L	20.0	114.60	68.02-136.55	0.500U	13.91	29.38	
21.8	ug/L	20.0	108.85	70.04-129.81	0.500U	17.70	30.36	
22.5	ug/L	20.0	112.65	71.89-132.31	0.500U	16.27	25.29	
21.8	ug/L	20.0	109.20	44.48-169.12	0.500U	16.02	34.97	
22.9	ug/L	20.0	114.70	58.87-147.20	0.500U	14.24	27.28	
65.5	ug/L	60.0	109.08	60.84-135.66	1.00U	16.88	24.37	
21.6	ug/L	20.0	108.10	62.33-135.40	0.500U	15.71	29.26	

Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Bromochloromethane	20.9	ug/L	20.0	104.45	63.83-134.84	0.100U	15.03	26.51
Bromodichloromethane	22.1	ug/L	20.0	110.60	72.16-127.31	0.100U	16.76	25.17
Bromoform	21.2	ug/L	20.0	105.85	72.62-122.79	0.500U	20.18	29.13
Bromomethane	23.8	ug/L	20.0	118.85	39.13-160.98	0.500U	11.48	28.42
Carbon Tetrachloride	23.0	ug/L	20.0	114.80	62.14-139.48	0.500U	17.53	27.85
Chlorobenzene	21.5	ug/L	20.0	107.50	73.37-125.85	0.500U	15.59	27.33
Chloroethane	22.4	ug/L	20.0	112.10	63.53-147.18	0.500U	11.81	35.69
Chloroform	21.3	ug/L	20.0	106.65	57.73-145.87	0.500U	15.24	28.80
Chloromethane	22.4	ug/L	20.0	112.05	53.83-155.48	0.500U	8.56	29.46
cis-1,2-dichloroethene	22.1	ug/L	20.0	110.50	67.74-134.67	0.200U	16.99	28.79
cis-1,3-Dichloropropene	22.7	ug/L	20.0	113.35	72.35-130.46	0.500U	19.30	25.83
Dibromochloromethane	21.6	ug/L	20.0	107.95	69.54-125.33	0.400U	16.71	28.11
Dibromomethane	21.4	ug/L	20.0	106.90	68.14-132.53	0.500U	17.61	23.67
Ethylbenzene	22.2	ug/L	20.0	110.75	68.03-130.86	0.500U	16.57	25.52
Methyl Iodide	29.3	ug/L	20.0	146.55	44.68-170.45	1.00U	1.30	27.56
Methyl Isobutyl Ketone	24.1	ug/L	20.0	120.50	45.04-143.51	1.00U	29.36	22.66
Methylene chloride	21.6	ug/L	20.0	107.75	29.60-161.21	1.00U	9.53	33.74
o-dichlorobenzene	21.3	ug/L	20.0	106.35	66.77-127.02	0.500U	15.83	28.62
Para-dichlorobenzene	20.9	ug/L	20.0	104.25	65.38-125.99	0.500U	15.11	27.08
Styrene	20.3	ug/L	20.0	101.25	70.76-118.37	0.500U	15.71	28.56
Tetrachloroethene	21.7	ug/L	20.0	108.25	67.64-171.93	0.500U	14.25	32.62
Toluene	22.5	ug/L	20.0	112.40	65.14-135.51	0.500U	15.17	23.01
trans-1,2-dichloroethene	22.9	ug/L	20.0	114.60	68.02-136.55	0.500U	13.91	29.38
trans-1,3,-Dichloropropene	21.8	ug/L	20.0	108.85	70.04-129.81	0.500U	17.70	30.36
Trichloroethene	22.5	ug/L	20.0	112.65	71.89-132.31	0.500U	16.27	25.29
Trichlorofluoromethane	21.8	ug/L	20.0	109.20	44.48-169.12	0.500U	16.02	34.97
Vinyl chloride	22.9	ug/L	20.0	114.70	58.87-147.20	0.500U	14.24	27.28
Xylenes	65.5	ug/L	60.0	109.08	60.84-135.66	1.00U	16.88	24.37
1,1,2-Tetrachloroethane	21.6	ug/L	20.0	108.10	62.33-135.40	0.500U	15.71	29.26



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Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 11, 2012; Invoice: 179162

### Quality Control Batch: 102000530

#### Matrix Spike Duplicate

	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,1,1-Trichloroethane	22.6	ug/L	20.0	113.20	65.25-139.87	0.500U	15.93	28.50	
1,1,2,2-Tetrachloroethane	22.2	ug/L	20.0	110.80	66.18-136.57	0.100U	22.60	30.72	
1,1,2-Trichloroethane	22.0	ug/L	20.0	109.75	74.00-129.28	0.500U	20.66	27.63	
1,1-Dichloroethane	22.6	ug/L	20.0	112.85	60.45-145.88	0.500U	16.08	28.39	
1,1-Dichloroethene	26.1	ug/L	20.0	130.55	48.95-154.90	0.500U	16.64	29.91	
1,2-dichloroethane	21.7	ug/L	20.0	108.35	63.54-140.44	0.500U	17.62	26.67	
1,2-dichloropropane	21.9	ug/L	20.0	109.70	69.00-134.27	0.200U	16.53	28.05	
2-Butanone (MEK)	15.9	ug/L	20.0	79.60	74.66-142.29	0.500U	39.94	44.82	
2-Hexanone	17.8	ug/L	20.0	89.10	59.08-147.93	0.500U	41.71	36.47	
Surr:Bromofluorobenzene	30.2	ug/L	30.0	100.50	50.75-155.35		0.87	19.49	
Surr:Toluene-d8	29.9	ug/L	30.0	99.77	90.53-109.14		0.13	8.07	
Surr:1,2-Dichloroethane-d4	29.4	ug/L	30.0	97.87	82.85-121.80		2.20	9.34	

	Analyst: TRB	Result	Units						
Blank		1.00U	mg/m <sup>3</sup>						

### Quality Control Batch: 102000636

#### Chlorophyll a

### Quality Control Batch: 10200076

#### Blank TOC

Analyst: PCW	Result	Units							
	1.00U	mg/L							

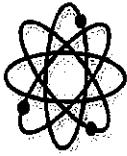
#### Laboratory Control Sample TOC

Analyst: PCW	Result	Units							
	10.0	mg/L							

#### Matrix Spike TOC

Analyst: PCW	Result	Units							
	22.5	mg/L							

FLDOH: E83018 (Main Lab) FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015



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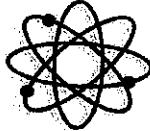
Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

Atkins  
4030 W. Boy Scout Blvd, Ste 700  
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PO #: 40612  
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Date Sampled: Jun 27, 2012  
Jul 11, 2012; Invoice: 179162

### Matrix Spike Duplicate TOC

Result	Units mg/L	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
22.6	10.0	88.39	47.04-140.20	47.04-140.20	13.8	0.59	20.00



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## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met with the exception of Fecal Coliform. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis.

### Quality Control

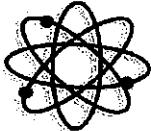
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### 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.





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PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

## Report Summary

Date Received: Jun 28, 2012

FCL Project Manager: June S. Flowers

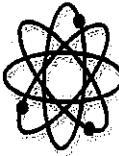
Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
179164GW1	MANHOLE 9/21061	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8081	DLJ	Main Lab	
		EPA8082	DLJ	Main Lab	
		EPA8141	DLJ	Main Lab	
		EPA8151	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		EPA8270	CLS	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2320 B	MAC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM4500-S F	TRB	Main Lab	
		SM4500CN-E	PCW	Main Lab	
		X8081	BRC	Main Lab	
		X8141	BRC	Main Lab	
		X8151	LKP	Main Lab	
		X8270	BRC	Main Lab	
		XPCB	BRC	Main Lab	

## 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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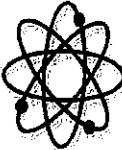
PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

## Analysis Report

**Lab #:** 179164GW1    **Sampled:** 06/27/12 02:22 PM    **Desc:** MANHOLE 9/21061

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Total Alkalinity CaCO3	277	mg/L	1.00	0.100	0.200	10189187	SM4520-B	T-005	07/05/12
Chloride	70.5	mg/L	4.00	16.0	32.0	10197567	SM4500-CIE	16887-00-6	07/02/12
Nitrate(as N)	0.143	mg/L	1.00	0.0100	0.0200	10200126	EPA353.2	14-79-55-8	03:30 PM
Antimony	0.002000 U	mg/L	1.00	0.00200	0.00800	10200238	EPA6020	7440-36-0	06/28/12
Arsenic	0.00651	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7440-38-2	06/28/12
Barium	0.0367	mg/L	1.00	0.00200	0.00400	10200238	EPA6020	7440-39-3	06/28/12
Beryllium	0.000580 I	mg/L	1.00	0.000500	0.00100	10200238	EPA6020	7440-41-7	06/28/12
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7440-43-9	06/28/12
Chromium	0.00998	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7440-47-3	06/28/12
Cobalt	0.00230	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7440-48-4	06/28/12
Copper	0.0302	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7440-50-8	06/28/12
Lead	0.0109	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7439-92-1	06/28/12
Nickel	0.0152	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7440-02-0	06/28/12
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10200238	EPA6020	7782-49-2	06/28/12
Silver	0.000660 I	mg/L	1.00	0.000500	0.00100	10200238	EPA6020	7440-22-4	06/28/12
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7440-28-0	06/28/12
Tin	0.00500 U	mg/L	1.00	0.00500	0.0100	10200238	EPA6020	7440-31-5	06/28/12
Vanadium	0.0105	mg/L	1.00	0.00100	0.00200	10200238	EPA6020	7440-62-2	06/28/12
Zinc	0.0605	mg/L	1.00	0.0100	0.0200	10200238	EPA6020	7440-66-6	06/28/12
Mercury	0.0000323 I	mg/L	1.00	0.0000200	0.0000400	10200364	EPA470	7439-97-6	07/03/12
Iron	8.06	mg/L	1.00	0.0100	0.0200	10200370	EPA6010	7439-89-6	07/02/12
Sodium	45.3	mg/L	1.00	0.500	1.00	10200370	EPA6010	7440-23-5	07/02/12
Chlor_Herb_Extraction	40.0	mL	1.00			10200407	X8151	07/03/12	
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA8011	096-18-4	
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10200428	EPA8011	106-93-4	
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10200428	EPA8011	96-12-8	
Total Sulfide	1.48	mg/L	1.00	0.100	0.200	10200463	SM4500-S F	18496-25-8	

FLDOH: E83018 (Main Lab)    FLDOH: E86562 (South Lab)    FLDOH: E82405 (North Lab)    NJDEP: EL015



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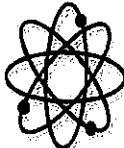
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PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

Lab #:	179164GW1	Sampled:	06/27/12 02:22 PM	Desc:	MANHOLE 9/21061	QC Batch	Method	CAS #	Analyzed
Parameter				Units	DF	MDL	PQL		
Chlor_Pest_Extraction		1000	mL	1.00			10200506	X8081	07/03/12
PCB_Extraction		1000	mL	1.00			10200509	XPCB	07/03/12
Acid Base Extraction		1000	mL	1.00			10200510	X8270	07/02/12
Cyanide	0.00500 U	mg/L		1.00	0.00500	0.0100	10200520	SM4500CN-E	57-12-5
1,1,1,2-Tetrachloroethane	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	630-20-6
1,1,1-Trichloroethane	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	71-55-6
1,1,2,2-Tetrachloroethane	0.100 U	ug/L		1.00	0.100	0.200	10200535	EPA8260	79-34-5
1,1,2-Trichloroethane	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	79-00-5
1,1-Dichloroethane	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	75-34-3
1,1-Dichloroethylene	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	75-35-4
1,1-Dichloropropene	0.200 U	ug/L		1.00	0.200	0.400	10200535	EPA8260	563-58-6
1,2,4-trichlorobenzene	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	120-82-1
1,2-dichloroethane	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	107-06-2
1,2-dichloropropane	0.200 U	ug/L		1.00	0.200	0.400	10200535	EPA8260	78-87-5
1,3-Dichloropropane	0.300 U	ug/L		1.00	0.300	0.600	10200535	EPA8260	142-28-9
2,2-Dichloropropane	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	594-20-7
2-Butanone (MEK)	15.8	ug/L		1.00	0.500	1.00	10200535	EPA8260	78-93-3
2-Hexanone	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	591-78-6
Acetone	10.5	ug/L		1.00	5.00	10.0	10200535	EPA8260	67-64-1
Acetonitrile	1.00 U	ug/L		1.00	1.00	2.00	10200535	EPA8260	75-05-8
Acrolein	3.50 U	ug/L		1.00	3.50	7.00	10200535	EPA8260	107-02-8
Acrylonitrile	0.300 U	ug/L		1.00	0.300	0.600	10200535	EPA8260	07/05/12
Allyl Chloride	1.00 U	ug/L		1.00	1.00	2.00	10200535	EPA8260	107-13-1
Benzene	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	107-05-1
Bromochloromethane	0.100 U	ug/L		1.00	0.100	1.00	10200535	EPA8260	71-43-2
Bromodichloromethane	0.100 U	ug/L		1.00	0.100	0.200	10200535	EPA8260	074-97-5
Bromoform	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	75-27-4
Bromomethane	0.500 U	ug/L		1.00	0.500	1.00	10200535	EPA8260	75-25-2
Carbon Disulfide	1.00 U	ug/L		1.00	1.00	2.00	10200535	EPA8260	07/05/12
									07/05/12



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PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
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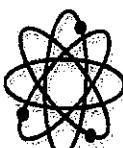
Lab #: 179164/GW1    Sampled: 06/27/12 02:22 PM    Desc: MANHOLE 9/21061

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	56-23-5	07/05/12
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	108-90-7	07/05/12
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	75-00-3	07/05/12
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	67-66-3	07/05/12
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	74-87-3	07/05/12
Chloroprene	5.00 U	ug/L	1.00	5.00	10.0	10200535	EPA8260	126-99-8	07/05/12
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10200535	EPA8260	124-48-1	07/05/12
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	074-95-3	07/05/12
Dichlorodifluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	75-71-8	07/05/12
Ethyl methacrylate	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	97-63-2	07/05/12
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	100-41-4	07/05/12
Iso-butyl Alcohol	1.00 U	ug/L	1.00	1.00	2.00	10200535	EPA8260	78-83-1	07/05/12
Methacrylonitrile	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	126-98-7	07/05/12
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10200535	EPA8260	074-88-4	07/05/12
Methyl Methacrylate	2.00 U	ug/L	1.00	2.00	4.00	10200535	EPA8260	80-62-6	07/05/12
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10200535	EPA8260	108-10-1	07/05/12
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10200535	EPA8260	75-09-2	07/05/12
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	106-46-7	07/05/12
Propionitrile	1.00 U	ug/L	1.00	1.00	2.00	10200535	EPA8260	107-12-0	07/05/12
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	100-42-5	07/05/12
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	127-18-4	07/05/12
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	108-88-3	07/05/12
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	79-01-6	07/05/12
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	75-69-4	07/05/12
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10200535	EPA8260	108-05-4	07/05/12
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	75-01-4	07/05/12
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10200535	EPA8260	1330-20-7	07/05/12
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10200535	EPA8260	156-59-2	07/05/12
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10200535	EPA8260	10061-01-5	07/05/12

FLDOH: E83018 (Main Lab)    FLDOH: E86562 (South Lab)    NJDEP: FL015

FLDOH: E82405 (North Lab)    FLDOH: E86562 (South Lab)    NJDEP: FL015

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# FLOWERS CHEMICAL LABORATORIES INC.

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

**Lab #:** 179164GW1    **Sampled:** 06/27/12 02:22 PM    **Desc:** MANHOLE 9/21061

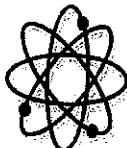
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
m-dichlorobenzene	0.500	ug/L	1.00	0.500	1.00	10200535	EPA8260	541-73-1	07/05/12
o-dichlorobenzene	0.500	ug/L	1.00	0.500	1.00	10200535	EPA8260	95-50-1	07/05/12
trans-1,2-dichloroethene	0.500	ug/L	1.00	0.500	1.00	10200535	EPA8260	156-60-5	07/05/12
trans-1,3-Dichloropropene	0.500	ug/L	1.00	0.500	1.00	10200535	EPA8260	10061-02-6	07/05/12
trans-1,4-dichloro-2-butene	1.00	ug/L	1.00	1.00	2.00	10200535	EPA8260	110-57-6	07/05/12
Surr:1,2-Dichloroethane-d4 (77-129%)	92.93%					10200535	EPA8260		07/05/12
Surr:Bromofluorobenzene (82-122%)	88.23%					10200535	EPA8260		07/05/12
Surr:Toluene-d8 (80-120%)	94.93%					10200535	EPA8260	460-00-4	07/05/12
Surr:2-Fluorophenol (7-118%)	0.0100	ug/L	1.00	0.0100	0.0100	10200535	EPA8260		07/05/12
1,2,4,5-Tetrachlorobenzene	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	95-94-3	07/05/12
1,4-Naphthoquinone	10.0	ug/L	1.00	10.0	20.0	10200544	EPA8270	130-15-4	07/05/12
1-Naphthalamine	10.0	ug/L	1.00	10.0	20.0	10200544	EPA8270	134-32-7	07/05/12
2,3,4,6-Tetrachlorophenol	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	58-90-2	07/05/12
2,4,5-Trichlorophenol	1.00	ug/L	1.00	1.00	4.00	10200544	EPA8270	95-95-4	07/05/12
2,4,6-Trichlorophenol	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	51-28-5	07/05/12
2,4-Dichlorophenol	1.00	ug/L	1.00	1.00	4.00	10200544	EPA8270	88-06-2	07/05/12
2,4-Dimethylphenol	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	120-83-2	07/05/12
2-Acetylaminofluorene	5.00	ug/L	1.00	5.00	10.0	10200544	EPA8270	105-67-9	07/05/12
2-Chloronaphthalene	0.200	ug/L	1.00	0.200	0.200	10200544	EPA8270		07/05/12
2-Naphthylamine	1.00	ug/L	1.00	1.00	4.00	10200544	EPA8270	91-58-7	07/05/12
2,6-Dichlorophenol	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	87-65-0	07/05/12
2,6-Dinitrotoluene	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	606-20-2	07/05/12
2-Acetylaminofluorene	10.0	ug/L	1.00	10.0	20.0	10200544	EPA8270	53-96-3	07/05/12
2-methyl-Naphthalene	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	534-52-1	07/05/12
2-Nitrophenol	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	91-57-6	07/05/12
2-chlorophenol	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	88-75-5	07/05/12
2-methyl-4,6-dinitrophenol	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	95-57-8	07/05/12
3,3'-Dichlorobenzidene	2.00	ug/L	1.00	2.00	4.00	10200544	EPA8270	91-94-1	07/05/12

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NUDEP: FL015



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E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Jun 27, 2012

Jul 16, 2012; Invoice: 179164

**Lab #:** 179164GW1    **Sampled:** 06/27/12 02:22 PM    **Desc:** MANHOLE 9/21061

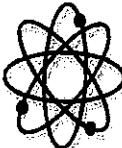
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
3,3'-Dimethylbenzidine	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	119-93-7	07/05/12
3-Methylcholanthrene	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	56-49-5	07/05/12
4-Aminobiphenyl	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	92-67-1	07/05/12
4-Bromophenyl/phenyl ether	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	101-55-3	07/05/12
4-Chlorophenyl/phenyl ether	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	7005-72-3	07/05/12
4-Nitrophenol	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	100-02-7	07/05/12
5-Nitro-o-tolidine	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	99-55-8	07/05/12
7,12-Dimethylbenz(a)anthracene	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	57-97-6	07/05/12
Acenaphthene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	83-32-9	07/05/12
Acenaphthylene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	208-96-8	07/05/12
Acetophenone	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	98-86-2	07/05/12
Anthracene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	120-12-7	07/05/12
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10200544	EPA8270	56-55-3	07/05/12
Benzo(a)pyrene	1.00 U	ug/L	1.00	1.00	4.00	10200544	EPA8270	50-32-8	07/05/12
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.100	10200544	EPA8270	205-99-2	07/05/12
Benzo(g,h,i)perylene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	191-24-2	07/05/12
Benzo(k)fluoranthene	1.00 U	ug/L	1.00	1.00	4.00	10200544	EPA8270	207-08-9	07/05/12
Benzyl alcohol	5.00 U	ug/L	1.00	5.00	10.0	10200544	EPA8270	100-51-6	07/05/12
Bis(2-chloroethoxy)methane	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	85-68-7	07/05/12
Bis(2-chloroethyl)ether	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	111-91-1	07/05/12
Bis(2-ethylhexyl)phthalate	3.00 U	ug/L	1.00	3.00	6.00	10200544	EPA8270	111-44-4	07/05/12
Butyl benzyl phthalate	3.00 U	ug/L	1.00	3.00	6.00	10200544	EPA8270	117-81-7	07/05/12
Chlorobenzilate	0.800 U	ug/L	1.00	0.800	1.60	10200544	EPA8270	132-64-9	07/05/12
Chrysene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	218-01-9	07/05/12
Di-n-butylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10200544	EPA8270	84-74-2	07/05/12
Di-n-octylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10200544	EPA8270	117-84-0	07/05/12
Diallate	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	2303-16-4	07/05/12
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.200	10200544	EPA8270	53-70-3	07/05/12
Dibenzoifuran	5.00 U	ug/L	1.00	5.00	10.0	10200544	EPA8270	132-64-9	07/05/12

FLOH: E83018 (Main Lab)

FLOH: E86562 (South Lab)

FLOH: E82405 (North Lab)

NJDEP: FL016



# FLOWERS CHEMICAL LABORATORIES INC.

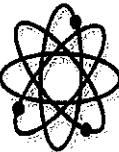
P.O. Box 150597, Altamonte Springs FL 32715-0597  
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E35834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

Parameter	Sampled:	Desc:	MANHOLE 9/21061	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Diethylphthalate	06/27/12 02:22 PM		ug/L	1.00	3.00	6.00	10200544	EPA8270	84-66-2	07/05/12	
Dimethoate			ug/L	1.00	2.00	4.00	10200544	EPA8270	60-51-5	07/05/12	
Dimethylphthalate			ug/L	1.00	3.00	6.00	10200544	EPA8270	131-11-3	07/05/12	
Diphenylamine			ug/L	1.00	10.0	20.0	10200544	EPA8270	122-39-4	07/05/12	
Ethyl methanesulfonate			ug/L	1.00	20.0	40.0	10200544	EPA8270	62-50-0	07/05/12	
Famphur			ug/L	1.00	2.00	4.00	10200544	EPA8270	52-85-7	07/05/12	
Fluoranthene			ug/L	1.00	2.00	4.00	10200544	EPA8270	206-44-0	07/05/12	
Fluorene			ug/L	1.00	2.00	4.00	10200544	EPA8270	86-73-7	07/05/12	
Hexachlorobenzene			ug/L	1.00	1.00	4.00	10200544	EPA8270	118-74-1	07/05/12	
Hexachlorobutadiene			ug/L	1.00	2.00	4.00	10200544	EPA8270	87-68-3	07/05/12	
Hexachlorocyclopentadiene			ug/L	1.00	2.00	4.00	10200544	EPA8270	77-47-4	07/05/12	
Hexachloroethane			ug/L	1.00	2.00	4.00	10200544	EPA8270	67-72-1	07/05/12	
Hexachloropropene			ug/L	1.00	10.0	20.0	10200544	EPA8270	1888-71-7	07/05/12	
Indeno(1,2,3-od)pyrene			ug/L	1.00	0.200	0.200	10200544	EPA8270	193-39-5	07/05/12	
Isodrin			ug/L	1.00	20.0	40.0	10200544	EPA8270	465-73-6	07/05/12	
Isoaphrone			ug/L	1.00	2.00	4.00	10200544	EPA8270	78-59-1	07/05/12	
Isosafrole			ug/L	1.00	10.0	20.0	10200544	EPA8270	120-58-1	07/05/12	
Kepone			ug/L	1.00	2.00	4.00	10200544	EPA8270	143-50-0	07/05/12	
Methapyrilene			ug/L	1.00	20.0	40.0	10200544	EPA8270	91-80-5	07/05/12	
Methyl methanesulfonate			ug/L	1.00	10.0	20.0	10200544	EPA8270	66-27-3	07/05/12	
N-Nitroso di-n-butylamine			ug/L	1.00	2.00	4.00	10200544	EPA8270	924-16-3	07/05/12	
N-Nitrosodi-n-propylamine			ug/L	1.00	2.00	4.00	10200544	EPA8270	621-64-7	07/05/12	
N-Nitrosodiethylamine			ug/L	1.00	3.00	12.0	10200544	EPA8270	55-18-5	07/05/12	
N-Nitrosodimethylamine			ug/L	1.00	3.00	12.0	10200544	EPA8270	62-75-9	07/05/12	
N-Nitrosodiphenylamine			ug/L	1.00	2.00	4.00	10200544	EPA8270	86-30-6	07/05/12	
N-Nitrosomethylalkylamine			ug/L	1.00	2.00	4.00	10200544	EPA8270	10595-95-6	07/05/12	
N-Nitrosopiperidine			ug/L	1.00	2.00	4.00	10200544	EPA8270	100-75-4	07/05/12	
Naphthalene			ug/L	1.00	2.00	4.00	10200544	EPA8270	930-55-2	07/05/12	
									91-20-3	07/05/12	



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E83018 (Main Lab)  
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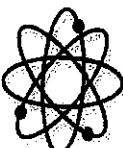
PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
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**Lab #:** 179164GW1    **Sampled:** 06/27/12 02:22 PM    **Desc:** MANHOLE 9/21061

Parameter	Result	Units	DF	MDL	QC Batch	Method	CAS #	Analyzed
Nitrobenzene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	98-95-3 07/05/12
O,O,O-Triethylphosphorothioate	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	126-68-1 07/05/12
O,O-diethyl-O,2-pyrazinylphosphorothioate	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	297-97-2 07/05/12
Pentachlorobenzene	0.300 U	ug/L	1.00	0.300	0.600	10200544	EPA8270	608-93-5 07/05/12
Pentachloronitrobenzene	0.300 U	ug/L	1.00	0.300	0.600	10200544	EPA8270	82-68-8 07/05/12
Pentachlorophenol	0.400 U	ug/L	1.00	0.400	0.800	10200544	EPA8270	87-86-5 07/05/12
Phenacetin	20.0 U	ug/L	1.00	20.0	40.0	10200544	EPA8270	62-44-2 07/05/12
Phenanthrene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	85-01-8 07/05/12
Phenol	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	108-95-2 07/05/12
Pronamide	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	23950-58-5 07/05/12
Pyrene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	129-00-0 07/05/12
Saffrole	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	94-59-7 07/05/12
Trinitrobenzene	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	99-35-4 07/05/12
m-Cresol	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	108-39-4 07/05/12
m-Dinitrobenzene	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	99-65-0 07/05/12
m-nitroaniline	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	99-09-2 07/05/12
c-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	95-48-7 07/05/12
c-Toluidine	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	95-53-4 07/05/12
c-nitroaniline	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	88-74-4 07/05/12
p-(Dimethylamino)azobenzene	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	60-11-7 07/05/12
p-Chloro-m-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	59-50-7 07/05/12
p-Chloroaniline	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	106-47-8 07/05/12
p-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	106-44-5 07/05/12
p-Phenylenediamine	10.0 U	ug/L	1.00	10.0	20.0	10200544	EPA8270	106-50-3 07/05/12
p-nitroaniline	2.00 U	ug/L	1.00	2.00	4.00	10200544	EPA8270	100-01-6 07/05/12
Surr:2,4,6-Tribromophenol (20-122%)	35.04%							118-79-6 07/05/12
Surr:2:Fluorobiphenyl (18-110%)	51.62%							321-60-8 07/05/12
Surr:Nitrobenzene-d5 (5-135%)	56.14%							07/05/12
Surr:Phenol-d5 (3-127%)	1.00 U							07/05/12

FLOH: E83018 (Main Lab)    FLDOH: E865652 (South Lab)

FLDOH: E82405 (North Lab)    NJDEP: FL015



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 Phone: 850-973-6878 / Fax: 850-973-6878      EB2405 (North Lab)  
 Phone: 305-743-8596 / 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 LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

**Lab #:** 179164GW1    **Sampled:** 08/27/12 02:22 PM    **Desc:** MANHOLE:9/21061

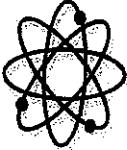
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Surr:Terphenyl-d14 (37-143%)	18.26%		1.00	1.00	1.00	10200544	EPA8270	07/05/12		
Phos_Pest_Extraction	1000	mL	1.00			10200669	X8141	07/03/12		
Ammonia (as N)	10.5	mg/L	60.0	0.600	1.20	10200688	EPA350.1	07/09/12		
Field pH (units)	6.52	pH	1.00	0.0100	0.0200	10200692	FT1100	7684-41-7		
Field Conductivity	0.782	umhos/cm	1.00	0.100	0.100	10200692	FT1200	06/27/12		
Field Temp. (C)	27.7	oC	1.00	0.100	0.100	10200692	FT1400	06/27/12		
Field DO	3.41	mg/L	1.00	0.100	0.100	10200692	FT1500	06/27/12		
Field Turbidity	8.91	NTU	1.00	0.100	0.100	10200692	FT1600	06/27/12		
2,4,5-T	0.250	ug/L	1.00	0.250	0.500	10200787	EPA8151	93-76-5		
2,4,5-TP (Silvex)	0.250	U	ug/L	1.00	0.250	0.500	10200787	EPA8151	93-72-1	
2,4-D	0.250	U	ug/L	1.00	0.250	0.500	10200787	EPA8151	94-75-7	
Dinoseb	0.250	U	ug/L	1.00	0.250	0.500	10200787	EPA8151	88-85-7	
TDS	514	mg/L	1.00	2.50	5.00	10200866	SM2540 C	10-33-3		
Arachlor 1016	0.100	U	ug/L	1.00	0.100	0.200	10200887	EPA8082	12674-11-2	
Arachlor 1221	0.100	U	ug/L	1.00	0.100	0.200	10200887	EPA8082	11104-28-2	
Arachlor 1232	0.100	U	ug/L	1.00	0.100	0.200	10200887	EPA8082	11141-16-5	
Arachlor 1242	0.100	U	ug/L	1.00	0.100	0.200	10200887	EPA8082	53469-21-9	
Arachlor 1248	0.100	U	ug/L	1.00	0.100	0.200	10200887	EPA8082	12672-29-6	
Arachlor 1254	0.100	U	ug/L	1.00	0.100	0.200	10200887	EPA8082	11097-69-1	
Arachlor 1260	0.100	U	ug/L	1.00	0.100	0.200	10200887	EPA8082	07/09/12	
4,4'-DDD	0.0200	U	ug/L	1.00	0.0200	0.0400	10200895	EPA8081	30-00-2	
4,4'-DDE	0.0200	U	ug/L	1.00	0.0200	0.0400	10200895	EPA8081	57-74-9	
4,4'-DDT	0.0200	U	ug/L	1.00	0.0200	0.0400	10200895	EPA8081	60-57-1	
Adrin	0.0200	U	ug/L	1.00	0.0200	0.0400	10200895	EPA8081	959-98-8	
Chlordane	0.0100	U	ug/L	1.00	0.0100	0.0200	10200895	EPA8081	33213-65-9	
Dieldrin	0.0200	U	ug/L	1.00	0.0200	0.0400	10200895	EPA8081	07/09/12	
Endosulfan_I	0.0100	U	ug/L	1.00	0.0100	0.0200	10200895	EPA8081	1031-07-8	
Endosulfan_II	0.0100	U	ug/L	1.00	0.0100	0.0200	10200895	EPA8081	07/09/12	
Endosulfan_sulfate	0.0200	U	ug/L	1.00	0.0200	0.0400	10200895	EPA8081	07/09/12	

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NDEP: FL015



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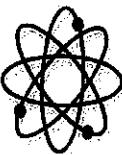
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 E83018 (Main Lab),  
 E86562 (South Lab)  
 E82405 (North Lab)  
 E35934 (Keys Lab)

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

Lab #: 179164GW1    Sampled: 06/27/12 02:22 PM    Desc: MANHOLE 9/21061

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Endrin	0.0100	U	ug/L	0.0100	0.0200	10200895	EPA8081	72-20-8	07/09/12
Endrin Aldehyde	0.0200	U	ug/L	0.0200	0.0400	10200895	EPA8081	7421-93-4	07/09/12
Heptachlor	0.0100	U	ug/L	0.0100	0.0200	10200895	EPA8081	76-44-8	07/09/12
Heptachlor epoxide	0.0100	U	ug/L	0.0100	0.0200	10200895	EPA8081	1024-57-3	07/09/12
Lindane (g-BHC)	0.0100	U	ug/L	0.0100	0.0200	10200895	EPA8081	58-89-9	07/09/12
Methoxychlor	0.0100	U	ug/L	0.0100	0.0200	10200895	EPA8081	72-43-5	07/09/12
Toxaphene	0.500	U	ug/L	0.500	1.00	10200895	EPA8081	8001-35-2	07/09/12
a-BHC	0.0200	U	ug/L	0.0200	0.0200	10200895	EPA8081	319-84-6	07/09/12
b-BHC	0.0100	U	ug/L	0.0100	0.0200	10200895	EPA8081	319-85-7	07/09/12
d-BHC	0.0100	U	ug/L	0.0100	0.0200	10200895	EPA8081	319-86-8	07/09/12
Surr: Decachlorobiphenyl (26-128%)	82.63%			1.00	0.000100	0.000200	10200895	EPA8081	07/09/12
Disulfoton	0.300	U	ug/L	1.00	0.300	2.00	10201142	EPA8141	298-04-4
Ethy Parathion	0.500	U	ug/L	1.00	0.500	1.00	10201142	EPA8141	56382
Methyl Parathion	0.500	U	ug/L	1.00	0.500	1.00	10201142	EPA8141	298-00-0
Phorate	1.00	U	ug/L	1.00	2.00	10201142	EPA8141	298-02-2	07/11/12



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EB3018 (Main Lab)  
EB6563 (South Lab)  
EB2405 (North Lab)  
E35834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

## Quality Report

### Quality Control Batch: 10189187

#### Blank

#### Total Alkalinity CaCO<sub>3</sub>

	Analyst: MAC	Units	
	Result	mg/L	
	0.340		

#### Laboratory Control Sample

#### Total Alkalinity CaCO<sub>3</sub>

	Analyst: MAC	Units	
	Result	mg/L	
	101		

### Quality Control Batch: 10197567

#### Blank

#### Chloride

	Analyst: VLB	Units	
	Result	mg/L	
	4.00U		

#### Laboratory Control Sample

#### Chloride

	Analyst: VLB	Units	
	Result	mg/L	
	50.4		

### Quality Control Batch: 102200126

#### Blank

#### Nitrate(as N)

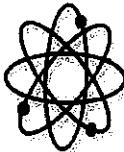
	Analyst: PCW	Units	
	Result	mg/L	
	0.0100U		

#### Laboratory Control Sample

#### Nitrate(as N)

	Analyst: PCW	Units	
	Result	mg/L	
	2.11		

	Analyst: PCW	Units	
	Result	mg/L	
	3.76		



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 E82405 (North Lab)  
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 E35534 (Keys Lab)

Atkins  
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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
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## Matrix Spike Duplicate Nitrate(as N)

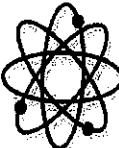
**Quality Control Batch:** 10200238

Blank	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.00200U	mg/L	0.00100U	mg/L				
Arsenic	0.00100U	mg/L	0.00200U	mg/L				
Barium	0.000500U	mg/L	0.00100U	mg/L				
Beryllium	0.000500U	mg/L	0.00100U	mg/L				
Cadmium	0.000500U	mg/L	0.00100U	mg/L				
Chromium	0.00100U	mg/L	0.00100U	mg/L				
Cobalt	0.00100U	mg/L	0.00100U	mg/L				
Copper	0.00100U	mg/L	0.00100U	mg/L				
Lead	0.00100U	mg/L	0.00100U	mg/L				
Nickel	0.00200U	mg/L	0.000500U	mg/L				
Selenium	0.000500U	mg/L	0.00100U	mg/L				
Silver	0.00500U	mg/L	0.00100U	mg/L				
Thallium	0.00100U	mg/L	0.00100U	mg/L				
Tin	0.00100U	mg/L	0.00100U	mg/L				
Vanadium	0.00100U	mg/L						
Zinc	0.00100U	mg/L						

## Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
0.0941	mg/L	0.100	94.06	76.70-120.39
0.101	mg/L	0.100	100.80	81.09-119.32
0.0906	mg/L	0.100	90.63	84.59-125.11
0.118	mg/L	0.100	118.05	85.69-132.22
0.0991	mg/L	0.100	99.05	84.66-121.81
0.102	mg/L	0.100	102.34	87.00-122.96
0.103	mg/L	0.100	103.33	78.66-126.98
0.102	mg/L	0.100	101.87	84.08-122.69

FLDOH: E83018 (Main Lab)      FLDOH: E86562 (South Lab)      FLDOH: E82405 (North Lab)      NJDEP: FL015



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 EB2405 (North Lab)  
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 E35334 (Keys Lab)

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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

## Quality Control Batch: 10200238

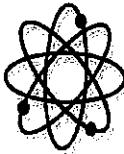
### Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Lead	0.0907	mg/L	0.100	90.73	86.91-124.18
Nickel	0.105	mg/L	0.100	104.79	77.31-126.31
Selenium	0.107	mg/L	0.100	106.75	75.98-121.42
Silver	0.0924	mg/L	0.100	92.40	79.76-119.92
Thallium	0.0890	mg/L	0.100	89.00	80.95-125.84
Tin	0.0986	mg/L	0.100	98.64	74.22-128.88
Vanadium	0.0960	mg/L	0.100	96.02	78.51-125.51
Zinc	0.102	mg/L	0.100	101.90	79.82-122.80

### Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.0885	mg/L	0.100	88.54	73.48-142.27	0.00200U
Arsenic	0.1110	mg/L	0.100	86.36	73.05-140.45	0.0240
Barium	0.169	mg/L	0.100	86.70	70.68-156.87	0.0820
Beryllium	0.0996	mg/L	0.100	99.59	89.27-154.67	0.000500U
Cadmium	0.0803	mg/L	0.100	80.26	76.87-137.80	0.00100U
Chromium	0.0803	mg/L	0.100	78.68	67.91-144.29	0.00162
Cobalt	0.0713	mg/L	0.100	70.28	68.92-150.01	0.00102
Copper	0.0762	mg/L	0.100	71.49	57.84-148.77	0.00472
Lead	0.0899	mg/L	0.100	89.90	69.09-150.83	0.00100U
Nickel	0.0828	mg/L	0.100	63.12	58.01-145.27	0.0197
Selenium	0.0939	mg/L	0.100	85.61	63.72-144.34	0.00832
Silver	0.0822	mg/L	0.100	82.23	48.94-146.79	0.000500U
Thallium	0.0810	mg/L	0.100	80.95	68.93-151.79	0.00100U
Tin	0.143	mg/L	0.100	134.91	70.18-138.70	0.00773
Vanadium	0.110	mg/L	0.100	83.47	72.08-149.74	0.0262
Zinc	0.0791	mg/L	0.100	59.84	51.79-149.89	0.0192
<b>Matrix Spike Duplicate</b>						
Antimony	0.0875	mg/L	0.100	87.47	73.48-142.27	0.00200U

FLDOH: E83018 (Main Lab) FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015



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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

## Quality Control Batch: 102000238

### Matrix Spike Duplicate

	<b>Analyst: EVB</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Arsenic	0.109	mg/L	0.100	85.15	73.05-140.45	0.0240	1.10	26.42	
Barium	0.169	mg/L	0.100	86.62	70.68-156.87	0.0820	0.06	20.91	
Beryllium	0.101	mg/L	0.100	101.02	89.27-154.67	0.000500U	1.43	22.45	
Cadmium	0.0781	mg/L	0.100	78.13	76.87-137.80	0.00100U	2.69	24.42	
Chromium	0.0838	mg/L	0.100	82.17	67.91-144.29	0.00162	4.25	26.93	
Cobalt	0.0745	mg/L	0.100	73.48	68.92-150.01	0.00102	4.39	20.94	
Copper	0.0752	mg/L	0.100	70.48	57.64-148.77	0.00472	1.33	26.04	
Lead	0.0838	mg/L	0.100	83.80	69.09-150.83	0.00100U	7.02	26.35	
Nickel	0.0852	mg/L	0.100	65.47	58.01-145.27	0.0197	2.80	25.87	
Selenium	0.0896	mg/L	0.100	81.27	63.72-144.34	0.00832	4.73	23.19	
Silver	0.0816	mg/L	0.100	81.60	48.94-146.79	0.000500U	0.77	25.78	
Thallium	0.0787	mg/L	0.100	78.73	68.93-151.79	0.00100U	2.78	22.45	
Tin	0.1118	mg/L	0.100	110.66	70.18-138.70	0.00773	18.58	23.15	
Vanadium	0.1114	mg/L	0.100	87.47	72.08-149.74	0.0262	3.58	21.04	
Zinc	0.0817	mg/L	0.100	62.48	51.79-149.89	0.0192	3.28	25.51	

## Quality Control Batch: 102000364

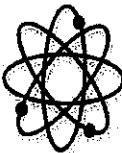
### Blank

Mercury

Analyst: EVB  
 Result 0.00000200U

Units mg/L

	<b>Analyst: EVB</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Laboratory Control Sample									
Mercury		0.00102	mg/L	0.00100	101.50	91.59-113.24			
Matrix Spike		0.00293	mg/L	0.00300	97.80	84.79-120.82	0.0000200U		
Matrix Spike Duplicate		0.00294	mg/L	0.00300	98.13	84.79-120.82	0.0000200U	0.34	7.61



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E33018 (Main Lab)  
 ER6562 (South Lab)  
 EB405 (North Lab)  
 E35834 (Keys Lab)

Atkins  
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PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
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### Quality Control Batch: 10200370

#### Blank

	Result	Units	Analyst: EVB
Iron	0.0100U	mg/L	
Sodium	0.500U	mg/L	

#### Laboratory Control Sample

	Result	Units	Analyst: EVB
Iron	5.08	mg/L	
Sodium	5.19	mg/L	

#### Matrix Spike

	Result	Units	Analyst: EVB
Iron	5.39	mg/L	
Sodium	9.21	mg/L	

#### Matrix Spike Duplicate

	Result	Units	Analyst: EVB
Iron	5.19	mg/L	
Sodium	8.89	mg/L	

### Quality Control Batch: 10200428

#### Blank

	Result	Units	Analyst: DLJ
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	

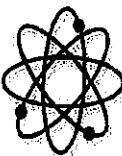
#### Laboratory Control Sample

	Result	Units	Analyst: DLJ
1,2,3-Trichloropropane	0.806	ug/L	
1,2-Dibromoethane (EDB)	0.729	ug/L	
1,2-dibromo-3-chloropropane	0.786	ug/L	

#### Matrix Spike

	Result	Units	Analyst: DLJ
1,2,3-Trichloropropane	0.943	ug/L	

FLDOH: E83018 (Main Lab) FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015



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Phone: 407-339-5984 / Fax: 407-260-6110      E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089      E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878      E82405 (North Lab)  
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 LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

## Quality Control Batch: 10200428

### Matrix Spike

1,2-Dibromoethane (EDB)

1,2-dibromo-3-chloropropane

### Analyst: DLJ

#### Result

0.705

0.776

#### Units

ug/L

ug/L

#### Spike

0.750

0.750

#### %REC

94.04

103.44

#### %REC Lim

68.22-125.80

60.03-124.62

#### Sample

0.0100U

0.0200U

## Quality Control Batch: 10200463

### Blank

Total Sulfide

### Analyst: TRB

#### Result

0.100U

#### Units

mg/L

#### Spike

20.0

#### %REC

100.00

#### %REC Lim

80.00-120.00

## Quality Control Batch: 10200520

### Blank

Cyanide

### Analyst: PCW

#### Result

0.00500U

#### Units

mg/L

#### Spike

0.100

#### %REC

96.10

#### %REC Lim

53.81-126.21

### Laboratory Control Sample

### Matrix Spike

Cyanide

### Analyst: PCW

#### Result

0.0961

#### Units

mg/L

#### Spike

0.0800

#### %REC

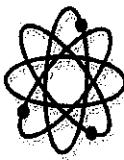
100.84

#### %REC Lim

50.34-120.53

#### Sample

0.00493



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Tampa, FL 33607

PO #: 40612  
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Date Sampled: Jun 27, 2012  
Jul 16, 2012, Invoice: 179164

## Matrix Spike Duplicate

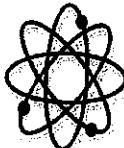
### Cyanide

### Blank

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
	0.0855	mg/L	0.0800	100.71	50.34-120.53	0.00493	0.12	22.35

### Quality Control Batch: 10200535

	Analyst: CLS	Result	Units
Blank		5.00U	ug/L
Acetone		1.00U	ug/L
Acetonitrile		3.50U	ug/L
Acrolein		0.300U	ug/L
Acrylonitrile		1.00U	ug/L
Allyl Chloride		0.500U	ug/L
Benzene		0.100U	ug/L
Bromochloromethane		0.100U	ug/L
Bromodichloromethane		0.500U	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
Chloroprene		5.00U	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
Dichlorodifluoromethane		0.500U	ug/L
Ethyl methacrylate		0.500U	ug/L
Ethylbenzene		0.500U	ug/L
Iso-butyl Alcohol		1.00U	ug/L
Methacrylonitrile		0.500U	ug/L



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E83018 (Main Lab)  
 E86562 (South Lab)  
 EB2405 (North Lab)  
 E35834 (Keys Lab)

Atkins  
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 Tampa, FL 33607

PO #: 40612  
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 Date Sampled: Jun 27, 2012  
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## Quality Control Batch: 10200535

### Blank

	Analyst: CLS	Units
Blank	Result	
Methyl Iodide	1.00U	ug/L
Methyl Isobutyl ketone	1.00U	ug/L
Methyl Methacrylate	2.00U	ug/L
Methylene chloride	1.00U	ug/L
m-dichlorobenzene	0.500U	ug/L
o-dichlorobenzene	0.500U	ug/L
Para-dichlorobenzene	0.500U	ug/L
Propionitrile	1.00U	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
1,1-Dichloropropene	0.200U	ug/L
1,2,4-trichlorobenzene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L

FLODH: E83018 (Main Lab)

FLODH: E86562 (South Lab)

FLODH: EB2405 (North Lab)

NDEP: FL015



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E83018 (Main Lab)  
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Atkins  
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## Quality Control Batch: 10200535

Blank	Result	CLS	Units
0.300U	0.300U	ug/L	ug/L
0.500U	0.500U	ug/L	ug/L
0.500U	0.500U	ug/L	ug/L
27.0	27.0	ug/L	ug/L
28.2	28.2	ug/L	ug/L
28.4	28.4	ug/L	ug/L

## Analyst: CLS

Result	Units	Spike	%REC
11.8	ug/L	10.0	118.10
10.4	ug/L	10.0	103.50
8.64	ug/L	10.0	86.40
9.65	ug/L	10.0	96.50
9.37	ug/L	10.0	93.70
9.60	ug/L	10.0	96.00
8.77	ug/L	10.0	87.70
9.36	ug/L	10.0	93.60
11.3	ug/L	10.0	112.60
9.65	ug/L	10.0	96.50
9.40	ug/L	10.0	94.00
11.2	ug/L	10.0	111.90
9.65	ug/L	10.0	96.50
10.3	ug/L	10.0	102.60
9.19	ug/L	10.0	91.90
8.41	ug/L	10.0	84.10
9.45	ug/L	10.0	94.50
9.32	ug/L	10.0	93.20
10.6	ug/L	10.0	106.30
10.1	ug/L	10.0	100.50

## Laboratory Control Sample

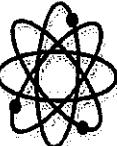
Result	Units	Spike	%REC
Acetone	ug/L	10.0	118.10
Acrylonitrile	ug/L	10.0	103.50
Allyl Chloride	ug/L	10.0	86.40
Benzene	ug/L	10.0	96.50
Bromochloromethane	ug/L	10.0	93.70
Bromodichloromethane	ug/L	10.0	73.37-125.03
Bromoform	ug/L	10.0	73.69-129.06
Bromomethane	ug/L	10.0	87.70
Carbon Disulfide	ug/L	10.0	66.50-120.60
Carbon Tetrachloride	ug/L	10.0	52.06-149.03
Chlorobenzene	ug/L	10.0	72.42-160.65
Chloroethane	ug/L	10.0	69.24-130.87
Chloroform	ug/L	10.0	76.12-122.63
Chloromethane	ug/L	10.0	54.48-148.84
cis-1,2-dichloroethene	ug/L	10.0	70.86-132.14
cis-1,3-Dichloropropene	ug/L	10.0	53.66-151.98
Dibromochloromethane	ug/L	10.0	72.17-127.13
Dibromomethane	ug/L	10.0	72.26-128.63
Dichlorodifluoromethane	ug/L	10.0	72.48-118.93
Ethyl methacrylate	ug/L	10.0	76.53-123.91
		106.30	32.37-167.41
		100.50	80.00-120.00

FLDOH: E83018 (Main Lab)

FLDOH: E82405 (North Lab)

NJDEP: FL015

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 Phone: 305-743-8598 / Fax: 305-743-8598      E35834 (Keys Lab)

Atkins  
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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

**Quality Control Batch: 102000535**  
**Laboratory Control Sample**

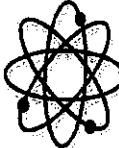
	Analyst: CLS	CLS	Spike	%REC	%REC Lim
Result		Units			
Ethylbenzene	9.17	ug/L	10.0	91.70	70.56-124.95
Methacrylonitrile	9.11	ug/L	10.0	91.10	80.00-120.00
Methyl Iodide	9.72	ug/L	10.0	97.20	55.71-163.66
Methyl Isobutyl ketone	8.97	ug/L	10.0	89.70	50.12-132.13
Methyl Methacrylate	10.1	ug/L	10.0	100.50	80.00-120.00
Methylene chloride	11.0	ug/L	10.0	109.80	40.69-151.61
m-dichlorobenzene	9.68	ug/L	10.0	96.80	58.21-134.14
o-dichlorobenzene	9.66	ug/L	10.0	96.60	59.80-127.24
Para-dichlorobenzene	9.85	ug/L	10.0	98.50	59.80-127.16
Styrene	8.14	ug/L	10.0	81.40	64.43-121.79
Tetrachloroethene	9.86	ug/L	10.0	98.60	49.80-173.40
Toluene	9.70	ug/L	10.0	97.00	75.34-126.10
trans-1,2-dichloroethene	10.2	ug/L	10.0	102.20	69.34-133.94
trans-1,3,-Dichloropropene	9.05	ug/L	10.0	90.50	69.36-124.24
Trichloroethylene	9.39	ug/L	10.0	93.90	70.68-139.87
Trichlorofluoromethane	9.81	ug/L	10.0	98.10	44.99-156.60
Vinyl chloride	10.5	ug/L	10.0	105.30	56.53-148.31
Xylenes	26.7	ug/L	30.0	88.90	70.92-123.99
1,1,1,2-Tetrachloroethane	9.24	ug/L	10.0	92.40	72.36-126.72
1,1,1-Trichloroethane	9.65	ug/L	10.0	96.50	72.34-131.71
1,1,2,2-Tetrachloroethane	9.89	ug/L	10.0	98.90	73.03-130.21
1,1,2-Trichloroethane	10.1	ug/L	10.0	101.10	78.01-120.70
1,1-Dichloroethane	9.81	ug/L	10.0	98.10	68.89-133.90
1,1-Dichloroethene	10.4	ug/L	10.0	104.20	57.83-149.70
1,1-Dichloropropene	9.25	ug/L	10.0	92.50	71.70-133.07
1,2,4-trichlorobenzene	8.83	ug/L	10.0	88.30	17.21-148.33
1,2-dichloroethane	10.1	ug/L	10.0	101.30	71.63-130.49
1,2-dichloropropane	9.34	ug/L	10.0	93.40	72.07-128.11
1,3-Dichloropropane	9.74	ug/L	10.0	97.40	70.02-130.05

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

NJDEP: FL015

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E83018 (Main Lab)  
 E86562 (South Lab)  
 E82405 (North Lab)  
 E35834 (Keys Lab)

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

## Quality Control Batch: 10200535

### Laboratory Control Sample

	Analyst:	CLS	Units	Spike	%REC	%REC Lim
Result			ug/L	10.0	96.10	65.33-147.06
9.61			ug/L	10.0	111.50	59.03-164.47
11.2			ug/L	10.0	78.30	60.06-141.22
7.83			ug/L	30.0	97.47	82.78-122.32
29.2			ug/L	30.0	99.23	80.00-120.00
29.8			ug/L	30.0	96.17	77.68-129.99
28.9			ug/L			

### Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	13.0	ug/L	20.0	65.05	46.01-156.32	5.000U
Acrylonitrile	17.6	ug/L	20.0	88.10	43.40-147.39	0.3000U
Allyl Chloride	20.0	ug/L	20.0	99.80	80.00-120.00	1.000U
Benzene	18.9	ug/L	20.0	94.60	74.48-134.24	0.500U
Bromochloromethane	18.0	ug/L	20.0	89.85	73.98-126.75	0.100U
Bromodichloromethane	18.7	ug/L	20.0	93.50	74.51-131.60	0.100U
Bromoform	17.3	ug/L	20.0	86.45	65.77-126.66	0.500U
Bromomethane	21.2	ug/L	20.0	105.95	45.79-154.07	0.500U
Carbon Tetrachloride	19.3	ug/L	20.0	96.30	69.71-134.11	0.500U
Chlorobenzene	18.4	ug/L	20.0	91.95	78.18-124.63	0.500U
Chloroethane	19.9	ug/L	20.0	99.60	57.96-148.61	0.500U
Chloroform	18.3	ug/L	20.0	91.55	67.52-139.02	0.500U
Chloromethane	20.6	ug/L	20.0	102.85	51.30-156.78	0.500U
cis-1,2-dichloroethene	18.6	ug/L	20.0	93.20	76.64-126.84	0.200U
cis-1,3-Dichloropropene	18.7	ug/L	20.0	93.40	67.26-137.96	0.500U
Dibromochloromethane	18.3	ug/L	20.0	91.30	73.00-123.23	0.400U
Dibromomethane	17.9	ug/L	20.0	89.60	73.11-128.50	0.500U
Dichlorodifluoromethane	19.7	ug/L	20.0	98.45	31.11-164.64	0.500U
Ethyl methacrylate	20.2	ug/L	20.0	100.95	80.00-120.00	0.500U
Ethylbenzene	18.8	ug/L	20.0	93.80	73.91-128.64	0.500U
Methacrylonitrile	18.0	ug/L	20.0	90.10	80.00-120.00	0.500U



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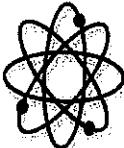
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Atkins  
4030 W. Boy Scout Blvd, Ste 700  
Tampa, FL 33607

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

## Quality Control Batch: 102000535

Matrix Spike	Result	CLS	Units	Spike	%REC	%REC Lim	Sample
Methyl Iodide	28.9	ug/L	20.0	144.65	54.23-165.25	1.00U	
Methyl isobutyl ketone	17.9	ug/L	20.0	89.65	57.64-133.07	1.00U	
Methyl Methacrylate	20.2	ug/L	20.0	100.95	80.00-120.00	2.00U	
Methylene chloride	19.6	ug/L	20.0	97.95	50.29-142.90	1.00U	
m-dichlorobenzene	17.8	ug/L	20.0	89.20	69.74-129.80	0.500U	
o-dichlorobenzene	18.2	ug/L	20.0	90.75	71.04-127.37	0.500U	
Para-dichlorobenzene	17.9	ug/L	20.0	89.60	70.44-126.55	0.500U	
Styrene	17.3	ug/L	20.0	86.50	68.01-124.71	0.500U	
Tetrachloroethene	18.8	ug/L	20.0	93.85	49.77-180.05	0.500U	
Toluene	19.3	ug/L	20.0	96.55	77.67-128.73	0.500U	
trans-1,2-dichloroethene	19.9	ug/L	20.0	99.70	71.14-135.42	0.500U	
trans-1,3,-Dichloropropene	18.2	ug/L	20.0	91.15	68.77-131.64	0.500U	
Trichloroethene	19.1	ug/L	20.0	95.70	77.68-135.38	0.500U	
trans-1,3,-Dichloropropene	18.6	ug/L	20.0	93.00	48.94-159.62	0.500U	
Trichlorofluoromethane	17.7	ug/L	20.0	99.45	56.51-147.62	0.500U	
Vinyl chloride	19.9	ug/L	60.0	92.10	74.03-127.32	1.00U	
Xylenes	55.3	ug/L	20.0	92.35	74.08-128.41	0.500U	
1,1,1,2-Tetrachloroethane	18.5	ug/L	20.0	96.50	74.12-134.44	0.500U	
1,1,1-Trichloroethane	19.3	ug/L	20.0	88.30	70.96-136.31	0.100U	
1,1,2,2-Tetrachloroethane	17.7	ug/L	20.0	89.20	78.08-124.41	0.500U	
1,1,2-Trichloroethane	17.8	ug/L	20.0	96.05	72.78-134.55	0.500U	
1,1-Dichloroethane	19.2	ug/L	20.0	110.50	58.40-151.32	0.500U	
1,1-Dichloroethene	22.1	ug/L	20.0	97.95	73.25-137.34	0.200U	
1,1-Dichloropropene	19.6	ug/L	20.0	80.80	22.90-145.92	0.500U	
1,2,4-trichlorobenzene	16.2	ug/L	20.0	90.80	71.53-134.48	0.500U	
1,2-dichloroethane	18.2	ug/L	20.0	92.95	74.50-129.66	0.200U	
1,2-dichloropropane	18.6	ug/L	20.0	90.60	72.32-131.54	0.300U	
1,3-Dichloropropane	18.1	ug/L	20.0	93.30	61.83-150.70	0.500U	
2,2-Dichloropropane	18.7	ug/L	20.0	53.10	64.53-153.74	0.500U	
2-Butanone (MEK)	10.6	ug/L					



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E83018 (Main Lab)  
E86562 (South Lab)  
EB2405 (North Lab)  
E35834 (Keys Lab)

Atkins  
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Tampa, FL 33607

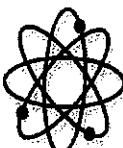
PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

## Quality Control Batch: 10200535

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
2-Hexanone	11.7	ug/L	20.0	58.35	62.58-147.29	0.500U
Surr: Bromofluorobenzene	29.9	ug/L	30.0	99.63	53.82-151.16	
Surr: Toluene-d8	29.9	ug/L	30.0	99.63	88.05-109.81	
Surr: 1,2-Dichloroethane-d4	28.7	ug/L	30.0	95.73	75.07-126.19	

## Matrix Spike Duplicate

Acetone	Result	Units	Spike	%REC	%REC Lim	Sample	RPD
Acrylonitrile	16.2	ug/L	20.0	80.85	46.01-156.32	5.000U	21.66
Allyl Chloride	21.5	ug/L	20.0	107.35	43.40-147.39	0.300U	19.70
Benzene	23.7	ug/L	20.0	118.70	80.00-120.00	1.000U	17.30
Bromochloromethane	22.2	ug/L	20.0	111.20	74.48-134.24	0.500U	16.13
Bromodichloromethane	20.9	ug/L	20.0	104.45	73.98-126.75	0.100U	18.98
Bromine	22.1	ug/L	20.0	110.60	74.51-131.60	0.100U	15.03
Bromoform	21.2	ug/L	20.0	105.85	65.77-126.66	0.500U	16.76
Bromomethane	23.8	ug/L	20.0	118.85	45.79-154.07	0.500U	20.18
Carbon Tetrachloride	23.0	ug/L	20.0	114.80	69.71-134.11	0.500U	11.48
Chlorobenzene	21.5	ug/L	20.0	107.50	78.18-124.63	0.500U	17.53
Chloroethane	22.4	ug/L	20.0	112.10	57.96-148.61	0.500U	16.76
Chloroform	21.3	ug/L	20.0	106.65	67.52-139.02	0.500U	11.89
Chloromethane	22.4	ug/L	20.0	112.05	51.30-156.78	0.500U	12.97
cis-1,2-dichloroethene	22.1	ug/L	20.0	110.50	76.64-126.84	0.200U	17.36
cis-1,3-Dichloropropene	22.7	ug/L	20.0	113.35	67.26-137.96	0.500U	14.33
Dibromochloromethane	21.6	ug/L	20.0	107.95	73.00-123.23	0.400U	19.01
Dibromomethane	21.4	ug/L	20.0	106.90	73.11-128.50	0.500U	17.79
Dichlorodifluoromethane	23.0	ug/L	20.0	114.95	31.11-164.64	0.500U	17.16
Ethyl methacrylate	28.4	ug/L	20.0	141.85	80.00-120.00	0.500U	25.30
Ethylbenzene	22.2	ug/L	20.0	110.75	73.91-128.64	0.500U	15.00
Methacrylonitrile	22.7	ug/L	20.0	113.40	80.00-120.00	0.500U	16.57
Methyl Iodide	29.3	ug/L	20.0	146.55	54.23-165.25	1.000U	17.78
Methyl isobutyl ketone	24.1	ug/L	20.0	120.50	57.64-133.07	1.000U	22.90
							29.36



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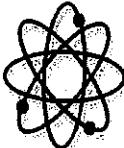
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 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

## Quality Control Batch: 102000535

### Matrix Spike Duplicate

Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Methyl Methacrylate	28.4	ug/L	20.0	141.85	80.00-120.00	2.000U	33.69	15.00
Methylene chloride	21.6	ug/L	20.0	107.75	50.29-142.90	1.000U	9.53	22.29
m-dichlorobenzene	21.1	ug/L	20.0	105.50	69.74-129.80	0.500U	16.74	21.29
o-dichlorobenzene	21.3	ug/L	20.0	106.35	71.04-127.37	0.500U	15.83	17.00
Para-dichlorobenzene	20.9	ug/L	20.0	104.25	70.44-126.55	0.500U	15.11	14.84
Styrene	20.3	ug/L	20.0	101.25	68.01-124.71	0.500U	15.71	17.03
Tetrachloroethene	21.7	ug/L	20.0	108.25	49.77-180.05	0.500U	14.25	27.05
Toluene	22.5	ug/L	20.0	112.40	77.67-128.73	0.500U	15.17	18.11
trans-1,2-dichloroethene	22.9	ug/L	20.0	114.60	71.14-135.42	0.500U	13.91	19.23
trans-1,3,-Dichloropropene	21.8	ug/L	20.0	108.85	68.77-131.64	0.500U	17.70	17.05
Trichloroethene	22.5	ug/L	20.0	112.65	77.68-135.38	0.500U	16.27	16.98
Trichlorofluoromethane	21.8	ug/L	20.0	109.20	48.94-159.62	0.500U	16.02	24.90
Vinyl chloride	22.9	ug/L	20.0	114.70	56.51-147.62	0.500U	14.24	21.53
Xylenes	65.5	ug/L	60.0	109.08	74.03-127.32	1.000U	16.88	18.64
1,1,1,2-Tetrachloroethane	21.6	ug/L	20.0	108.10	74.08-128.41	0.500U	15.71	18.35
1,1,1-Trichloroethane	22.6	ug/L	20.0	113.20	74.12-134.44	0.500U	15.93	19.03
1,1,2,2-Tetrachloroethane	22.2	ug/L	20.0	110.80	70.96-136.31	0.100U	22.60	18.50
1,1,2-Trichloroethane	22.0	ug/L	20.0	109.75	78.08-124.41	0.500U	20.66	15.94
1,1-Dichloroethane	22.6	ug/L	20.0	112.85	72.78-134.55	0.500U	16.08	16.44
1,1-Dichloroethene	26.1	ug/L	20.0	130.55	58.40-151.32	0.500U	16.64	23.15
1,1,2,2-Tetrachloroethane	23.1	ug/L	20.0	115.40	73.25-137.34	0.200U	16.36	22.56
1,2,4-trichloroethane	21.6	ug/L	20.0	108.20	22.90-145.92	0.500U	28.99	20.25
1,2-dichloroethane	21.7	ug/L	20.0	108.35	71.53-134.48	0.500U	17.62	15.32
1,2-dichloropropane	21.9	ug/L	20.0	109.70	74.50-129.66	0.200U	16.53	16.56
1,3-Dichloropropane	21.6	ug/L	20.0	107.85	72.32-131.54	0.300U	17.38	23.05
2,2-Dichloropropane	21.4	ug/L	20.0	107.05	61.83-150.70	0.500U	13.73	23.34
2-Butanone (MEK)	15.9	ug/L	20.0	79.60	64.53-153.74	0.500U	39.94	32.53
2-Hexanone	17.8	ug/L	20.0	89.10	62.58-147.29	0.500U	41.71	25.26
Surf:Bromofluorobenzene	30.2	ug/L	30.0	100.50	53.82-151.16	0.87		13.51



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 Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Key's Lab)

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PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

**Quality Control Batch: 10200535**

**Matrix Spike Duplicate**

Surr:Toluene-d8

Surr:1,2-Dichloroethane-d4

		Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Matrix Spike Duplicate			29.9	ug/L	30.0	99.77	88.05-109.81		0.13	7.44
			29.4	ug/L	30.0	97.87	75.07-126.19		2.20	8.75

**Quality Control Batch: 10200541**

**Blank**

Surr:2-Fluorophenol

		Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Laboratory Control Sample			18.9	ug/L	50.0	37.70	7.39-118.36			

**Laboratory Control Sample**

Surr:2-Fluorophenol

		Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Matrix Spike			13.8	ug/L	50.0	27.54	80.00-120.00			

**Matrix Spike Duplicate**

Surr:2-Fluorophenol

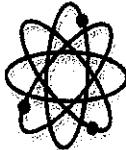
		Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Matrix Spike Duplicate			12.0	ug/L	50.0	24.08	80.00-120.00		13.41	18.78

**Quality Control Batch: 10200544**

**Blank**

Acenaphthene  
 Acenaphthylene  
 Acetophenone  
 Anthracene  
 Benzo(a)anthracene  
 Benzo(a)pyrene  
 Benzo(b)fluoranthene  
 Benzo(g,h,i)perylene  
 Benzo(k)fluoranthene  
 Benzyl alcohol  
 Bis(2-chloroethoxy)methane

		Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Blank			2.00U	ug/L	2.00U	ug/L	ug/L			
			2.00U	ug/L	10.0U	ug/L	ug/L			
			2.00U	ug/L	2.00U	ug/L	ug/L			
			0.200U	ug/L	0.200U	ug/L	ug/L			
			1.00U	ug/L	1.00U	ug/L	ug/L			
			0.100U	ug/L	0.100U	ug/L	ug/L			
			2.00U	ug/L	2.00U	ug/L	ug/L			
			1.00U	ug/L	1.00U	ug/L	ug/L			
			5.00U	ug/L	5.00U	ug/L	ug/L			
			2.00U	ug/L	2.00U	ug/L	ug/L			



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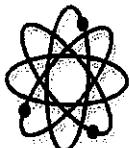
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## Quality Control Batch: 10200544

Blank	Analyst: CLS	Result	Units
Bis(2-chloroethyl)ether	2.00U	ug/L	
Bis(2-ethylhexyl)phthalate	3.00U	ug/L	
Butyl benzyl phthalate	3.00U	ug/L	
Chlorobenzilate	0.800U	ug/L	
Chrysene	2.00U	ug/L	
Diallate	2.00U	ug/L	
Dibenzofuran	5.00U	ug/L	
Dibenz(a,h)anthracene	0.200U	ug/L	
Diethylphthalate	3.00U	ug/L	
Dimethoate	2.00U	ug/L	
Dimethylphthalate	3.00U	ug/L	
Diphenylamine	10.0U	ug/L	
Di-n-butylphthalate	3.00U	ug/L	
Di-n-octylphthalate	3.00U	ug/L	
Ethyl methanesulfonate	20.0U	ug/L	
Famphur	2.00U	ug/L	
Fluoranthene	2.00U	ug/L	
Fluorene	2.00U	ug/L	
Hexachlorobenzene	1.00U	ug/L	
Hexachlorobutadiene	2.00U	ug/L	
Hexachlorocyclopentadiene	2.00U	ug/L	
Hexachloroethane	2.00U	ug/L	
Hexachloropropene	10.0U	ug/L	
Indeno(1,2,3-cd)pyrene	0.200U	ug/L	
Iodrin	20.0U	ug/L	
Isophorone	2.00U	ug/L	
Isoxastrole	10.0U	ug/L	
Kepone	2.00U	ug/L	
Methaphylenne	20.0U	ug/L	

FLDOH: E83018 (Main Lab)      FLDOH: E86562 (South Lab)      FLDOH: E82405 (North Lab)      NJDEP: FL015



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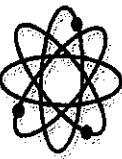
PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
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## Quality Control Batch: 10200544

Blank	Analyst: CLS	Result	Units
Methyl methanesulfonate		10.0U	ug/L
m-Cresol		10.0U	ug/L
m-Dinitrobenzene		2.00U	ug/L
m-nitroaniline		2.00U	ug/L
Naphthalene		2.00U	ug/L
Nitrobenzene		2.00U	ug/L
N-Nitroso di-n-butylamine		2.00U	ug/L
N-Nitrosodiethylamine		3.00U	ug/L
N-Nitrosodimethylamine		3.00U	ug/L
N-Nitrosodiphenylamine		2.00U	ug/L
N-Nitrosodim-n-propylamine		2.00U	ug/L
N-Nitrosomethyl ethylamine		2.00U	ug/L
N-Nitrosopiperidine		10.0U	ug/L
N-Nitrosopyrrolidine		2.00U	ug/L
O,O,O-Triethyl phosphorothioate		10.0U	ug/L
O,O-diethyl-O,2-pyrazinylphosphorothioate		10.0U	ug/L
o-Cresol		2.00U	ug/L
o-nitroaniline		10.0U	ug/L
o-Tolidine		2.00U	ug/L
Pentachlorobenzene		0.300U	ug/L
Pentachlorotrobenzene		0.300U	ug/L
Pentachlorophenol		0.400U	ug/L
Phenacetin		20.0U	ug/L
Phenanthrene		2.00U	ug/L
Phenol		2.00U	ug/L
Pronamide		10.0U	ug/L
Pyrene		2.00U	ug/L
p-Chloraniline		10.0U	ug/L
p-Chloro-m-Cresol		2.00U	ug/L

FLDOH: E83018 (Main Lab)      FLDOH: E86562 (South Lab)      FLDOH: E92405 (North Lab)

NJDEP: FL015



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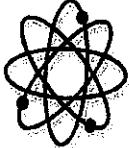
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Date Sampled: Jun 27, 2012  
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## Quality Control Batch: 10200544

Blank	Analyst: CLS	Result	Units
p-Cresol	2.00U	ug/L	
p-nitroaniline	2.00U	ug/L	
p-Phenylenediamine	10.0U	ug/L	
p-(Dimethylamine)azobenzene	10.0U	ug/L	
Saffrole	10.0U	ug/L	
Trinitrobenzene	10.0U	ug/L	
1,2,4,5-Tetrachlorobenzene	2.00U	ug/L	
1,4-Naphthoquinone	10.0U	ug/L	
1-Naphthalamine	10.0U	ug/L	
2,3,4,6-Tetrachlorophenol	2.00U	ug/L	
2,4,5-Trichlorophenol	1.00U	ug/L	
2,4,6-Trichlorophenol	2.00U	ug/L	
2,4-Dichlorophenol	1.00U	ug/L	
2,4-Dimethylphenol	2.00U	ug/L	
2,4-Dinitrophenol	5.00U	ug/L	
2,4-Dinitrotoluene	0.200U	ug/L	
2,6-Dichlorophenol	1.00U	ug/L	
2,6-Dinitrotoluene	2.00U	ug/L	
2-Acetylaminofluorene	10.0U	ug/L	
2-Chloronaphthalene	2.00U	ug/L	
2-chlorophenol	2.00U	ug/L	
2-methyl-Naphthalene	2.00U	ug/L	
2-methyl-4,6-dinitrophenol	2.00U	ug/L	
2-Naphthylamine	2.00U	ug/L	
2-Nitrophenol	2.00U	ug/L	
3,3'-Dichlorobenzidine	2.00U	ug/L	
3-Methylcholanthrene	10.0U	ug/L	
4-Aminobiphenyl	10.0U	ug/L	



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 EB2405 (North Lab)  
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Atkins  
 4030 W. Boy Scout Blvd, Ste 700  
 Tampa, FL 33607

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

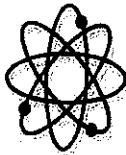
## Quality Control Batch: 10200544

Blank	Analyst: GLS	Result	Units
4-Bromophenylphenyl ether	2.000U	ug/L	
4-Chlorophenylphenyl ether	2.000U	ug/L	
4-Nitrophenol	2.000U	ug/L	
5-Nitro-o-tolidine	2.000U	ug/L	
7,12-Dimethylbenz(a)anthracene	10.00U	ug/L	
Surr:Nitrobenzene-d5	31.2	ug/L	
Surr:Phenol-d5	3.02	ug/L	
Surr:Terphenyl-d14	43.1	ug/L	
Surr:2,4,6-Tribromophenol	8.62	ug/L	
Surr:2-Fluorobiphenyl	25.1	ug/L	

## Laboratory Control Sample

	Result	Units	Spike	Units	%REC	%REC Lim
Acenaphthene	33.7	ug/L	50.0	ug/L	67.36	19.43-110.82
Acenaphthylene	32.1	ug/L	50.0	ug/L	64.28	11.73-114.82
Anthracene	36.0	ug/L	50.0	ug/L	71.92	35.89-115.69
Benzo(a)anthracene	44.5	ug/L	50.0	ug/L	88.90	41.93-129.99
Benzo(a)pyrene	32.3	ug/L	50.0	ug/L	64.58	39.40-119.98
Benzo(b)fluoranthene	20.5	ug/L	50.0	ug/L	41.00	31.36-135.33
Benzo(g,h,i)perylene	36.9	ug/L	50.0	ug/L	73.76	46.39-130.38
Benzo(k)fluoranthene	31.9	ug/L	50.0	ug/L	63.74	33.95-145.70
Bis(2-chloroethoxy)methane	32.2	ug/L	50.0	ug/L	64.42	20.91-104.32
Bis(2-chloroethyl)ether	29.3	ug/L	50.0	ug/L	58.62	18.37-99.13
Bis(2-ethylhexyl)phthalate	50.8	ug/L	50.0	ug/L	101.60	49.06-144.86
Butyl benzyl phthalate	42.8	ug/L	50.0	ug/L	85.52	7.48-144.10
Chrysene	59.9	ug/L	50.0	ug/L	119.84	46.72-134.45
Dibenz(a,h)anthracene	44.7	ug/L	50.0	ug/L	89.36	37.64-133.88
Diethylphthalate	37.3	ug/L	50.0	ug/L	74.60	18.85-127.83
Dimethylphthalate	35.9	ug/L	50.0	ug/L	71.74	14.66-119.16
Di-n-butylphthalate	36.5	ug/L	50.0	ug/L	73.00	11.05-132.80

FLOH: E83018 (Main Lab)      FLOH: E86562 (South Lab)      FDOH: E82405 (North Lab)      NJDEP: FL015



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E83018 (Main Lab)  
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PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
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## Quality Control Batch: 10200544

### Laboratory Control Sample

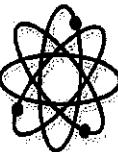
Analyst:	CLS	Result	Units	Spike	%REC	%REC Lim
		31.8	ug/L	50.0	63.52	47.68-133.80
		35.6	ug/L	50.0	71.20	24.34-134.54
		38.3	ug/L	50.0	76.66	19.06-111.25
		39.5	ug/L	50.0	79.02	28.31-127.72
		21.8	ug/L	50.0	43.60	17.28-108.31
		11.0	ug/L	50.0	21.90	9.79-126.19
		21.9	ug/L	50.0	43.84	20.94-88.14
		42.0	ug/L	50.0	83.98	37.85-143.45
		26.3	ug/L	50.0	52.56	15.48-109.35
		27.5	ug/L	50.0	54.98	22.76-100.00
		28.8	ug/L	50.0	57.50	12.84-110.84
		32.3	ug/L	50.0	64.68	20.14-136.25
		30.3	ug/L	50.0	60.64	7.78-121.66
		19.6	ug/L	50.0	39.20	31.85-96.90
		29.2	ug/L	50.0	58.30	22.28-137.29
		38.7	ug/L	50.0	77.38	33.30-113.56
		16.7	ug/L	50.0	33.32	22.51-89.77
		44.8	ug/L	50.0	89.68	42.73-127.70
		20.0	ug/L	50.0	40.06	23.38-107.86
		19.8	ug/L	50.0	39.62	70.00-120.00
		19.0	ug/L	50.0	37.96	42.66-114.96
		18.0	ug/L	50.0	36.06	21.76-108.71
		19.1	ug/L	50.0	38.26	20.31-101.72
		18.5	ug/L	50.0	37.04	7.63-107.79
		19.0	ug/L	50.0	37.98	9.34-139.66
		34.4	ug/L	50.0	68.72	32.19-126.79
		37.8	ug/L	50.0	75.58	27.21-115.54
		20.8	ug/L	50.0	41.58	18.48-106.95
		16.0	ug/L	50.0	31.92	26.80-96.34

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NJDEP: FL015



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## Quality Control Batch: 10200544

### Laboratory Control Sample

	Analyst: CLS	CLS	Result	Units	Spike	%REC	%REC Lim
2-methyl-Naphthalene	29.3	ug/L	50.0	ug/L	58.50	19.08-101.21	
2-methyl-4,6-dinitrophenol	23.7	ug/L	50.0	ug/L	47.48	28.26-128.29	
2-Nitrophenol	16.8	ug/L	50.0	ug/L	33.58	17.49-107.10	
4-Bromophenyl/phenyl ether	35.9	ug/L	50.0	ug/L	71.78	20.05-126.55	
4-Chlorophenyl/phenyl ether	41.3	ug/L	50.0	ug/L	82.52	12.26-120.37	
4-NitrophenoI	22.4	ug/L	50.0	ug/L	44.78	18.72-121.25	
Surr: Nitrobenzene-d5	33.7	ug/L	50.0	ug/L	67.46	5.91-135.33	
Surr: Phenol-d5	11.6	ug/L	50.0	ug/L	23.28	3.28-127.80	
Surr: Terphenyl-d14	51.8	ug/L	50.0	ug/L	103.58	37.97-143.50	
Surr: 2,4,6-TribromophenoI	27.8	ug/L	50.0	ug/L	55.56	20.44-122.58	
Surr: 2-Fluorobiphenyl	31.6	ug/L	50.0	ug/L	63.18	18.75-110.25	

### Matrix Spike

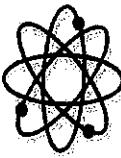
	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	30.6	ug/L	50.0	61.28	24.01-102.00	2.00U
Acenaphthylene	26.4	ug/L	50.0	52.78	15.89-118.25	2.00U
Anthracene	34.0	ug/L	50.0	68.04	36.35-119.37	2.00U
Benz(a)anthracene	33.7	ug/L	50.0	67.36	22.93-131.37	0.200U
Benz(a)pyrene	32.5	ug/L	50.0	64.94	28.55-113.30	1.00U
Benz(b)fluoranthene	27.2	ug/L	50.0	54.40	3.39-132.21	0.100U
Benz(g,h,i)perylene	33.2	ug/L	50.0	66.32	29.74-126.64	2.00U
Benz(k)fluoranthene	39.3	ug/L	50.0	78.58	0.00-172.28	1.00U
Bis(2-chloroethoxy)methane	28.3	ug/L	50.0	56.66	18.79-84.90	2.00U
Bis(2-chloroethyl)ether	22.9	ug/L	50.0	45.72	31.14-66.69	2.00U
Bis(2-ethylhexyl)phthalate	52.1	ug/L	50.0	67.16	45.78-149.57	18.5
Butyl benzyl phthalate	46.9	ug/L	50.0	93.80	8.98-167.94	3.00U
Chrysene	39.1	ug/L	50.0	78.24	21.81-143.20	2.00U
Dibenz(a,h)anthracene	30.3	ug/L	50.0	60.56	14.09-128.46	0.200U
Diethylphthalate	38.8	ug/L	50.0	77.52	1.00-100.00	3.00U
Dimethylphthalate	35.8	ug/L	50.0	71.54	1.00-124.78	3.00U

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NDEP: FL015



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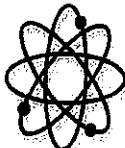
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## Quality Control Batch: 10200544

Matrix Spike	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample
Di-n-butylphthalate	42.1	ug/L	50.0	84.28	27.77-132.10	3.00U	
Di-n-octylphthalate	38.5	ug/L	50.0	76.92	44.56-151.00	3.00U	
Fluoranthene	35.8	ug/L	50.0	71.54	20.92-125.32	2.00U	
Fluorene	34.4	ug/L	50.0	68.82	15.17-114.79	2.00U	
Hexachlorobenzene	34.3	ug/L	50.0	68.64	39.18-107.37	1.00U	
Hexachlorobutadiene	14.7	ug/L	50.0	29.48	19.64-107.65	2.00U	
Hexachlorocyclopentadiene	6.49	ug/L	50.0	12.98	21.11-153.35	2.00U	
Hexachloroethane	15.9	ug/L	50.0	31.74	0.00-145.15	2.00U	
Indeno(1,2,3-cd)pyrene	30.9	ug/L	50.0	61.84	13.91-145.82	0.200U	
Isophorone	22.9	ug/L	50.0	45.70	23.01-78.93	2.00U	
Naphthalene	23.4	ug/L	50.0	46.84	9.17-110.12	2.00U	
N-Nitrosodimethylamine	11.8	ug/L	50.0	23.58	0.00-129.97	3.00U	
N-Nitrosodiphenylamine	6.98	ug/L	50.0	13.96	18.25-143.12	2.00U	
N-Nitrosodi-n-propylamine	20.9	ug/L	50.0	41.72	19.99-90.09	2.00U	
o-Cresol	17.9	ug/L	50.0	35.84	0.00-128.19	2.00U	
Pentachlorophenol	28.8	ug/L	50.0	57.68	33.93-127.96	0.400U	
Phenanthrene	33.6	ug/L	50.0	67.22	19.47-133.87	2.00U	
Phenol	14.7	ug/L	50.0	29.46	24.35-78.84	2.00U	
Pyrene	43.6	ug/L	50.0	87.14	21.53-149.12	2.00U	
p-Chloro-m-Cresol	21.4	ug/L	50.0	42.84	21.61-109.88	2.00U	
p-Cresol	16.8	ug/L	50.0	33.64	80.00-120.00	2.00U	
2,4,5-Trichlorophenol	18.0	ug/L	50.0	36.06	80.00-120.00	1.00U	
2,4,6-Trichlorophenol	16.6	ug/L	50.0	33.12	24.26-90.82	2.00U	
2,4-Dichlorophenol	14.5	ug/L	50.0	28.96	3.49-115.80	1.00U	
2,4-Dimethylphenol	19.8	ug/L	50.0	39.54	80.00-120.00	2.00U	
2,4-Dinitrophenol	16.6	ug/L	50.0	33.26	9.63-157.09	5.00U	
2,4-Dinitrotoluene	34.5	ug/L	50.0	69.04	21.53-131.97	0.200U	
2,6-Dinitrotoluene	36.6	ug/L	50.0	73.14	2.57-141.27	2.00U	
2-Chloronaphthalene	19.2	ug/L	50.0	38.48	32.50-75.12	2.00U	



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E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E55834 (Key's Lab)

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## Quality Control Batch: 10200544

### Matrix Spike

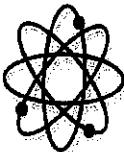
Result	Units	Spike	%REC	%REC Lim	Sample
13.9	ug/L	50.0	27.72	80.00-120.00	2.00U
22.1	ug/L	50.0	44.12	23.63-87.85	2.00U
25.7	ug/L	50.0	51.40	9.66-145.51	2.00U
13.3	ug/L	50.0	26.64	30.89-79.77	2.00U
33.7	ug/L	50.0	67.42	28.41-111.16	2.00U
34.3	ug/L	50.0	68.62	9.01-119.69	2.00U
23.5	ug/L	50.0	46.98	29.44-124.00	2.00U
23.0	ug/L	50.0	46.00	11.76-107.00	
8.75	ug/L	50.0	17.50	80.00-120.00	
40.3	ug/L	50.0	80.52	6.08-149.12	
26.8	ug/L	50.0	53.54	6.92-122.06	
24.7	ug/L	50.0	49.44	16.08-95.65	

### Analyst: CLS

Result	Units	Spike	%REC	%REC Lim	Sample
13.9	ug/L	50.0	27.72	80.00-120.00	2.00U
22.1	ug/L	50.0	44.12	23.63-87.85	2.00U
25.7	ug/L	50.0	51.40	9.66-145.51	2.00U
13.3	ug/L	50.0	26.64	30.89-79.77	2.00U
33.7	ug/L	50.0	67.42	28.41-111.16	2.00U
34.3	ug/L	50.0	68.62	9.01-119.69	2.00U
23.5	ug/L	50.0	46.98	29.44-124.00	2.00U
23.0	ug/L	50.0	46.00	11.76-107.00	
8.75	ug/L	50.0	17.50	80.00-120.00	
40.3	ug/L	50.0	80.52	6.08-149.12	
26.8	ug/L	50.0	53.54	6.92-122.06	
24.7	ug/L	50.0	49.44	16.08-95.65	

### Matrix Spike Duplicate

Acenaphthene	ug/L	50.0	49.94	24.01-102.00	2.00U	20.39
Acenaphthylene	ug/L	50.0	43.62	15.89-118.25	2.00U	21.67
Anthracene	ug/L	50.0	60.04	36.35-119.37	2.00U	19.00
Benzo(a)anthracene	ug/L	50.0	66.72	22.93-131.37	0.200U	12.49
Benzo(a)pyrene	ug/L	50.0	58.84	28.55-113.30	1.00U	0.95
Benzo(b)fluoranthene	ug/L	50.0	73.40	3.39-132.21	0.100U	9.86
Benzo(g,h,i)perylene	ug/L	50.0	67.28	29.74-126.64	2.00U	14.63
Benzo(k)fluoranthene	ug/L	50.0	55.36	0.00-172.28	1.00U	1.44
Bis(2-chloroethoxy)methane	ug/L	50.0	51.74	18.79-84.90	2.00U	34.67
Bis(2-chloroethyl)ether	ug/L	50.0	39.64	31.14-66.69	2.00U	29.73
Bis(2-ethylhexyl)phthalate	ug/L	50.0	35.50	45.78-149.57	18.5	17.03
Butyl benzyl phthalate	ug/L	50.0	60.54	8.98-167.94	3.00U	35.85
Chrysene	ug/L	50.0	62.56	21.81-143.20	2.00U	43.10
Dibenz(a,h)anthracene	ug/L	50.0	76.14	14.09-128.46	0.200U	22.27
Diethylphthalate	ug/L	50.0	63.10	1.00-100.00	3.00U	22.79
						13.79
						13.26
						19.12



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## Quality Control Batch: 10200544

### Analyst: CLS

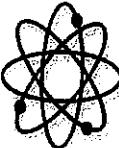
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Dimethylphthalate	29.6	ug/L	50.0	59.28	1.00-124.78	3.00U	18.74	13.85
Di-n-butylphthalate	35.5	ug/L	50.0	70.98	27.77-132.10	3.00U	17.13	10.19
Di-n-octylphthalate	29.8	ug/L	50.0	59.54	44.56-151.00	3.00U	25.47	11.27
Fluoranthene	36.7	ug/L	50.0	73.32	20.92-125.32	2.00U	2.46	13.82
Fluorene	30.7	ug/L	50.0	61.34	15.17-114.79	2.00U	11.49	15.89
Hexachlorobenzene	33.1	ug/L	50.0	66.28	39.18-107.37	1.00U	3.50	7.77
Hexachlorobutadiene	15.2	ug/L	50.0	30.30	19.64-107.65	2.00U	2.74	13.24
Hexachlorocyclopentadiene	8.08	ug/L	50.0	16.16	21.11-153.35	2.00U	21.83	13.50
Hexachloroethane	14.4	ug/L	50.0	28.80	0.00-145.15	2.00U	9.71	11.44
Indeno(1,2,3-cd)pyrene	35.6	ug/L	50.0	71.14	13.91-145.82	0.200U	13.99	16.14
Isophorone	20.7	ug/L	50.0	41.46	23.01-78.93	2.00U	9.73	17.92
Naphthalene	22.0	ug/L	50.0	44.06	9.17-110.12	2.00U	6.12	18.47
N-Nitrosodimethylamine	17.5	ug/L	50.0	34.94	0.00-129.97	3.00U	38.82	19.85
N-Nitrosodiphenylamine	6.71	ug/L	50.0	13.42	18.25-143.12	2.00U	3.94	8.53
N-Nitrosodi-n-propylamine	23.5	ug/L	50.0	46.96	19.99-90.09	2.00U	11.82	18.67
o-Cresol	13.1	ug/L	50.0	26.28	0.00-128.19	2.00U	30.78	14.73
Pentachlorophenol	41.7	ug/L	50.0	83.40	33.93-127.96	0.400U	36.46	7.50
Phenanthrene	34.1	ug/L	50.0	68.28	19.47-133.87	2.00U	1.56	13.53
Phenol	10.9	ug/L	50.0	21.76	24.35-78.84	2.00U	30.07	18.10
Pyrene	27.6	ug/L	50.0	55.28	21.53-149.12	2.00U	44.74	12.69
p-Chloro-m-Cresol	15.0	ug/L	50.0	29.94	21.61-109.88	2.00U	35.45	19.71
p-Cresol	13.5	ug/L	50.0	26.96	80.00-120.00	2.00U	22.05	20.00
2,4,5-Trichlorophenol	14.0	ug/L	50.0	28.04	80.00-120.00	1.00U	25.02	9.77
2,4,6-Trichlorophenol	13.3	ug/L	50.0	26.58	24.26-90.82	2.00U	21.91	11.70
2,4-Dichlorophenol	12.2	ug/L	50.0	24.48	3.49-115.80	1.00U	16.77	14.90
2,4-Dimethylphenol	17.3	ug/L	50.0	34.58	80.00-120.00	2.00U	13.38	17.81
2,4-Dinitrophenol	27.3	ug/L	50.0	54.66	9.63-157.09	5.00U	48.68	14.19
2,4-Dinitrotoluene	30.7	ug/L	50.0	61.40	21.53-131.97	0.200U	11.71	8.90
2,6-Dinitrotoluene	31.0	ug/L	50.0	61.94	2.57-141.27	2.00U	16.58	7.60

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

NJDEP: FL015



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 Phone: 850-973-6878 / Fax: 850-973-5878      E82405 (North Lab)  
 Phone: 305-743-8598 / Fax: 305-743-8596      E35834 (Key's Lab)

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

PO #: 40612  
 Client Project #: HARDEE COUNTY REGIONAL LAN  
 Date Sampled: Jun 27, 2012  
 Jul 16, 2012; Invoice: 179164

### **Quality Control Batch: 10200544**

#### **Matrix Spike Duplicate**

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
17.6	ug/L	50.0	35.14	32.50-75.12	2.00U	9.07	19.02
9.86	ug/L	50.0	19.72	80.00-120.00	2.00U	33.73	13.95
21.8	ug/L	50.0	43.66	23.63-87.85	2.00U	1.05	22.66
23.7	ug/L	50.0	47.44	9.66-145.51	2.00U	8.01	7.43
11.4	ug/L	50.0	22.76	30.89-79.77	2.00U	15.71	13.79
30.7	ug/L	50.0	61.42	28.41-111.16	2.00U	9.31	8.59
30.6	ug/L	50.0	61.28	9.01-119.69	2.00U	11.30	14.26
45.6	ug/L	50.0	91.26	29.44-124.00	2.00U	64.06	8.63
22.6	ug/L	50.0	45.10	11.76-107.00	1.98	23.39	
5.93	ug/L	50.0	11.86	80.00-120.00	38.42	15.83	
31.5	ug/L	50.0	63.06	6.08-149.12	24.32	20.47	
23.2	ug/L	50.0	46.44	6.92-122.06	14.20	20.79	
23.3	ug/L	50.0	46.50	16.08-95.65	6.13	22.83	

### **Quality Control Batch: 10200688**

#### **Blank**

Ammonia (as N)

Analyst: PCW  
 Result: 0.0100U  
 Units: mg/L

#### **Laboratory Control Sample**

Ammonia (as N)

Analyst: PCW  
 Result: 0.475  
 Units: mg/L

%REC: 95.00  
 %REC Lim: 81.97-117.96

#### **Matrix Spike**

Ammonia (as N)

Analyst: PCW  
 Result: 1.09  
 Units: mg/L

%REC: 110.90  
 %REC Lim: 55.89-136.14  
 Sample: 0.225

#### **Matrix Spike Duplicate**

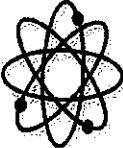
Ammonia (as N)

Analyst: PCW  
 Result: 1.10  
 Units: mg/L

%REC: 112.18  
 %REC Lim: 55.89-136.14  
 Sample: 0.225

Analyst: CLS  
 Result: 17.6  
 Units: ug/L

%REC: 35.14  
 %REC Lim: 32.50-75.12



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E8301B (Main Lab)  
E86562 (South Lab)  
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E35834 (Keys Lab)

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Tampa, FL 33607

PO #: 40612  
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### Quality Control Batch: 10200787

#### Blank

#### Dinoseb

#### 2,4,5-T

#### 2,4,5-TP (Silvex)

#### 2,4-D

### Laboratory Control Sample

#### Dinoseb

#### 2,4,5-T

#### 2,4,5-TP (Silvex)

#### 2,4-D

### Matrix Spike

#### Dinoseb

#### 2,4,5-T

#### 2,4,5-TP (Silvex)

#### 2,4-D

### Quality Control Batch: 10200787

#### Analyst: DLJ

#### Result Units

#### Spike Units

#### %REC

#### %REC Lim

#### Sample

#### Result Units

#### Spike Units

#### %REC

#### %REC Lim

#### Sample

#### Result Units

#### Spike Units

#### %REC

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#### %REC

#### %REC Lim

#### Sample

#### Result Units

#### Spike Units

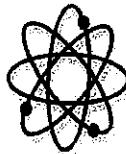
#### %REC

#### %REC Lim

#### Sample

#### Result Units

#### Spike Units



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Tampa, FL 33607

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

## Quality Control Batch: 10200887

### Blank

	Result	Units	Analyst: DLJ
Arochlor 1242	0.100U	ug/L	
Arochlor 1248	0.100U	ug/L	
Arochlor 1254	0.100U	ug/L	
Arochlor 1260	0.100U	ug/L	

### Laboratory Control Sample

#### Arochlor 1260

	Result	Units	Spike	%REC	%REC Lim
	8.33	ug/L	10.0	83.27	80.00-120.00

### Matrix Spike

#### Arochlor 1260

	Result	Units	Spike	%REC	%REC Lim	Sample
	9.20	ug/L	10.0	91.97	80.00-120.00	0.100U

### Matrix Spike Duplicate

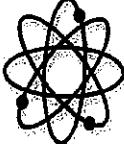
#### Arochlor 1260

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
	8.24	ug/L	10.0	82.42	80.00-120.00	0.100U	10.95	15.00

## Quality Control Batch: 10200895

### Blank

	Result	Units	Analyst: DLJ
Aldrin	0.0200U	ug/L	
a-BHC	0.0200U	ug/L	
b-BHC	0.0100U	ug/L	
Chlordane	0.0100U	ug/L	
Dieldrin	0.0200U	ug/L	
d-BHC	0.0100U	ug/L	
Endosulfan_I	0.0100U	ug/L	
Endosulfan_II	0.0200U	ug/L	
Endosulfan_sulfate	0.0100U	ug/L	
Endrin	0.0200U	ug/L	
Endrin_Aldehyde	0.0100U	ug/L	
Heptachlor	0.0100U	ug/L	
Heptachlor epoxide	0.0100U	ug/L	



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Phone: 305-743-8598 / Fax: 305-743-8598  
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

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

PO #: 40612  
Client Project #: HARDEE COUNTY REGIONAL LAN

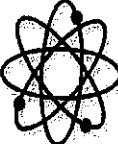
Date Sampled: Jun 27, 2012  
Jul 16, 2012; invoice: 179164

**Quality Control Batch: 102000895**

Blank	Result	Units	Analyst: DLJ
Lindane (g-BHC)	0.0100U	ug/L	
Methoxychlor	0.0100U	ug/L	
Toxaphene	0.500U	ug/L	
4,4'-DDD	0.0200U	ug/L	
4,4'-DDE	0.0200U	ug/L	
4,4'-DDT	0.0200U	ug/L	
Surr:Decachlorobiphenyl	0.501	ug/L	

**Laboratory Control Sample**

	Result	Units	Spike	%REC	%REC Lim
Aldrin	0.127	ug/L	0.125	101.73	12.83-113.48
a-BHC	0.126	ug/L	0.125	100.92	12.52-115.93
b-BHC	0.133	ug/L	0.125	106.66	32.71-121.18
Chlordane	0.243	ug/L	0.250	97.14	71.76-138.79
Dieldrin	0.121	ug/L	0.125	96.56	34.19-127.26
d-BHC	0.118	ug/L	0.125	94.62	28.63-108.97
Endosulfan_I	0.124	ug/L	0.125	99.29	18.33-120.63
Endosulfan_II	0.117	ug/L	0.125	93.42	37.06-132.85
Endosulfan_sulfate	0.119	ug/L	0.125	95.29	23.13-147.35
Endrin	0.112	ug/L	0.125	89.74	61.31-151.63
Endrin_Aldehyde	0.117	ug/L	0.125	93.80	35.08-136.28
Heptachlor	0.129	ug/L	0.125	103.51	71.93-136.13
Heptachlor epoxide	0.119	ug/L	0.125	95.38	72.05-132.82
Lindane (g-BHC)	0.122	ug/L	0.125	97.96	67.43-132.32
Methoxychlor	0.104	ug/L	0.125	83.36	35.57-159.59
4,4'-DDD	0.120	ug/L	0.125	95.78	34.70-139.82
4,4'-DDE	0.122	ug/L	0.125	97.78	29.61-130.24
4,4'-DDT	0.110	ug/L	0.125	88.39	33.43-137.17
Surr:Decachlorobiphenyl	0.456	ug/L	0.500	91.13	26.32-128.90



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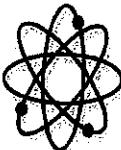
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## Matrix Spike

Result	Units	Spike	%REC	Sample	%REC Lim	RPD	RPD Lim
Aldrin	ug/L	0.125	107.81	80.00-120.00	0.0200U	5.44	2.80
a-BHC	ug/L	0.128	102.46	80.00-120.00	0.0200U	11.23	3.06
b-BHC	ug/L	0.0946	75.72	32.71-121.18	0.0100U	22.17	8.19
Chlordane	ug/L	0.127	0.250	50.94	80.00-120.00	0.0100U	5.16
Dieldrin	ug/L	0.110	0.125	88.06	34.19-127.26	0.0200U	4.19
d-BHC	ug/L	0.0951	0.125	76.09	80.00-120.00	0.0100U	3.65
Endosulfan_I	ug/L	0.145	0.125	115.70	80.00-120.00	0.0100U	5.87
Endosulfan_II	ug/L	0.133	0.125	106.74	80.00-120.00	0.0100U	3.38
Endosulfan_sulfate	ug/L	0.113	0.125	90.08	80.00-120.00	0.0200U	10.67
Endrin	ug/L	0.125	0.125	99.60	57.84-145.43	0.0100U	
Endrin_Aldehyde	ug/L	0.139	0.125	111.17	80.00-120.00	0.0200U	
Heptachlor	ug/L	0.0973	0.125	77.82	66.41-135.41	0.0100U	
Heptachlor epoxide	ug/L	0.103	0.125	82.62	66.19-134.11	0.0100U	
Lindane (g-BHC)	ug/L	0.105	0.125	84.24	62.39-132.52	0.0100U	
Methoxychlor	ug/L	0.110	0.125	88.09	80.00-120.00	0.0100U	
4,4'-DDD	ug/L	0.120	0.125	95.78	34.70-139.82	0.0200U	
4,4'-DDE	ug/L	0.124	0.125	98.98	80.00-120.00	0.0200U	
4,4'-DDT	ug/L	0.157	0.125	125.42	80.00-120.00	0.0200U	
Surr:Decachlorobiphenyl	ug/L	0.408	0.500	81.56	80.00-120.00	0.0200U	
<b>Matrix Spike Duplicate</b>							
Aldrin	ug/L	0.142	0.125	113.84	80.00-120.00	0.0200U	
a-BHC	ug/L	0.143	0.125	114.65	80.00-120.00	0.0200U	
b-BHC	ug/L	0.118	0.125	94.59	32.71-121.18	0.0100U	
Chlordane	ug/L	0.132	0.250	52.88	80.00-120.00	0.0100U	
Dieldrin	ug/L	0.111	0.125	88.80	34.19-127.26	0.0200U	
c-BHC	ug/L	0.137	0.125	109.81	80.00-120.00	0.0100U	
Endosulfan_I	ug/L	0.104	0.125	83.51	80.00-120.00	0.0100U	
Endosulfan_II	ug/L	0.148	0.125	118.77	80.00-120.00	0.0100U	
Endosulfan_sulfate	ug/L	0.125	0.125	99.79	80.00-120.00	0.0200U	

FLDOH: E83018 (Main Lab) FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) NJDEP: FL015



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E82018 (Main Lab)  
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## Quality Control Batch: 10200895

### Matrix Spike Duplicate

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
0.118	ug/L	0.125	94.01	57-84-145.43	0.0100U	5.78	3.71
0.111	ug/L	0.125	88.81	80.00-120.00	0.0200U	22.37	7.56
0.113	ug/L	0.125	90.45	66.41-135.41	0.0100U	15.01	2.19
0.110	ug/L	0.125	88.17	66.19-134.11	0.0100U	6.50	8.06
0.110	ug/L	0.125	88.28	62.39-132.52	0.0100U	4.68	3.35
0.131	ug/L	0.125	105.16	80.00-120.00	0.0100U	17.67	4.99
0.120	ug/L	0.125	95.81	34.70-139.82	0.0200U	0.03	1.36
0.108	ug/L	0.125	86.10	80.00-120.00	0.0200U	13.92	3.64
0.110	ug/L	0.125	88.34	80.00-120.00	0.0200U	34.70	3.64
0.493	ug/L	0.500	98.67	80.00-120.00	18.98	17.86	

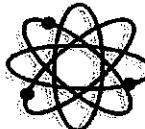
## Quality Control Batch: 10201142

### Blank

Result	Units
0.300U	ug/L
0.500U	ug/L
0.500U	ug/L
1.00U	ug/L

### Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
3.92	ug/L	4.00	98.11	33.40-167.19
3.99	ug/L	4.00	99.74	20.01-160.55
4.11	ug/L	4.00	102.69	29.28-161.04



# FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs FL 32715-0597  
571 NW Mercantile Pl. Suite 111, Port St. Lucie FL 34986  
P.O. Box 1200, Madison FL 32341  
3980 Overseas Hwy Suite 103, Marathon FL 33050

Phone: 407-339-5984 / Fax: 407-260-6110 E8301B (Main Lab)  
Phone: 772-343-8005 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
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 LAN  
Date Sampled: Jun 27, 2012  
Jul 16, 2012; Invoice: 179164

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. 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. Sample results reported as dissolved were field filtered.

### Quality Control

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

### Additional Comments

The EPA8270 Acid surrogate spikes were affected by non-targeted analytes.

### 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.

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

**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY**

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