

**Morris, John R.**

---

**From:** Morris, John R.  
**Sent:** Sunday, July 18, 2010 11:07 AM  
**To:** 'Mudd, P. Greg'  
**Cc:** Moore, Clark B.; Pelz, Susan  
**Subject:** RE: Hardee ADaPT files

Greg:

Please copy Clark Moore in our Tallahassee office when you send the results of routine monitoring events to the Southwest District office.

Thanks.

John

\*\*\*\*\*

John R. Morris, P.G.  
FDEP SW District Office, Solid Waste Section  
13051 N. Telecom Pkwy.  
Temple Terrace, FL 33637-0926.

Telephone: 813-632-7600, ext. 336  
E-mail: [john.r.morris@dep.state.fl.us](mailto:john.r.morris@dep.state.fl.us)

---

**From:** Mudd, P. Greg [mailto:[PGMudd@pbsj.com](mailto:PGMudd@pbsj.com)]  
**Sent:** Saturday, July 17, 2010 1:27 PM  
**To:** Morris, John R.  
**Subject:** FW: Hardee ADaPT files

John

Attached are the ADAPT files for the first half sampling event at the Hardee County landfill. Who should they go to?

Thank.

Greg Mudd  
PBS&J  
407 806-4339

---

**From:** June Flowers [mailto:[june@flowerslabs.com](mailto:june@flowerslabs.com)]  
**Sent:** Friday, July 16, 2010 4:19 PM  
**To:** Mudd, P. Greg  
**Subject:** Hardee ADaPT files

Here you go Greg,

The field sheets are in the mail. Have a fun weekend - go to the Party In The Park in Maitland!!!



40612

GW

SW

*An employee-owned company*

July 15, 2010

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

*ADAPT FILES ARE  
VIA E-MAIL 7/17/10*

**Re: Review of Semi-Annual Sampling Results  
First Half 2010 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, PBS&J would like to present this review of the results of the first half 2010 sampling event at for the facility referenced above. This document is designed to comply with the requirements of Specific Condition E.10 of the facility's permit, and was compiled in general accordance with the guidelines promulgated in Chapter 62-701.510(9) (a) of the Florida Administrative Code (FAC).

## BACKGROUND

The Hardee County Solid Waste Disposal Facility is an active Class I landfill which encompasses approximately 100 acres of land at 685 Airport Road in Hardee County, Florida. According to the facility's operating permit, the water quality monitoring network is designed to monitor the groundwater in the surficial aquifer, the surface water, and leachate. The groundwater monitoring network includes eight monitoring wells, which are designated MW-1, MW-2, MW-4, MW-5, MW-8, MW-10R, MW-11, and MW-12R. The facility's permit designates MW-1 and MW-4 as background wells and the other wells as detection wells. There are three other monitoring wells, MW-3, MW-6, and MW-7, which are designated by the permit as piezometers along with 15 other piezometers. 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 excluding the volatile organic compounds and metals, 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 I0 and at the Phase II leachate collection/detection riser. Those samples were collected annually and analyzed for the laboratory analytes listed in the referenced specific condition.

*Department of Environmental Protection*

**JUL 16 2010**

Mr. John Morris  
July 15, 2010  
Page 2

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 2010 SAMPLING EVENT**

The first half 2010 sampling event was conducted in June 2010, and the groundwater and surface samples were collected on June 22<sup>nd</sup> and 23<sup>rd</sup>. The leachate samples were collected in May 2010, and the sampling results were submitted to the Florida Department of Environmental Protection (FDEP) on June 3, 2010.

The groundwater and surface water samples were collected in general accordance with the FDEP's Standard Operating Procedure for Field Activities (SOP 001/01). Sample collection was performed by Flowers Chemical Laboratories inc. (FCL). 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. FCL is a NELAC-certified laboratory.

### **FIRST HALF 2010 SAMPLING EVENT RESULTS**

#### **Groundwater Flow Pattern**

Depth to groundwater measurements were collected at the eight monitoring wells and 15 piezometers

Mr. John Morris  
July 15, 2010  
Page 3

during this sampling event. The groundwater level elevation data from this event are presented in Table 1. The groundwater elevation data were plotted and contoured to generate the groundwater elevation contour map presented in Figure 2. The data indicated that the groundwater in the surficial aquifer beneath the landfill was flowing in a south-southeasterly direction at the time of this sampling event. The water table gradient measured approximately 0.003 feet per foot beneath the site.

### **Sampling Results**

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

#### Groundwater Analytical Results

There were numerous inorganic analytes and one organic analyte detected in the groundwater samples during this sampling event. The inorganic analyte detections included all of those which are part of the analytical program except antimony, beryllium, cadmium, lead, mercury, selenium, silver, and thallium. At least one inorganic analyte was detected at every well in the monitoring network. The only organic analyte that was detected in the network was toluene in the sample collected at well MW-1.

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

- pH - The standard for pH is any value outside of the range between 6.5 and 8.5. The pH value at all of the wells were at 6.5 or lower and measured as low as 4.70 at well MW-1. The pH values at both of the background wells (MW-1 and MW-4) were lower than the standard range.
- The standard for iron is 0.3 milligrams per liter (mg/L). The concentration of iron in the samples collected at wells MW-1, MW-2, MW-4, MW-5, and MW-10R exceeded the standard. The iron concentrations at both of the background wells were higher than the standard.

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

#### Surface Water Analytical Results

There were several inorganic analytes detected in the surface water sample, and no organic analytes. The concentration of every analyte that was detected in the surface water sample was compared to the State surface water quality standards, and the dissolved oxygen (DO) concentration was lower than the target concentration. The target concentration for DO is 5 mg/L and higher. The DO concentration in the

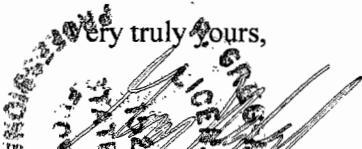
Mr. John Morris  
July 15, 2010  
Page 4

sample was 3.83 mg/L. The surface water standards are promulgated by Chapter 62-302, FAC. A summary of the surface water analytical results is presented in Table 3 and the laboratory analytical report is provided in Attachment C.

#### SUMMARY AND CONCLUSIONS

The results of the first half 2010 sampling event at the Hardee County Solid Waste Disposal Facility were consistent with those of the recent sampling events, with numerous inorganic detections in the groundwater and surface water and a small number of organic analyte detections. Two analytes – pH and iron – were detected in the groundwater at concentrations in excess of the regulatory criteria, and the only analyte that was not within standards in the surface water was DO.

Based on these findings, the facility does not appear to be having a significant effect on groundwater and surface water quality. PBS&J recommends that the analytical results in future sampling events be monitored closely for any developing trends. If you have any questions regarding the information presented in this report, please call me at (407) 806-4339.

Very truly yours,  
  
Greg Mudd, P.G.  
Senior Geologist

CC: Ms. Teresa Carver, Hardee County Solid Waste Department, 685 Airport Road, Wauchula, FL  
33873 (2 copies)  
File, 100013081

## **TABLES**

**Table 1**  
**Groundwater Elevation Data**  
**Hardee County Landfill**  
**First Half 2010**

<b>Well Identifier</b>	<b>Top-of-Casing Elevation (Ft-NGVD)</b>	<b>Ground Surface Elevation (Ft-NGVD)</b>	<b>Total Depth (Ft-TOC)</b>	<b>Well Diameter (Inches)</b>	<b>Depth to Groundwater (Ft below TOC)</b>	<b>Groundwater Elevation (Ft-NGVD)</b>
<b>Monitoring Wells</b>						
MW-1	87.97	86.24	11.00	4	5.27	82.70
MW-2	85.86	83.75	10.50	4	6.16	79.70
MW-4	87.16	84.09	18.90	2	6.16	81.00
MW-5	88.76	85.83	18.10	2	8.26	80.50
MW-8	88.98	85.80	13.50	2	8.68	80.30
MW-10R	88.56	85.49	15.12	2	8.66	79.90
MW-11	88.11	85.17	13.90	2	8.21	79.90
MW-12R	89.00	85.71	23.25	2	5.90	83.10
<b>Piezometers</b>						
MW-3	88.06	86.46	NA	2	6.96	81.10
MW-6	88.25	85.06	NA	2	8.25	80.00
MW-7	87.88	84.98	NA	2	8.13	79.75
P-1	90.57	86.47	NA	2	10.16	80.41
P-2	91.08	89.48	NA	2	10.63	80.45
P-7	84.47	82.41	NA	2	4.3	80.17
P-8	85.32	83.25	NA	2	5.79	79.53
P-11	88.69	86.16	NA	2	8.02	80.67
P-13	87.96	87.98	NA	2	7.89	80.07
P-14	87.31	84.05	NA	2	7.33	79.98
P-15	87.72	89.62	NA	2	9.6	78.12
P-17	88.82	85.88	NA	2	6.25	82.57
P-18	88.74	84.37	NA	2	6.62	82.12
P-19	86.73	84.14	NA	2	2.48	84.25
P-20	87.6	84.68	NA	2	4.86	82.74
P-21	86.63	83.57	NA	2	7.01	79.62
P-22	87.04	84.09	NA	2	7.66	79.38
P-23	86.45	83.71	NA	2	7.60	81.40

**Table 2**  
**Groundwater Analytical Summary**  
**Hardee County Landfill**  
**First Half 2010**

Analyte	Monitoring Well	MW-1	MW-2	MW-4	MW-5	MW-8	MW-10R	MW-11	MW-12R
	Sample Date:	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010	6/23/2010
	Standard <sup>(1)</sup>	Units							
Groundwater Elevation		ft	82.7	79.7	81.0	80.5	80.3	79.9	79.9
Temperature		deg. C	24.5	26.6	23.1	24.9	26.7	26	25
pH	6.5-8.5	STD	4.70	6.5	6.31	5.12	6.02	4.97	5.17
Conductivity		umhos/cm	239	584	353	107	298	123	68
Dissolved Oxygen (DO)		mg/l	5.90	1.58	0.89	0.17	1.74	0.85	0.24
Turbidity		NTU	7.40	4.5	2.6	2.80	4.98	2.3	12.7
Nitrate (as N)	10	mg/l	BDL	BDL	BDL	BDL	8.02	BDL	BDL
TDS	500	mg/l	438	400	314	64	180	62	30
Chloride	250	mg/l	49.3	43	16.2	14.8	11.7	8.73	9.11
Antimony	0.006	mg/l	BDL						
Arsenic	0.01	mg/l	0.00817	0.00221	0.00957	0.00136	BDL	BDL	BDL
Barium	2	mg/l	0.0163	0.0331	0.0161	0.00334	0.00631	0.00443	0.0105
Beryllium	0.004	mg/l	BDL						
Cadmium	0.005	mg/l	BDL						
Chromium	0.1	mg/l	0.00688	BDL	0.00442	0.00164	BDL	0.00139	0.00137
Cobalt		mg/l	0.00172	BDL	BDL	BDL	BDL	BDL	BDL
Copper	1	mg/l	BDL	BDL	0.0021	BDL	0.00218	BDL	BDL
Lead	0.015	mg/l	BDL						
Mercury	0.002	mg/l	BDL						
Nickel	0.1	mg/l	0.0117	0.0039	0.00327	BDL	0.00196	BDL	BDL
Selenium	0.05	mg/l	BDL						
Silver	0.1	mg/l	BDL						
Thallium	0.002	mg/l	BDL						
Vanadium		mg/l	0.0602	BDL	0.0149	BDL	0.0196	0.00127	0.00209
Zinc	5	mg/l	BDL	BDL	BDL	BDL	0.318	BDL	0.0143
Ammonia (as N)	2.8	mg/l	0.145	0.21	0.427	0.155	BDL	0.035	BDL
Iron	0.3	mg/l	12	7.25	10.5	5.9	0.0365	6.23	0.129
Sodium	160	mg/l	16.5	24.8	7.1	4.48	5.81	8.35	5.38
<i>Organics</i>									
1,1,1,2-Tetrachloroethane		ug/l	BDL						
1,1,1-Trichloroethane	200	ug/l	BDL						
1,1,2,2-Tetrachloroethane		ug/l	BDL						
1,1,2-Trichloroethane	5	ug/l	BDL						
1,1-Dichloroethane		ug/l	BDL						
1,1-Dichloroethene	7	ug/l	BDL						
1,2-Dichloroethane	3	ug/l	BDL						
1,2-Dichloropropane	5	ug/l	BDL						
2-Butanone (MEK)		ug/l	BDL						
2-Hexanone		ug/l	BDL						
Acetone		ug/l	BDL	BDL	10.5	BDL	BDL	BDL	BDL
Acrylonitrile		ug/l	BDL						
Benzene	1	ug/l	BDL						
Bromochloromethane		ug/l	BDL						
Bromodichloromethane		ug/l	BDL						
Bromoform		ug/l	BDL						
Bromomethane		ug/l	BDL						
Carbon Disulfide		ug/l	BDL						
Carbon Tetrachloride	3	ug/l	BDL						
Chlorobenzene		ug/l	BDL						
Chloroethane		ug/l	BDL						
Chloroform		ug/l	BDL						
Chloromethane		ug/l	BDL						
Dibromochloromethane		ug/l	BDL						
Dibromomethane		ug/l	BDL						
Ethylbenzene	700	ug/l	BDL						
Methyl Iodide		ug/l	BDL						
Methyl Isobutyl Ketone		ug/l	BDL						
Methylene chloride		ug/l	BDL						
Para-dichlorobenzene	75	ug/l	BDL						
Styrene	100	ug/l	BDL						
Tetrachloroethene	3	ug/l	BDL						
Toluene	1000	ug/l	0.83	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	3	ug/l	BDL						
Trichlorofluoromethane		ug/l	BDL						
Vinyl Acetate		ug/l	BDL						
Vinyl chloride	1	ug/l	BDL						
Xylenes	10000	ug/l	BDL						
cis-1,2-Dichloroethene	70	ug/l	BDL						
cis-1,3-Dichloropropene		ug/l	BDL						
o-Dichlorobenzene	600	ug/l	BDL						
trans-1,2-Dichloroethene	100	ug/l	BDL						
trans-1,3-Dichloropropene		ug/l	BDL						
trans-1,4-Dichloro-2-butene		ug/l	BDL						

<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.

BDL = Below Detection Limits (detection limits lower than referenced standard unless otherwise noted).

**Table 3**  
**Surface Water Analytical Summary**  
**Hardee County Landfill**  
**First Half 2010**

Analyte			Location	SW-2
	Sample Identifier:		SW-2	
	Date of Test:		06/22/10	
	Standard (1)	Units		
<b>Field Measurements</b>				
Temperature		deg. C	21.4	
pH	6-8.5	STD	6.78	
Conductivity	1275	umhos/cm	310	
Dissolved Oxygen (DO)	>5	mg/l	3.83	
Turbidity	29+	NTU	0.950	
<b>Inorganics</b>				
Unionized ammonia (as N)	20	mg/L	BDL	
Nitrate (as N)		mg/L	BDL	
Nitrite (as N)		mg/L	BDL	
Total Dissolved Solids (TDS)		mg/L	304	
Aluminum		mg/L	BDL	
Antimony	4300	mg/L	BDL	
Arsenic	50	mg/L	0.00134	
Barium		mg/L	0.0152	
Beryllium	0.13	mg/L	BDL	
Cadmium	1.41 <sup>(2)</sup>	mg/L	BDL	
Chromium	108.1 <sup>(3)</sup>	mg/L	BDL	
Cobalt		mg/L	BDL	
Copper	11.8 <sup>(4)</sup>	mg/L	BDL	
Iron	0.3	mg/L	0.138	
Lead	4.53 <sup>(5)</sup>	mg/L	BDL	
Mercury	0.002	mg/L	BDL	
Nickel	65.9 <sup>(6)</sup>	mg/L	0.00196	
Selenium	5	mg/L	BDL	
Silver	0.07	mg/L	BDL	
Sulfate		mg/L	20.2	
Thallium	6.3	mg/L	BDL	
Vanadium		mg/L	0.0018	
Zinc	151.5 <sup>(7)</sup>	mg/L	BDL	
Fecal coliform	800	cfu/100mL	34	
Total Hardness (as CaCO <sub>3</sub> )		mg/L	132	
Total Organic Carbon (TOC)		mg/L	31.2	
Total Nitrogen		mg/L	1.95	
Total Phosphorus		mg/L	1.11	
Phenolics		mg/L	BDL	
Biological Oxygen Demand (BOD)		mg/l	BDL	
Chemical Oxygen Demand (COD)		mg/L	118	
Chlorophyll A		mg/m <sup>3</sup>	18.7	
Total Keldahl Nitrogen (TKN) (as N)		mg/l	1.94	
<b>Organics</b>				
1,1,1,2-Tetrachloroethane		ug/l	BDL	
1,1,1-Trichloroethane		ug/l	BDL	
1,1,2,2-Tetrachloroethane	10.8	ug/l	BDL	
1,1,2-Trichloroethane		ug/l	BDL	
1,1-Dichloroethane		ug/l	BDL	
1,1-Dichloroethene	3.2	ug/l	BDL	
1,2-Dichloroethane		ug/l	BDL	
1,2-Dichloropropane		ug/l	BDL	

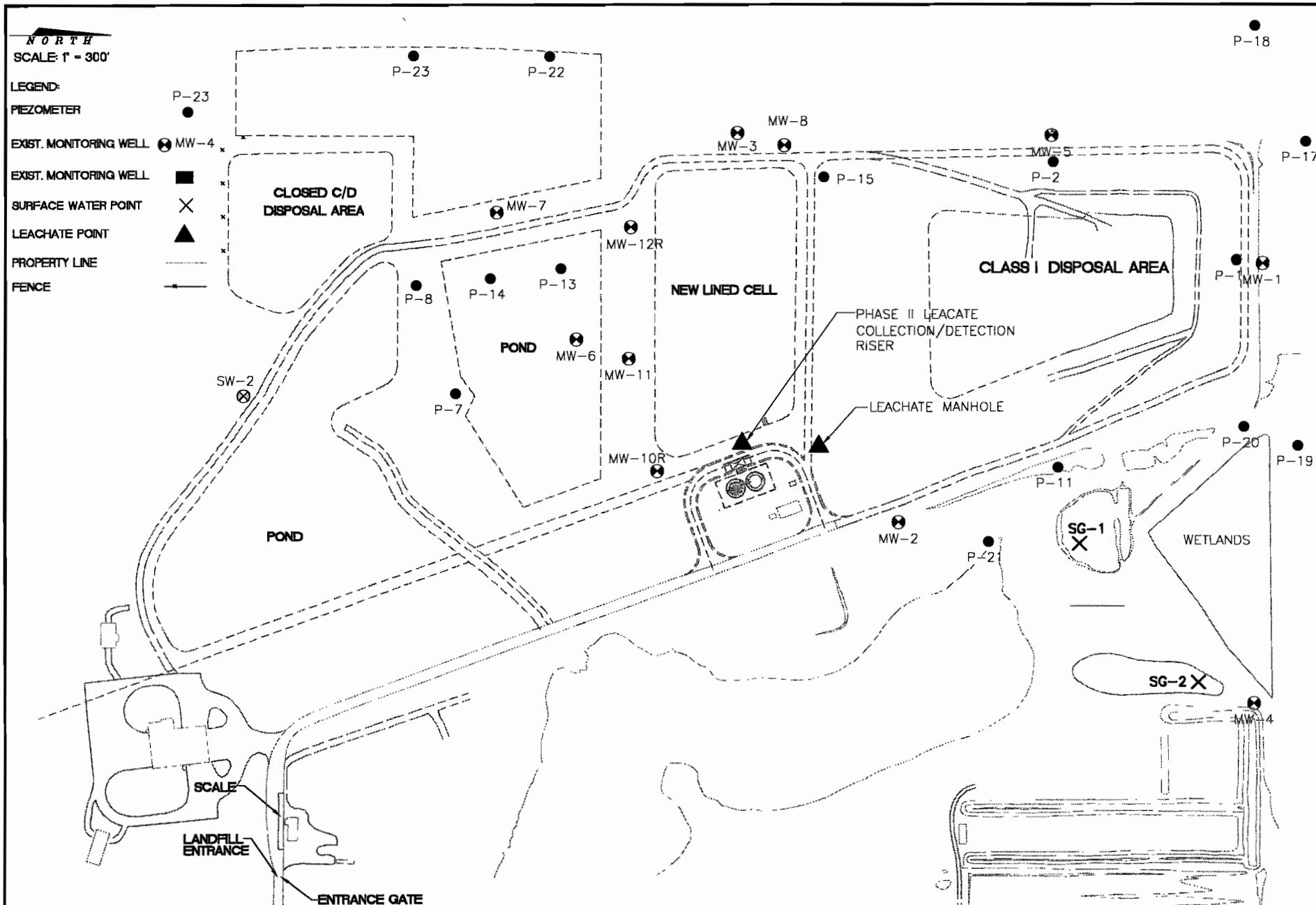
Analyte	Location:		SW-2
	Sample Identifier:		SW-2
	Date of Test:		06/22/10
	Standard(1)	Units	
2-Butanone (MEK)		ug/l	BDL
2-Hexanone		ug/l	BDL
2-Chloroethylvinylether		ug/l	BDL
Acetone		ug/l	BDL
Acrolein		ug/l	BDL
Acrylonitrile		ug/l	BDL
Benzene	71.28	ug/l	BDL
Bromochloromethane		ug/l	BDL
Bromodichloromethane	22	ug/l	BDL
Bromoform		ug/l	BDL
Bromomethane		ug/l	BDL
Carbon disulfide		ug/l	BDL
Carbon tetrachloride	4.42	ug/l	BDL
Chlorobenzene		ug/l	BDL
Chloroethane		ug/l	BDL
Chloroform		ug/l	BDL
Chloromethane	470.8	ug/l	BDL
Dibromochloromethane		ug/l	BDL
Dibromomethane		ug/l	BDL
Ethylbenzene		ug/l	BDL
m-Dichlorobenzene		ug/l	BDL
Methyl iodide		ug/l	BDL
Methyl isobutyl ketone		ug/l	BDL
Methylene chloride		ug/l	BDL
Para-dichlorobenzene		ug/l	BDL
Styrene		ug/l	BDL
Tetrachloroethene		ug/l	BDL
Toluene		ug/l	BDL
Trichloroethene	80.7	ug/l	BDL
Trichlorofluoromethane		ug/l	BDL
Vinyl Acetate		ug/l	BDL
Vinyl chloride		ug/l	BDL
Xylenes		ug/l	BDL
cis-1,2-Dichloroethene		ug/l	BDL
cis-1,3-Dichloropropene		ug/l	BDL
o-Dichlorobenzene		ug/l	BDL
trans-1,2-Dichloroethene		ug/l	BDL
trans-1,3,-Dichloropropene		ug/l	BDL
trans-1,4-Dichloro-2-butene		ug/l	BDL

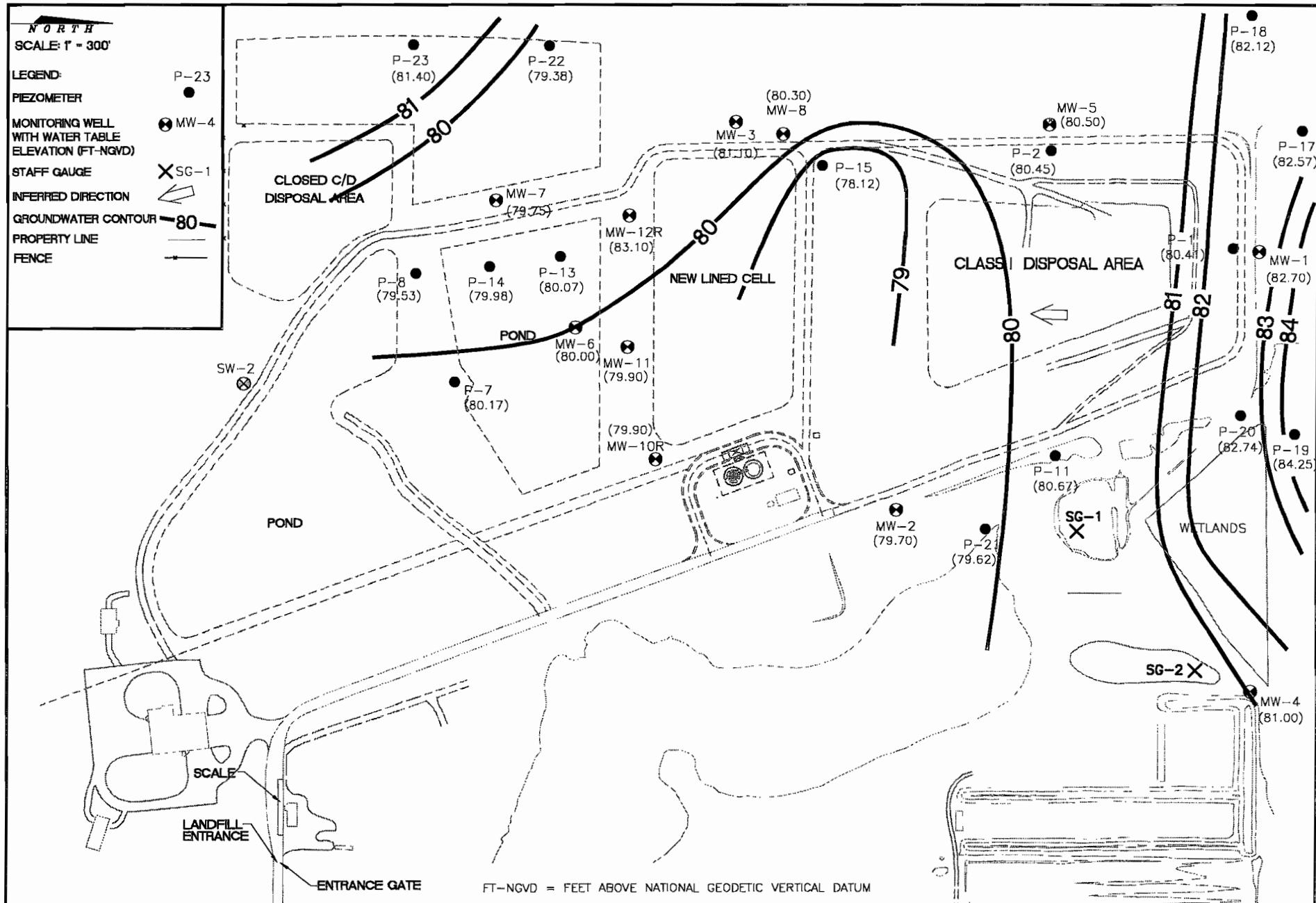
Abbreviations: mg/l = milligrams per liter; ug/l = micrograms per liter; NTU = nephelometric turbidity units; mg/m<sup>3</sup> - milligrams per cubic meter.

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

- (2) Cd less than or equal to e(0.7852(InH)-3.49)
- (3) Cr less than or equal to e(0.819(InH)+0.6848)
- (4) Cu less than or equal to e(0845(InH)-1.702)
- (5) Pb less than or equal to e(1.273(InH)-4.705)
- (6) Ni less than or equal to e(0.846(InH)+0.0584)
- (7) Zn less than or equal to e(0.8473(InH)+0.884)

## **FIGURES**





**PBSJ**

POST,  
BUCKLEY,  
SCHUH &  
JERNIGAN, INC.

**HARDEE COUNTY  
LANDFILL**

**WATER TABLE ELEVATION  
CONTOUR MAP  
FIRST HALF 2010**

**FIGURE 2**

**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 # 62-522.900(2)

Form Title Ground Water Monitoring Report

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 Wachula, Florida

Zip 33873

Telephone Number (863) 733-5089

(2) The GMS Identification Number 4025C30001

(3) DEP Permit Number 38414-007-SO

(4) Authorized Representative Name Greg Mudd, P.G., PBS&J

Address 482 Keller Road

City Orlando, Florida

Zip 32810

Telephone Number (407) 806-4339

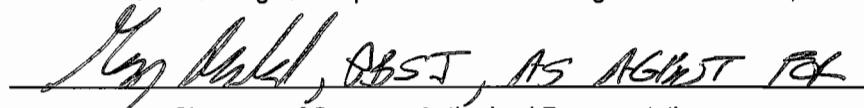
(5) Type of Discharge N/A

(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: 6/13/10

  
Signature of Owner or Authorized Representative  
*Greg Mudd, PBS&J, AS AGENT FOR  
HARDEE COUNTY*

### PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # PBS&J

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 2010  
 Test Site ID #: \_\_\_\_\_ Report Period: First Half 2010  
 (year/quarter)

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

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

Ground Water Elevation (NGVD): \_\_\_\_\_  
 or (MSL): \_\_\_\_\_

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

\* Attach Laboratory Reports

**ATTACHMENT B**

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

Form FD 9000-24

SITE NAME	Landfill		SITE LOCATION	Hansler County							
WELL NO.	MW-5		SAMPLE ID	MW-5							
				DATE	6/23/10						
PURGING DATA											
WELL DIAMETER (inches)	2"	TUBING DIAMETER (inches)	1/4"	WELL SCREEN INTERVAL DEPTH (feet to feet)	STATIC DEPTH TO WATER (feet)						
				feet to feet	feet						
WELL VOLUME PURGE: (only fill out if applicable)		1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY									
		$= (20.75 \text{ feet} - 8.30 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.99 \text{ gallons}$									
EQUIPMENT VOLUME PURGE: (only fill out if applicable)		1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME									
		$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$									
INITIAL PUMP OR TUBING DEPTH IN WELL (feet)		11'	FINAL PUMP OR TUBING DEPTH IN WELL (feet)		16'						
			PURGING INITIATED AT		09:03						
			PURGING ENDED AT		09:17						
			TOTAL VOLUME PURGED (gallons)		3.08						
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (micro units) $\mu\text{mhos/cm}$ $\Omega \mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	SCREEN (describe)
09:03	-	-	-	8.30							
09:07	2.00	2.00	0.18	8.64	5.08	24.9	105	0.19	4.35	Clean	NONE
09:14	0.54	2.54	0.18	8.65	5.11	24.9	107	0.19	2.41		
09:17	0.54	3.08	0.18	8.65	5.12	24.9	107	0.17	2.80		
										Clean	NONE
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47, 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal/Ft): 1/8" = 0.0008, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.008, 1/2" = 0.010, 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Baler; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
SAMPLING DATA											
SAMPLED BY (PRINT) / AFFILIATION: Robert Carpenter ECL			SAMPLER(S) SIGNATURE(S): Robert Carpenter				SAMPLING INITIATED AT: 09:18	SAMPLING ENDED AT: 09:21			
PUMP OR TUBING DEPTH IN WELL (feet): 11'			TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y <input checked="" type="checkbox"/>			FILTER SIZE <input type="text"/> μm				
FIELD DECONTAMINATION: N			REPLACE TUBING: Y	N (replaced)			DUPLICATE: Y	<input checked="" type="checkbox"/>			
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	5.12		PP	1/2 mL/min	
SER COC											
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 62-180, F.A.C.

1. The above do not constitute all of the information required by Chapter 62-150, F.A.C.  
2. STABILIZATION CRITERIA 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 3)**

**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);

pH:  $\pm$  0.2 units Temperature:  $\pm$  0.2 °C Specific Conductance:  $\pm$  5% Dissolved Oxygen:

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

Revision Date: February 12, 2009

Revision Date: February 12, 2018

Revision Date: February 12, 2009

Form FD 9000-24

**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,  $\pm 0.2 \text{ mg/l}$  or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $< 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-180, F.A.C.

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); colorimetric:  $\pm 0.2$  mAU or  $\pm 10\%$  (whichever is greater). Turbidity: all readings  $< 20$  NTU; colorimetric:  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater).

Revision Date: February 12, 2009

Form FD 9000-24

## **SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION <i>Robert Carpenter</i> FCL		SAMPLER(S) SIGNATURE(S) <i>Robert Carpenter</i>			SAMPLING INITIATED AT 11:21	SAMPLING ENDED AT 11:24		
PUMP OR TUBING DEPTH IN WELL (feet)	121	TUBING MATERIAL CODE PE	FIELD-FILTERED: Y Filtration Equipment Type:		FILTER SIZE _____ μm			
FIELD DECONTAMINATION	PUMP Y N	Replace	TUBING Y N (Indicated)	DUPPLICATE 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 <i>MW-122</i>	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH <i>5.95</i>	PP	<i>1/4ml/min</i>
<i>SEE COC</i>								

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

Revision Date: February 12, 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME	<i>Landfill</i>	SITE LOCATION	<i>Hendee County</i>
WELL NO.	MW-11	SAMPLE ID	MW-11

**PURGING DATA**

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH (feet)	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= (13.90 feet - 8.19 feet) X 0.16 gallons/foot = 0.91 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)							
11	11	11:36	12:06	4.86							
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	SMELL (describe)
11:36	-	-	-	8.19							(WHITE)
11:41	1.00	1.00	0.20	8.91	5.18	25.4	66	0.48	64	(TINT)	NONE
11:46	1.00	2.00	0.20	8.94	5.12	25.1	67	0.30	73		
11:53	1.00	3.00	0.14	8.91	5.14	25.0	68	0.28	34		
12:00	1.00	4.00	0.14	8.90	5.17	25.1	68	0.25	17.0	CLEAR	
12:09	1.00	5.00	0.14	8.90	-	25.1	68	-	14.2		
12:03	0.43	4.43	0.14	8.90	5.17	25.1	68	0.24	14.2		
12:06	0.43	4.86	0.14	8.90	5.17	25.0	68	0.24	12.7		
											CLEAR NO TINT

WELL CAPACITY (Gallons Per Foot):  $0.75'' = 0.02$ ,  $1'' = 0.04$ ,  $1.25'' = 0.06$ ,  $2'' = 0.16$ ,  $3'' = 0.37$ ,  $4'' = 0.68$ ,  $5'' = 1.02$ ,  $6'' = 1.47$ ,  $12'' = 5.88$   
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 = Baile, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT						
<i>Robert Carpenter FCL</i>	<i>Robert Carpenter</i>	12:07	12:12						
PUMP OR TUBING DEPTH IN WELL (feet)	11	FIELD-FILTERED: Y <input checked="" type="checkbox"/> FILTER SIZE <u>  </u> $\mu\text{m}$							
MATERIAL CODE	PE	Filtration Equipment Type:							
FIELD DECONTAMINATION	PUMP Y N	REPLACE TUBING Y N <u>replaced</u>	DUPPLICATE Y <input checked="" 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-11					5.17			PP	214 ml/min

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

Revision Date: February 12, 2009

**DEP-SOP-001/01  
FS 2200 Groundwater Sampling  
Form FD 9000-24**

SITE NAME: <i>Lanell Hill</i>	SITE LOCATION: <i>Hardee County</i>	
WELL NO <i>MW-4</i>	SAMPLE ID <i>MW-4</i>	DATE <i>12/23/10</i>

#### **PURGING DATA**

#### **SAMPLING DATA**

**REMARKS**

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

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

**NOTES:** 1. The above do not constitute all 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,  $\pm 0.2\text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $< 20\text{ NTU}$ ; optionally  $\pm 5\text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

**DEP-SOP-001/01  
FS 2200 Groundwater Sampling  
Form FD 9000-24**

SITE NAME <i>Landfill</i>	SITE LOCATION <i>Hurdee County</i>	
WELL NO. <i>MW-2</i>	SAMPLE ID <i>MW-2</i>	DATE <i>6/23/10</i>

## PURGING DATA

#### **SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION <u>Tommy Cross / FCL</u>		SAMPLER(S) SIGNATURES <u>[Signature]</u>		SAMPLING INITIATED AT <u>1045</u>	SAMPLING ENDED AT <u>1050</u>		
PUMP OR TUBING DEPTH IN WELL (feet)	<u>12.00</u>	SAMPLE PUMP FLOW RATE (mL per minute)	<u>3 1/4</u>	TUBING MATERIAL CODE	<u>STPE</u>		
FIELD DECONTAMINATION	<u>O</u> N	FIELD-FILTERED:	<u>Y</u>	FILTER SIZE <u>10</u> µm	DUPPLICATE <u>Y</u> <u>N</u>		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	
<i>X See C.O.C off</i>							
REMARKS							

---

**REMARKS**

observed a sheen on surface of the water

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

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

**NOTES:** 1. The above do not constitute all 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  $< 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $< 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

**DEP-SOP-001/01  
FS 2200 Groundwater Sampling  
Form FD 9000-24**

SITE NAME: <i>Laneville</i>	SITE LOCATION: <i>Hanlee County</i>	
WELL NO: <i>MW-1</i>	SAMPLE ID: <i>MW-1</i>	DATE: <i>6/23/10</i>

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

**NOTES:** 1. The above do not constitute all 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 °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)

DEP-SOP-001/01  
FS 2200 Groundwater Sampling  
Form FD 9000-24

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

## PURGING DATA

**WELL CAPACITY** (Gallons Per Foot)     $0.75'' = 0.02$ ,     $1'' = 0.04$ ,     $1.25'' = 0.06$ ,     $2'' = 0.16$ ,     $3'' = 0.37$ ,     $4'' = 0.66$ ,     $5'' = 1.02$ ,     $6'' = 1.47$ ,     $12'' = 5.88$   
**TUBING INSIDE DIA. CAPACITY (Gal./Ft.)**     $1/8'' = 0.0006$ ,     $3/16'' = 0.0014$ ,     $1/4'' = 0.0026$ ,     $5/16'' = 0.004$ ,     $3/8'' = 0.008$ ,     $1/2'' = 0.010$ ,     $5/8'' = 0.018$

## SAMPLING DATA

**REMARKS**

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

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

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-150, F.A.C.

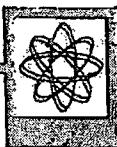
**2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**

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

126269

## FIELD DATA SHEET

FLOWERS

CHEMICAL  
LABORATORIES  
INCORPORATEDSampler(s) Robert Carpenter Date 6/21/10 Page ofProject Name Hanover County P&T (LF, Phase II) 40612

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

Sample Site Identification Landfill

Sampling Method	Grab <input type="checkbox"/>	Composite <input type="checkbox"/>	Monitoring Well <input checked="" type="checkbox"/>	Bailer <input type="checkbox"/>	Pump <input type="checkbox"/>
-----------------	-------------------------------	------------------------------------	---	---------------------------------	-------------------------------

Sampling Equipment PPSite & Weather Conditions Clean + Sunny

Field Instrument Beginning Calibration

										Slope
pH Meter	<input checked="" type="checkbox"/>		NO		Buffer	4.0	4.00	7.0	7.00	10.0
Conductivity Meter	<input checked="" type="checkbox"/>		NO		Buffer	100	100	1000	1007	
Turbidity Meter	<input checked="" type="checkbox"/>		NO		Buffer	1.0	1.0	10.0	10.0	
DO Meter	<input checked="" type="checkbox"/>		NO	99.7%	32.24°C	100%				

Field Filtered	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	Duplicate	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	Field Decontamination	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
----------------	------------------------------	--	-----------	------------------------------	--	-----------------------	------------------------------	--

Parameter	Sample Containers	pH Check
<input checked="" type="checkbox"/> Nutrient	Plastic - H <sub>2</sub> SO <sub>4</sub>	<2
<input checked="" type="checkbox"/> Metals	Plastic - HNO <sub>3</sub>	<2
<input type="checkbox"/> Sulfide-	Plastic - NaOH / Zn Acetate	<12
<input type="checkbox"/> Cyanide	Plastic - NaOH / Zn (No sulfide)/Ascorbic Acid	>12
<input type="checkbox"/> Bacteriological	Glass - Thiosulfate (DW NO Chlorine Res)	
<input type="checkbox"/> Oil & Grease	Glass - HCl	<2
<input type="checkbox"/> TOC	Plastic - HCl	<2
<input checked="" type="checkbox"/> VOA	Glass - HCl	<2
<input type="checkbox"/> SVOC	Glass - HCl (DW NO Chlorine Res)	
<input type="checkbox"/> Phenols	Glass - H <sub>2</sub> SO <sub>4</sub>	<2
<input checked="" type="checkbox"/> Other	Unpreserved	

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

pH Meter	<input checked="" type="checkbox"/>	NO		Buffer	4.0		7.0	7.00	10.0	
Conductivity Meter	<input checked="" type="checkbox"/>	NO		Buffer	100		1000	1007		
Turbidity Meter	<input checked="" type="checkbox"/>	NO		Buffer	1.0		10.0	10.0		
DO Meter	<input checked="" type="checkbox"/>	NO	Sat = 99.8% @ 32.6°C	100%						

General Site Information / Comments

Wobott  
126269

## FIELD DATA SHEET

**FLOWERS**

**CHEMICAL  
LABORATORIES  
INCORPORATED**



Sampler(s) Tommy Cross

Date 6/23/10

Page 1 of 5

Project Name PB S+J: Harnett County Landfill S/W wells

40612

Sample Type	WW	SW	<input checked="" type="checkbox"/> GW	DW	Reag.Wtr.	Sludge	Sediment	Soil	Other
-------------	----	----	--	----	-----------	--------	----------	------	-------

Sample Site Identification MW-4, MW-2, MW-1, MW-10A

Sampling Method	<input type="checkbox"/> Grab	<input type="checkbox"/> Composite	<input type="checkbox"/> Monitoring Well	<input checked="" type="checkbox"/> Bailer	<input type="checkbox"/> Pump
-----------------	-------------------------------	------------------------------------	--	--	-------------------------------

Sampling Equipment Crettek II peristaltic pump, Polyethylene + Silicon Tubing

Site & Weather Conditions clear + Hot

### Field Instrument Beginning Calibration

Slope

pH Meter	YES	<input checked="" type="checkbox"/>	NO	Buffer	4.0	<del>4.01</del> <del>1001</del> <del>1001</del>	7.0	7.00	10.0	10.01
Conductivity Meter	YES	<input checked="" type="checkbox"/>	NO	Buffer	100	<del>100</del> <del>1000</del> <del>1000</del>	1000	1412		
Turbidity Meter	YES	<input checked="" type="checkbox"/>	NO	Buffer	1.0		10.0	10.00		
DO Meter	YES	<input checked="" type="checkbox"/>	NO	99.2% saturation						

Field Filtered  YES  NO

Duplicate  YES  NO

Field Decontamination  YES  NO

Parameter	Sample Containers	pH Check
<input checked="" type="checkbox"/> Nutrient	Plastic - H <sub>2</sub> SO <sub>4</sub>	<2
<input checked="" type="checkbox"/> Metals	Plastic - HNO <sub>3</sub>	<2
<input type="checkbox"/> Sulfide	Plastic - NaOH / Zn Acetate	<12
<input type="checkbox"/> Cyanide	Plastic - NaOH / Zn (No sulfide)/Ascorbic Acid	>12
<input type="checkbox"/> Bacteriological	Glass - Thiosulfate (DW NO Chlorine Res)	
<input type="checkbox"/> Oil & Grease	Glass - HCl	<2
<input type="checkbox"/> TOC	Plastic - HCl	<2
<input checked="" type="checkbox"/> VOA	Glass - HCl	<2
<input type="checkbox"/> SVOC	Glass - HCl (DW NO Chlorine Res)	
<input type="checkbox"/> Phenols	Glass - H <sub>2</sub> SO <sub>4</sub>	<2
<input checked="" type="checkbox"/> Other	Unpreserved	

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

### Field Instrument Ending Calibration

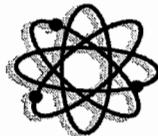
Slope

pH Meter	YES	<input checked="" type="checkbox"/>	NO	Buffer	4.0		7.0	7.06	10.0	
Conductivity Meter	YES	<input checked="" type="checkbox"/>	NO	Buffer	100		<del>100</del> <del>1000</del> <del>1000</del>	1441		
Turbidity Meter	YES	<input checked="" type="checkbox"/>	NO	Buffer	1.0		10.0	10.00		
DO Meter	YES	<input checked="" type="checkbox"/>	NO	98.9% saturation						

### General Site Information / Comments

**ATTACHMENT C**

**Groundwater and Surface Water Analytical Report**



# 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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

## Report Summary

Date Received: Jun 24, 2010

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
126269GW1	300/MW-5	EPA350.1 EPA353.2 EPA6010 EPA6020 EPA7470 EPA8011 EPA8260 FT1000 FT1100 FT1200 FT1400 FT1500 FT1600 SM2540.C SM4500-CI E	PCW PCW EVB EVB EVB DLJ CLS RJC RJC RJC RJC RJC RJC BHM VLB	Main Lab Main Lab	Ground Water
126269GW2	19255/MW-8	EPA350.1 EPA353.2 EPA6010 EPA6020 EPA7470 EPA8011 EPA8260 FT1000 FT1100 FT1200 FT1400 FT1500 FT1600 SM2540.C SM4500-CI E	PCW PCW EVB EVB EVB DLJ CLS RJC RJC RJC RJC RJC RJC BHM VLB	Main Lab Main Lab	Ground Water
126269GW3	22931/MW-12R	EPA350.1 EPA353.2 EPA6010 EPA6020 EPA7470 EPA8011 EPA8260 FT1000 FT1100 FT1200 FT1400 FT1500	PCW PCW EVB EVB EVB DLJ CLS RJC RJC RJC RJC RJC	Main Lab Main Lab	Ground Water



# FLOWERS CHEMICAL LABORATORIES INC.

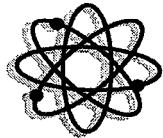
P.O. Box 150597, Altamonte Springs FL 32715-0597  
571 NW Mercantile Pl. Suite 111, Port St. Lucie FL 34986  
P.O. Box 1200, Madison FL 32341  
3980 Overseas Hwy Suite 103, Marathon FL 33050

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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

126269GW4	21882/MW-11	FT1600	RJC	Main Lab	
		SM2540 C	BHM	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	BHM	Main Lab	
		SM4500-CI E	VLB	Main Lab	
126269GW5	299/MW-4	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	BHM	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	BHM	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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

126269GW7	296/MW-1	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	BHM	Main Lab	
		SM4500-CI E	VLB	Main Lab	
126269GW8	22930/MW-10R	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	BHM	Main Lab	
		SM4500-CI E	VLB	Main Lab	
126269GW9	Trip blank	EPA8260	CLS	Main Lab	Ground Water

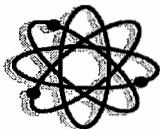
### Certificate of Results

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



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





# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

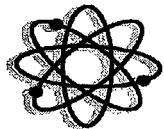
PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

## Analysis Report

Lab #: 126269GW1   Sampled: 06/23/10 09:18 AM   Desc: 300/MW-5

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10152654	EPA353.2	14797-55-8	06/24/10 03:05 PM
TDS	64.0	mg/L	1.00	2.50	5.00	10152808	SM2540 C	10-33-3	06/25/10
Chloride	14.8	mg/L	1.00	4.00	8.00	10152833	SM4500-CI E	16887-00-6	06/26/10
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10152952	EPA6020	7440-36-0	06/29/10
Arsenic	0.00136 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-38-2	06/29/10
Barium	0.00334 I	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7440-39-3	06/29/10
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-41-7	06/29/10
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-43-9	06/29/10
Chromium	0.00164 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-47-3	06/29/10
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-48-4	06/29/10
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-50-8	06/29/10
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7439-92-1	06/29/10
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-02-0	06/29/10
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7782-49-2	06/29/10
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-22-4	06/29/10
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-28-0	06/29/10
Vanadium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-62-2	06/29/10
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10152952	EPA6020	7440-66-6	06/29/10
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6	06/29/10
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6	06/29/10
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5	06/29/10
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5	06/29/10
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3	06/29/10
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4	06/29/10
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2	06/29/10
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5	06/29/10
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

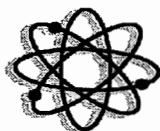
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E3S834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW1   Sampled: 06/23/10 09:18 AM   Desc: 300/MW-5

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6	06/29/10
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1	06/29/10
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1	06/29/10
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2	06/29/10
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5	06/29/10
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4	06/29/10
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2	06/29/10
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9	06/29/10
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1	06/29/10
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3	06/29/10
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4	06/29/10
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4	06/29/10
Methyl Isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2	06/29/10
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7	06/29/10
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5	06/29/10
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)  
E35B34 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

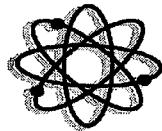
PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW1 Sampled: 06/23/10 09:18 AM Desc: 300/MW-5

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (154-260%)	101.87%		1.00	0.0100	0.0100	10152959	EPA8260		06/29/10
Surr:Toluene-d8 (179-223%)	106.33%		1.00	0.0100	0.0100	10152959	EPA8260		06/29/10
Iron	5.90	mg/L	1.00	0.0100	0.0200	10152984	EPA6010	7439-89-6	06/29/10
Sodium	4.48	mg/L	1.00	0.500	1.00	10152984	EPA6010	7440-23-5	06/29/10
Field Ground Water Elevation	80.5	ft	1.00	-10.0	-10.0	10153008	FT1000		06/23/10
Field pH (units)	5.12	pH	1.00	0.0100	0.0200	10153008	FT1100	C006	06/23/10
Field Conductivity	107	umhos/cm	1.00	0.100	0.100	10153008	FT1200		06/23/10
Field Temp. (C)	24.9	oC	1.00	0.100	0.100	10153008	FT1400		06/23/10
Field DO	0.170	mg/L	1.00	0.100	0.100	10153008	FT1500		06/23/10
Field Turbidity	2.80	NTU	1.00	0.100	0.100	10153008	FT1600		06/23/10
Ammonia (as N)	0.155	mg/L	1.00	0.0100	0.0200	10153017	EPA350.1	7664-41-7	06/30/10
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	096-18-4	07/01/10
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10153237	EPA8011	106-93-4	07/01/10
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	96-12-8	07/01/10
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	7439-97-6	07/14/10

Lab #: 126269GW2 Sampled: 06/23/10 09:51 AM Desc: 19255/MW-8

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	8.02	mg/L	1.00	0.0100	0.0200	10152654	EPA353.2	14797-55-8	06/24/10 03:08 PM
TDS	180	mg/L	1.00	2.50	5.00	10152808	SM2540 C	10-33-3	06/25/10
Chloride	11.7	mg/L	1.00	4.00	8.00	10152833	SM4500-Cl E	16887-00-6	06/26/10
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10152952	EPA6020	7440-36-0	06/29/10
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-38-2	06/29/10



# FLOWERS CHEMICAL LABORATORIES INC.

P.O. 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

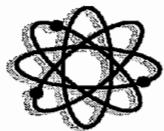
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW2 Sampled: 06/23/10 09:51 AM Desc: 19255/MW-8

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Barium	0.00631	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7440-39-3	06/29/10
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-41-7	06/29/10
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-43-9	06/29/10
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-47-3	06/29/10
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-48-4	06/29/10
Copper	0.00218	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-50-8	06/29/10
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7439-92-1	06/29/10
Nickel	0.00196 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-02-0	06/29/10
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7782-49-2	06/29/10
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-22-4	06/29/10
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-28-0	06/29/10
Vanadium	0.0196	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-62-2	06/29/10
Zinc	0.318	mg/L	1.00	0.0100	0.0200	10152952	EPA6020	7440-66-6	06/29/10
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6	06/29/10
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6	06/29/10
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5	06/29/10
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5	06/29/10
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3	06/29/10
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4	06/29/10
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2	06/29/10
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5	06/29/10
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3	06/29/10
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6	06/29/10
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1	06/29/10
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1	06/29/10
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2	06/29/10
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5	06/29/10
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4	06/29/10
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

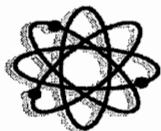
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW2 Sampled: 06/23/10 09:51 AM Desc: 19255/MW-8

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9	06/29/10
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1	06/29/10
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3	06/29/10
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4	06/29/10
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4	06/29/10
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2	06/29/10
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7	06/29/10
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5	06/29/10
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (154-260%)	102.63%		1.00	0.0100	0.0100	10152959	EPA8260		06/29/10



# 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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

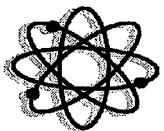
PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW2 Sampled: 06/23/10 09:51 AM Desc: 19255/MW-8

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Surr:Toluene-d8 (179-223%)	103.97%		1.00	0.0100	0.0100	10152959	EPA8260	06/29/10	
Iron	0.0365	mg/L	1.00	0.0100	0.0200	10152984	EPA6010	7439-89-6	06/29/10
Sodium	5.81	mg/L	1.00	0.500	1.00	10152984	EPA6010	7440-23-5	06/29/10
Field Ground Water Elevation	80.3	ft	1.00	-10.0	-10.0	10153008	FT1000		06/23/10
Field pH (units)	6.02	pH	1.00	0.0100	0.0200	10153008	FT1100	C006	06/23/10
Field Conductivity	298	umhos/cm	1.00	0.100	0.100	10153008	FT1200		06/23/10
Field Temp. (C)	26.7	oC	1.00	0.100	0.100	10153008	FT1400		06/23/10
Field DO	1.74	mg/L	1.00	0.100	0.100	10153008	FT1500		06/23/10
Field Turbidity	4.98	NTU	1.00	0.100	0.100	10153008	FT1600		06/23/10
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10153017	EPA350.1	7664-41-7	06/30/10
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	096-18-4	07/01/10
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10153237	EPA8011	106-93-4	07/01/10
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	96-12-8	07/01/10
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	7439-97-6	07/14/10

Lab #: 126269GW3 Sampled: 06/23/10 11:21 AM Desc: 22931/MW-12R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0600	mg/L	1.00	0.0100	0.0200	10152654	EPA353.2	14797-55-8	06/24/10 03:09 PM
TDS	144	mg/L	1.00	2.50	5.00	10152808	SM2540 C	10-33-3	06/25/10
Chloride	6.96 I	mg/L	1.00	4.00	8.00	10152833	SM4500-CI E	16887-00-6	06/26/10
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10152952	EPA6020	7440-36-0	06/29/10
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-38-2	06/29/10
Barium	0.00890	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7440-39-3	06/29/10
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-41-7	06/29/10
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-43-9	06/29/10
Chromium	0.00200	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-47-3	06/29/10
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-48-4	06/29/10
Copper	0.00194 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-50-8	06/29/10
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7439-92-1	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

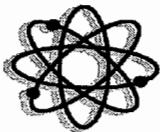
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW3 Sampled: 06/23/10 11:21 AM Desc: .22931/MW-12R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nickel	0.00120 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-02-0	06/29/10
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7782-49-2	06/29/10
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-22-4	06/29/10
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-28-0	06/29/10
Vanadium	0.00516	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-62-2	06/29/10
Zinc	0.0451	mg/L	1.00	0.0100	0.0200	10152952	EPA6020	7440-66-6	06/29/10
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6	06/29/10
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6	06/29/10
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5	06/29/10
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5	06/29/10
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3	06/29/10
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4	06/29/10
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2	06/29/10
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5	06/29/10
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3	06/29/10
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6	06/29/10
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1	06/29/10
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1	06/29/10
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2	06/29/10
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5	06/29/10
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4	06/29/10
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2	06/29/10
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9	06/29/10
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10



# 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

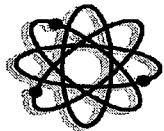
Phone: 407-339-5984 / Fax: 407-260-6110  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

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

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibromochloromethane	0.400	U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1
Dibromomethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3
Ethylbenzene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4
Methyl Iodide	1.00	U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4
Methyl isobutyl ketone	1.00	U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1
Methylene chloride	1.00	U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2
Para-dichlorobenzene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7
Styrene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5
Tetrachloroethene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4
Toluene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3
Trichloroethene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6
Trichlorofluoromethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4
Vinyl Acetate	5.00	U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4
Vinyl chloride	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4
Xylenes	1.00	U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7
cis-1,2-dichloroethene	0.200	U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2
cis-1,3-Dichloropropene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5
o-dichlorobenzene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1
trans-1,2-dichloroethene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5
trans-1,3,-Dichloropropene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6
trans-1,4-dichloro-2-butene	1.00	U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6
Surrogate: Dichloroethane-d4 (154-260%)	105.97%			1.00	0.0100	0.0100	10152959	EPA8260	06/29/10
Surrogate: Toluene-d8 (179-223%)	99.63%			1.00	0.0100	0.0100	10152959	EPA8260	06/29/10
Iron	0.0808	mg/L	1.00	0.0100	0.0200	10152984	EPA6010	7439-89-6	06/29/10
Sodium	4.44	mg/L	1.00	0.500	1.00	10152984	EPA6010	7440-23-5	06/29/10
Field Ground Water Elevation	83.1	ft	1.00	-10.0	-10.0	10153008	FT1000		06/23/10
Field pH (units)	5.95	pH	1.00	0.0100	0.0200	10153008	FT1100	C006	06/23/10
Field Conductivity	156	umhos/cm	1.00	0.100	0.100	10153008	FT1200		06/23/10
Field Temp. (C)	25.3	oC	1.00	0.100	0.100	10153008	FT1400		06/23/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

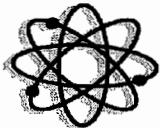
PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW3 Sampled: 06/23/10 11:21 AM Desc: 22931/MW-12R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Field DO	0.730	mg/L	1.00	0.100	0.100	10153008	FT1500		06/23/10
Field Turbidity	21.1	NTU	1.00	0.100	0.100	10153008	FT1600		06/23/10
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10153017	EPA350.1	7664-41-7	06/30/10
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	096-18-4	07/01/10
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10153237	EPA8011	106-93-4	07/01/10
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	96-12-8	07/01/10
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	7439-97-6	07/14/10

Lab #: 126269GW4 Sampled: 06/23/10 12:07 PM Desc: 21882/MW-11

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10152654	EPA353.2	14797-55-8	06/24/10 03:10 PM
TDS	30.0	mg/L	1.00	2.50	5.00	10152808	SM2540 C	10-33-3	06/25/10
Chloride	9.11	mg/L	1.00	4.00	8.00	10152833	SM4500-CI E	16887-00-6	06/26/10
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10152952	EPA6020	7440-36-0	06/29/10
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-38-2	06/29/10
Barium	0.0105	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7440-39-3	06/29/10
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-41-7	06/29/10
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-43-9	06/29/10
Chromium	0.00137 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-47-3	06/29/10
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-48-4	06/29/10
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-50-8	06/29/10
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7439-92-1	06/29/10
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-02-0	06/29/10
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7782-49-2	06/29/10
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-22-4	06/29/10
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-28-0	06/29/10
Vanadium	0.00209	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-62-2	06/29/10
Zinc	0.0143 I	mg/L	1.00	0.0100	0.0200	10152952	EPA6020	7440-66-6	06/29/10
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

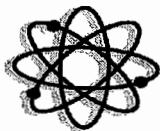
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW4   Sampled: 06/23/10 12:07 PM   Desc: 21882/MW-11

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6	06/29/10
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5	06/29/10
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5	06/29/10
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3	06/29/10
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4	06/29/10
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2	06/29/10
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5	06/29/10
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3	06/29/10
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6	06/29/10
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1	06/29/10
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1	06/29/10
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2	06/29/10
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5	06/29/10
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4	06/29/10
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2	06/29/10
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9	06/29/10
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1	06/29/10
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3	06/29/10
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4	06/29/10
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4	06/29/10
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2	06/29/10
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7	06/29/10



# 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

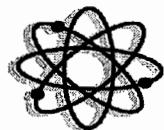
Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW4    Sampled: 06/23/10 12:07 PM    Desc: 21882/MW-11

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5	06/29/10
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (154-260%)	107.80%			1.00	0.0100	0.0100	10152959	EPA8260	06/29/10
Surr:Toluene-d8 (179-223%)	104.80%			1.00	0.0100	0.0100	10152959	EPA8260	06/29/10
Iron	0.129	mg/L	1.00	0.0100	0.0200	10152984	EPA6010	7439-89-6	06/29/10
Sodium	5.38	mg/L	1.00	0.500	1.00	10152984	EPA6010	7440-23-5	06/29/10
Field Ground Water Elevation	79.9	ft	1.00	-10.0	-10.0	10153008	FT1000		06/23/10
Field pH (units)	5.17	pH	1.00	0.0100	0.0200	10153008	FT1100	C006	06/23/10
Field Conductivity	68.0	umhos/cm	1.00	0.100	0.100	10153008	FT1200		06/23/10
Field Temp. (C)	25.0	oC	1.00	0.100	0.100	10153008	FT1400		06/23/10
Field DO	0.240	mg/L	1.00	0.100	0.100	10153008	FT1500		06/23/10
Field Turbidity	12.7	NTU	1.00	0.100	0.100	10153008	FT1600		06/23/10
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10153017	EPA350.1	7664-41-7	06/30/10
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	096-18-4	07/01/10
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10153237	EPA8011	106-93-4	07/01/10
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	96-12-8	07/01/10
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	7439-97-6	07/14/10



# 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

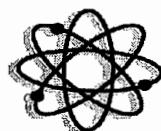
Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW5 | Sampled: 06/23/10 09:10 AM | Desc: 299/MW-4

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100	U	mg/L	1.00	0.0100	0.0200	10152654	EPA353.2	14797-55-8 06/24/10 03:11 PM
TDS	314		mg/L	1.00	2.50	5.00	10152808	SM2540 C	10-33-3 06/25/10
Chloride	16.2		mg/L	1.00	4.00	8.00	10152833	SM4500-CI E	16887-00-6 06/26/10
Antimony	0.00200	U	mg/L	1.00	0.00200	0.00800	10152952	EPA6020	7440-36-0 06/29/10
Arsenic	0.00957		mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-38-2 06/29/10
Barium	0.0161		mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7440-39-3 06/29/10
Beryllium	0.000500	U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-41-7 06/29/10
Cadmium	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-43-9 06/29/10
Chromium	0.00442		mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-47-3 06/29/10
Cobalt	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-48-4 06/29/10
Copper	0.00210		mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-50-8 06/29/10
Lead	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7439-92-1 06/29/10
Nickel	0.00327		mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-02-0 06/29/10
Selenium	0.00200	U	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7782-49-2 06/29/10
Silver	0.000500	U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-22-4 06/29/10
Thallium	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-28-0 06/29/10
Vanadium	0.0149		mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-62-2 06/29/10
Zinc	0.0100	U	mg/L	1.00	0.0100	0.0200	10152952	EPA6020	7440-66-6 06/29/10
1,1,1,2-Tetrachloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6 06/29/10
1,1,1-Trichloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6 06/29/10
1,1,2,2-Tetrachloroethane	0.100	U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5 06/29/10
1,1,2-Trichloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5 06/29/10
1,1-Dichloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3 06/29/10
1,1-Dichloroethene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4 06/29/10
1,2-dichloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2 06/29/10
1,2-dichloropropane	0.200	U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5 06/29/10
2-Butanone (MEK)	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3 06/29/10
2-Hexanone	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6 06/29/10



# 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

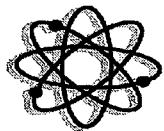
Phone: 407-339-5984 / Fax: 407-260-6110  
E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089  
E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878  
E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW5   Sampled: 06/23/10 09:10 AM   Desc: 299/MW-4

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1	06/29/10
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1	06/29/10
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2	06/29/10
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5	06/29/10
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4	06/29/10
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2	06/29/10
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9	06/29/10
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1	06/29/10
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3	06/29/10
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4	06/29/10
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4	06/29/10
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2	06/29/10
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7	06/29/10
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5	06/29/10
Tetrachloroethylene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

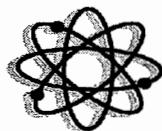
PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW5 Sampled: 06/23/10 09:10 AM Desc: 299/MW-4

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
cis-1,3-Dichloropropene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5
o-dichlorobenzene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1
trans-1,2-dichloroethene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5
trans-1,3,-Dichloropropene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6
trans-1,4-dichloro-2-butene	1.00	U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6
Surr:1,2-Dichloroethane-d4 (154-260%)	104.10%			1.00	0.0100	0.0100	10152959	EPA8260	06/29/10
Surr:Toluene-d8 (179-223%)	100.87%			1.00	0.0100	0.0100	10152959	EPA8260	06/29/10
Iron	10.5		mg/L	1.00	0.0100	0.0200	10152984	EPA6010	7439-89-6
Sodium	7.10		mg/L	1.00	0.500	1.00	10152984	EPA6010	7440-23-5
Field Ground Water Elevation	81.0		ft	1.00	-10.0	-10.0	10153008	FT1000	06/23/10
Field pH (units)	6.31		pH	1.00	0.0100	0.0200	10153008	FT1100	C006
Field Conductivity	353		umhos/cm	1.00	0.100	0.100	10153008	FT1200	06/23/10
Field Temp. (C)	23.1		oC	1.00	0.100	0.100	10153008	FT1400	06/23/10
Field DO	0.890		mg/L	1.00	0.100	0.100	10153008	FT1500	06/23/10
Field Turbidity	2.60		NTU	1.00	0.100	0.100	10153008	FT1600	06/23/10
Ammonia (as N)	0.427		mg/L	1.00	0.0100	0.0200	10153017	EPA350.1	7664-41-7
1,2,3-Trichloropropane	0.0200	U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	096-18-4
1,2-Dibromoethane (EDB)	0.0100	U	ug/L	1.00	0.0100	0.0200	10153237	EPA8011	106-93-4
1,2-dibromo-3-chloropropane	0.0200	U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	96-12-8
Mercury	0.0000200	U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	07/14/10

Lab #: 126269GW6 Sampled: 06/23/10 10:45 AM Desc: 297/MW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100	U	mg/L	1.00	0.0100	0.0200	10152654	EPA353.2	14797-55-8
TDS	400		mg/L	1.00	2.50	5.00	10152808	SM2540 C	10-33-3
Chloride	43.0		mg/L	2.00	8.00	16.0	10152833	SM4500-CI E	16887-00-6
Antimony	0.00200	U	mg/L	1.00	0.00200	0.00800	10152952	EPA6020	7440-36-0
Arsenic	0.00221		mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-38-2
Barium	0.0331		mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7440-39-3



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

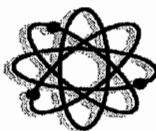
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW6 . Sampled: 06/23/10 10:45 AM Desc: 297/MW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Beryllium	0.000500	U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-41-7
Cadmium	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-43-9
Chromium	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-47-3
Cobalt	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-48-4
Copper	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-50-8
Lead	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7439-92-1
Nickel	0.00390		mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-02-0
Selenium	0.00200	U	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7782-49-2
Silver	0.000500	U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-22-4
Thallium	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-28-0
Vanadium	0.00100	U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-62-2
Zinc	0.0100	U	mg/L	1.00	0.0100	0.0200	10152952	EPA6020	7440-66-6
1,1,1,2-Tetrachloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6
1,1,1-Trichloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6
1,1,2,2-Tetrachloroethane	0.100	U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5
1,1,2-Trichloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5
1,1-Dichloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3
1,1-Dichloroethene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4
1,2-dichloroethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2
1,2-dichloropropane	0.200	U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5
2-Butanone (MEK)	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3
2-Hexanone	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6
Acetone	5.00	U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1
Acrylonitrile	0.300	U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1
Benzene	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2
Bromochloromethane	0.100	U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5
Bromodichloromethane	0.100	U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4
Bromoform	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2
Bromomethane	0.500	U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9



# 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

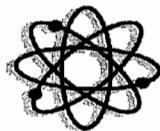
Phone: 407-339-5984 / Fax: 407-260-6110  
E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089  
E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878  
E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW6 | Sampled: 06/23/10 10:45 AM | Desc: 297/MW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10
Dibromo-chloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1	06/29/10
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3	06/29/10
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4	06/29/10
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4	06/29/10
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2	06/29/10
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7	06/29/10
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5	06/29/10
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (154-260%)	103.87%			1.00	0.0100	10152959	EPA8260		06/29/10
Surr:Toluene-d8 (179-223%)	102.07%			1.00	0.0100	10152959	EPA8260		06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

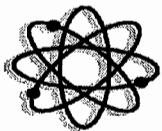
PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW6 Sampled: 06/23/10 10:45 AM Desc: 297/MW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Iron	7.25	mg/L	1.00	0.0100	0.0200	10152984	EPA6010	7439-89-6	06/29/10
Sodium	24.8	mg/L	1.00	0.500	1.00	10152984	EPA6010	7440-23-5	06/29/10
Field Ground Water Elevation	79.7	ft	1.00	-10.0	-10.0	10153008	FT1000		06/23/10
Field pH (units)	6.50	pH	1.00	0.0100	0.0200	10153008	FT1100	C006	06/23/10
Field Conductivity	584	umhos/cm	1.00	0.100	0.100	10153008	FT1200		06/23/10
Field Temp. (C)	26.6	oC	1.00	0.100	0.100	10153008	FT1400		06/23/10
Field DO	1.58	mg/L	1.00	0.100	0.100	10153008	FT1500		06/23/10
Field Turbidity	4.50	NTU	1.00	0.100	0.100	10153008	FT1600		06/23/10
Ammonia (as N)	0.210	mg/L	1.00	0.0100	0.0200	10153017	EPA350.1	7664-41-7	06/30/10
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	096-18-4	07/01/10
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10153237	EPA8011	106-93-4	07/01/10
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	96-12-8	07/01/10
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	7439-97-6	07/14/10

Lab #: 126269GW7 Sampled: 06/23/10 12:06 PM Desc: 296/MW-1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10152654	EPA353.2	14797-55-8	06/24/10 03:13 PM
TDS	438	mg/L	1.00	2.50	5.00	10152808	SM2540 C	10-33-3	06/25/10
Chloride	49.3	mg/L	1.00	4.00	8.00	10152833	SM4500-CI E	16887-00-6	06/26/10
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10152952	EPA6020	7440-36-0	06/29/10
Arsenic	0.00817	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-38-2	06/29/10
Barium	0.0163	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7440-39-3	06/29/10
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-41-7	06/29/10
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-43-9	06/29/10
Chromium	0.00688	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-47-3	06/29/10
Cobalt	0.00172 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-48-4	06/29/10
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-50-8	06/29/10
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7439-92-1	06/29/10
Nickel	0.0117	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-02-0	06/29/10



# 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

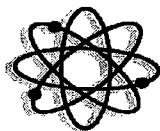
Phone: 407-339-5984 / Fax: 407-260-6110  
E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089  
E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878  
E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW7 Sampled: 06/23/10 12:06 PM Desc: 296/MW-1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7782-49-2	06/29/10
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-22-4	06/29/10
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-28-0	06/29/10
Vanadium	0.0602	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-62-2	06/29/10
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10152952	EPA6020	7440-66-6	06/29/10
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6	06/29/10
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6	06/29/10
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5	06/29/10
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5	06/29/10
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3	06/29/10
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4	06/29/10
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2	06/29/10
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5	06/29/10
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3	06/29/10
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6	06/29/10
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1	06/29/10
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1	06/29/10
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2	06/29/10
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5	06/29/10
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4	06/29/10
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2	06/29/10
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9	06/29/10
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

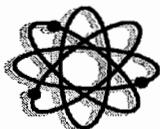
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW7   Sampled: 06/23/10 12:06 PM   Desc: 296/MW-1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3	06/29/10
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4	06/29/10
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4	06/29/10
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2	06/29/10
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7	06/29/10
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5	06/29/10
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4	06/29/10
Toluene	0.830 I	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (154-260%)	106.77%		1.00	0.0100	0.0100	10152959	EPA8260		06/29/10
Surr:Toluene-d8 (179-223%)	103.50%		1.00	0.0100	0.0100	10152959	EPA8260		06/29/10
Iron	12.0	mg/L	1.00	0.0100	0.0200	10152984	EPA6010	7439-89-6	06/29/10
Sodium	16.5	mg/L	1.00	0.500	1.00	10152984	EPA6010	7440-23-5	06/29/10
Field Ground Water Elevation	82.7	ft	1.00	-10.0	-10.0	10153008	FT1000		06/23/10
Field pH (units)	4.70	pH	1.00	0.0100	0.0200	10153008	FT1100	C006	06/23/10
Field Conductivity	239	umhos/cm	1.00	0.100	0.100	10153008	FT1200		06/23/10
Field Temp. (C)	24.5	oC	1.00	0.100	0.100	10153008	FT1400		06/23/10
Field DO	5.90	mg/L	1.00	0.100	0.100	10153008	FT1500		06/23/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

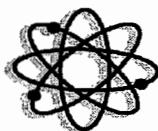
PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW7 Sampled: 06/23/10 12:06 PM Desc: 296/MW-1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Field Turbidity	7.40	NTU	1.00	0.100	0.100	10153008	FT1600		06/23/10
Ammonia (as N)	0.145	mg/L	1.00	0.0100	0.0200	10153017	EPA350.1	7664-41-7	06/30/10
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	096-18-4	07/01/10
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10153237	EPA8011	106-93-4	07/01/10
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	96-12-8	07/01/10
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	7439-97-6	07/14/10

Lab #: 126269GW8 Sampled: 06/23/10 12:45 PM Desc: 22930/MW-10R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10152654	EPA353.2	14797-55-8	06/24/10 03:14 PM
TDS	62.0	mg/L	1.00	2.50	5.00	10152808	SM2540 C	10-33-3	06/25/10
Chloride	8.73	mg/L	1.00	4.00	8.00	10152833	SM4500-CI E	16887-00-6	06/26/10
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10152952	EPA6020	7440-36-0	06/29/10
Arsenic	0.00210	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-38-2	06/29/10
Barium	0.00443	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7440-39-3	06/29/10
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-41-7	06/29/10
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-43-9	06/29/10
Chromium	0.00139 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-47-3	06/29/10
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-48-4	06/29/10
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-50-8	06/29/10
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7439-92-1	06/29/10
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-02-0	06/29/10
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10152952	EPA6020	7782-49-2	06/29/10
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10152952	EPA6020	7440-22-4	06/29/10
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-28-0	06/29/10
Vanadium	0.00127 I	mg/L	1.00	0.00100	0.00200	10152952	EPA6020	7440-62-2	06/29/10
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10152952	EPA6020	7440-66-6	06/29/10
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6	06/29/10
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #:	126269GW8	Sampled:	06/23/10 12:45 PM	Desc:	22930/MW-10R	QC Batch	Method	CAS #	Analyzed	
Parameter		Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5	06/29/10	
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5	06/29/10	
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3	06/29/10	
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4	06/29/10	
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2	06/29/10	
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5	06/29/10	
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3	06/29/10	
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6	06/29/10	
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1	06/29/10	
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1	06/29/10	
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2	06/29/10	
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5	06/29/10	
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4	06/29/10	
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2	06/29/10	
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9	06/29/10	
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10	
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10	
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10	
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10	
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10	
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10	
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1	06/29/10	
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3	06/29/10	
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4	06/29/10	
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4	06/29/10	
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1	06/29/10	
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2	06/29/10	
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7	06/29/10	
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5	06/29/10	



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

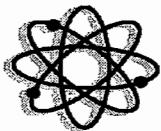
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW8. Sampled: 06/23/10 12:45 PM Desc: 22930/MW-10R

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (154-260%)	103.80%		1.00	0.0100	0.0100	10152959	EPA8260		06/29/10
Surr:Toluene-d8 (179-223%)	102.53%		1.00	0.0100	0.0100	10152959	EPA8260		06/29/10
Iron	6.23	mg/L	1.00	0.0100	0.0200	10152984	EPA6010	7439-89-6	06/29/10
Sodium	8.35	mg/L	1.00	0.500	1.00	10152984	EPA6010	7440-23-5	06/29/10
Field Ground Water Elevation	79.9	ft	1.00	-10.0	-10.0	10153008	FT1000		06/23/10
Field pH (units)	4.97	pH	1.00	0.0100	0.0200	10153008	FT1100	C006	06/23/10
Field Conductivity	123	umhos/cm	1.00	0.100	0.100	10153008	FT1200		06/23/10
Field Temp. (C)	26.0	oC	1.00	0.100	0.100	10153008	FT1400		06/23/10
Field DO	0.850	mg/L	1.00	0.100	0.100	10153008	FT1500		06/23/10
Field Turbidity	2.30	NTU	1.00	0.100	0.100	10153008	FT1600		06/23/10
Ammonia (as N)	0.0350	mg/L	1.00	0.0100	0.0200	10153017	EPA350.1	7664-41-7	06/30/10
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	096-18-4	07/01/10
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10153237	EPA8011	106-93-4	07/01/10
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10153237	EPA8011	96-12-8	07/01/10
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	7439-97-6	07/14/10



# 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

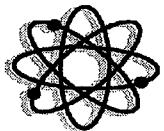
Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW9   Sampled: 06/23/10 12:00 AM   Desc: Trip blank

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	630-20-6	06/29/10
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-55-6	06/29/10
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	79-34-5	06/29/10
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-00-5	06/29/10
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-34-3	06/29/10
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-35-4	06/29/10
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	107-06-2	06/29/10
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	78-87-5	06/29/10
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	78-93-3	06/29/10
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	591-78-6	06/29/10
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	67-64-1	06/29/10
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152959	EPA8260	107-13-1	06/29/10
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	71-43-2	06/29/10
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152959	EPA8260	074-97-5	06/29/10
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152959	EPA8260	75-27-4	06/29/10
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-25-2	06/29/10
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-83-9	06/29/10
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	74-87-3	06/29/10
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152959	EPA8260	124-48-1	06/29/10
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	074-95-3	06/29/10
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-41-4	06/29/10
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	074-88-4	06/29/10
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	75-09-2	06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

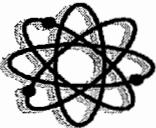
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Lab #: 126269GW9, Sampled: 06/23/10 12:00 AM, Desc: Trip blank

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	106-46-7	06/29/10
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	100-42-5	06/29/10
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152959	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152959	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152959	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152959	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (154-260%)	106.83%			1.00	0.0100	0.0100	10152959	EPA8260	06/29/10
Surr:Bromofluorobenzene (102-287%)	87.33%			1.00	1.00	1.00	10152959	EPA8260	460-00-4
Surr:Toluene-d8 (179-223%)	103.43%			1.00	0.0100	0.0100	10152959	EPA8260	06/29/10



**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**  
**Phone: 772-343-8006 / Fax: 772-343-8089**  
**Phone: 850-973-6878 / Fax: 850-973-6878**  
**Phone: 305-743-8598 / Fax: 305-743-8598**

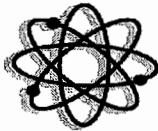
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

## **Quality Report**

Quality Control Batch: 10152654		Analyst: PCW					
Blank	Result	Units					
Nitrate(as N)	0.0100U	mg/L					
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim		
Nitrate(as N)	2.09	mg/L	2.00	104.50	80.00-120.00		
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	
Nitrate(as N)	3.91	mg/L	4.00	99.11	80.00-120.00	-0.0543	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD
Nitrate(as N)	3.92	mg/L	4.00	99.36	80.00-120.00	-0.0543	0.26
Quality Control Batch: 10152808		Analyst: BHM					
Blank	Result	Units					
TDS	2.50U	mg/L					
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim		
TDS	1420	mg/L	1500	94.53	91.15-105.70		
Quality Control Batch: 10152833		Analyst: VLB					
Blank	Result	Units					
Chloride	4.00U	mg/L					
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim		
Chloride	50.4	mg/L	50.0	100.84	80.00-120.00		
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	



# 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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10152833**

Matrix Spike  
Chloride

**Analyst: VLB**

	Result	Units	Spike	%REC	%REC Lim	Sample
Chloride	57.5	mg/L	50.0	106.25	80.00-120.00	4.38

**Quality Control Batch: 10152952**

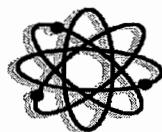
Blank  
Antimony  
Arsenic  
Barium  
Beryllium  
Cadmium  
Chromium  
Cobalt  
Copper  
Lead  
Nickel  
Selenium  
Silver  
Thallium  
Vanadium  
Zinc

**Analyst: EVB**

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

**Laboratory Control Sample**

	Result	Units	Spike	%REC	%REC Lim
Antimony	0.194	mg/L	0.200	97.07	76.70-120.39
Arsenic	0.188	mg/L	0.200	93.85	81.09-119.32
Barium	0.194	mg/L	0.200	97.04	84.59-125.11
Beryllium	0.205	mg/L	0.200	102.59	85.69-132.22
Cadmium	0.187	mg/L	0.200	93.60	84.66-121.81
Chromium	0.186	mg/L	0.200	92.98	87.00-122.96
Cobalt	0.189	mg/L	0.200	94.50	78.66-126.98



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10152952**

**Analyst: EVB**

**Laboratory Control Sample**

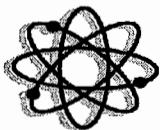
	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
Copper	0.181	mg/L	0.200	90.60	84.08-122.69
Lead	0.191	mg/L	0.200	95.53	86.91-124.18
Nickel	0.182	mg/L	0.200	90.87	77.31-126.31
Selenium	0.181	mg/L	0.200	90.25	75.98-121.42
Silver	0.194	mg/L	0.200	96.76	79.76-119.92
Thallium	0.193	mg/L	0.200	96.25	80.95-125.84
Vanadium	0.181	mg/L	0.200	90.66	78.51-125.51
Zinc	0.181	mg/L	0.200	90.36	79.82-122.80

**Matrix Spike**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>
Antimony	0.156	mg/L	0.200	78.09	73.48-142.27	0.00200U
Arsenic	0.145	mg/L	0.200	71.73	73.05-140.45	0.00185
Barium	0.171	mg/L	0.200	81.04	70.68-156.87	0.00872
Beryllium	0.196	mg/L	0.200	97.83	89.27-154.67	0.000500U
Cadmium	0.160	mg/L	0.200	79.83	76.87-137.80	0.00100U
Chromium	0.176	mg/L	0.200	87.63	67.91-144.29	0.00122
Cobalt	0.169	mg/L	0.200	84.68	68.92-150.01	0.00100U
Copper	0.157	mg/L	0.200	78.30	57.64-148.77	0.00100U
Lead	0.155	mg/L	0.200	77.50	69.09-150.83	0.00100U
Nickel	0.165	mg/L	0.200	81.11	58.01-145.27	0.00282
Selenium	0.145	mg/L	0.200	72.43	63.72-144.34	0.00200U
Silver	0.166	mg/L	0.200	83.14	48.94-146.79	0.000500U
Thallium	0.147	mg/L	0.200	73.74	68.93-151.79	0.00100U
Vanadium	0.178	mg/L	0.200	88.35	72.08-149.74	0.00139
Zinc	0.148	mg/L	0.200	73.95	51.79-149.89	0.0100U

**Matrix Spike Duplicate**

	<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>
Antimony	0.153	mg/L	0.200	76.53	73.48-142.27	0.00200U	2.03	23.91
Arsenic	0.145	mg/L	0.200	71.60	73.05-140.45	0.00185	0.18	26.42



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

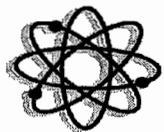
PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10152952****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>
Barium		0.167	mg/L	0.200	79.08	70.68-156.87	0.00872	2.31	20.91
Beryllium		0.203	mg/L	0.200	101.41	89.27-154.67	0.000500U	3.59	22.45
Cadmium		0.159	mg/L	0.200	79.48	76.87-137.80	0.00100U	0.45	24.42
Chromium		0.169	mg/L	0.200	83.73	67.91-144.29	0.00122	4.52	26.93
Cobalt		0.163	mg/L	0.200	81.72	68.92-150.01	0.00100U	3.56	20.94
Copper		0.150	mg/L	0.200	74.88	57.64-148.77	0.00100U	4.47	26.04
Lead		0.153	mg/L	0.200	76.35	69.09-150.83	0.00100U	1.50	26.35
Nickel		0.160	mg/L	0.200	78.50	58.01-145.27	0.00282	3.21	25.87
Selenium		0.138	mg/L	0.200	68.99	63.72-144.34	0.00200U	4.85	23.19
Silver		0.163	mg/L	0.200	81.53	48.94-146.79	0.000500U	1.97	25.78
Thallium		0.147	mg/L	0.200	73.35	68.93-151.79	0.00100U	0.53	22.45
Vanadium		0.169	mg/L	0.200	83.79	72.08-149.74	0.00139	5.26	21.04
Zinc		0.144	mg/L	0.200	72.23	51.79-149.89	0.0100U	2.35	25.51

**Quality Control Batch: 10152959****Blank**

	<b>Analyst: CLS</b>	<b>Result</b>	<b>Units</b>
Acetone		5.00U	ug/L
Acrylonitrile		0.300U	ug/L
Benzene		0.500U	ug/L
Bromochloromethane		0.100U	ug/L
Bromodichloromethane		0.100U	ug/L
Bromoform		0.500U	ug/L
Bromomethane		0.500U	ug/L
Carbon Disulfide		1.00U	ug/L
Carbon Tetrachloride		0.500U	ug/L
Chlorobenzene		0.500U	ug/L
Chloroethane		0.500U	ug/L
Chloroform		0.500U	ug/L
Chloromethane		0.500U	ug/L



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

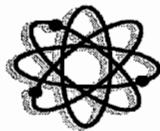
PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10152959**

**Analyst: CLS**

	<b>Result</b>	<b>Units</b>
Blank		
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
Dibromochloromethane	0.400U	ug/L
Dibromomethane	0.500U	ug/L
Ethylbenzene	0.500U	ug/L
Methyl Iodide	1.00U	ug/L
Methyl isobutyl ketone	1.00U	ug/L
Methylene chloride	1.00U	ug/L
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



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

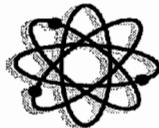
**Quality Control Batch:** 10152959

**Analyst:** CLS

Blank	Result	Units
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	26.2	ug/L
Surr:Toluene-d8	31.2	ug/L
Surr:1,2-Dichloroethane-d4	29.5	ug/L

**Laboratory Control Sample**

	Result	Units	Spike	%REC	%REC Lim
Acetone	9.33	ug/L	10.0	93.30	38.88-162.52
Acrylonitrile	9.27	ug/L	10.0	92.70	40.32-146.67
Benzene	9.49	ug/L	10.0	94.90	69.86-134.08
Bromochloromethane	9.01	ug/L	10.0	90.10	73.37-125.03
Bromodichloromethane	9.00	ug/L	10.0	90.00	73.69-129.06
Bromoform	7.92	ug/L	10.0	79.20	66.50-120.60
Bromomethane	11.0	ug/L	10.0	110.10	52.06-149.03
Carbon Disulfide	11.8	ug/L	10.0	118.40	72.42-160.65
Carbon Tetrachloride	9.33	ug/L	10.0	93.30	69.24-130.87
Chlorobenzene	9.20	ug/L	10.0	92.00	76.12-122.63
Chloroethane	9.98	ug/L	10.0	99.80	54.48-148.84
Chloroform	9.26	ug/L	10.0	92.60	70.86-132.14
Chloromethane	9.27	ug/L	10.0	92.70	53.66-151.98
cis-1,2-dichloroethene	8.68	ug/L	10.0	86.80	72.17-127.13
cis-1,3-Dichloropropene	8.85	ug/L	10.0	88.50	72.26-128.63
Dibromochloromethane	9.06	ug/L	10.0	90.60	72.48-118.93
Ethylbenzene	8.89	ug/L	10.0	88.90	70.56-124.95
Methyl Iodide	9.97	ug/L	10.0	99.70	55.71-163.66
Methyl isobutyl ketone	8.98	ug/L	10.0	89.80	50.12-132.13
Methylene chloride	10.3	ug/L	10.0	103.10	40.69-151.61
o-dichlorobenzene	9.21	ug/L	10.0	92.10	59.80-127.24
Para-dichlorobenzene	9.07	ug/L	10.0	90.70	59.80-127.16



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10152959**

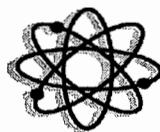
**Analyst: CLS**

**Laboratory Control Sample**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
Styrene	8.51	ug/L	10.0	85.10	64.43-121.79
Tetrachloroethene	8.81	ug/L	10.0	88.10	49.80-173.40
Toluene	9.21	ug/L	10.0	92.10	75.34-126.10
trans-1,2-dichloroethene	9.54	ug/L	10.0	95.40	69.34-133.94
trans-1,3,-Dichloropropene	9.03	ug/L	10.0	90.30	69.36-124.24
Trichloroethene	9.15	ug/L	10.0	91.50	70.68-139.87
Trichlorofluoromethane	9.11	ug/L	10.0	91.10	44.99-156.60
Vinyl chloride	10.3	ug/L	10.0	102.80	56.53-148.31
Xylenes	26.8	ug/L	30.0	89.23	70.92-123.99
1,1,1,2-Tetrachloroethane	9.22	ug/L	10.0	92.20	72.36-126.72
1,1,1-Trichloroethane	9.40	ug/L	10.0	94.00	72.34-131.71
1,1,2,2-Tetrachloroethane	8.97	ug/L	10.0	89.70	73.03-130.21
1,1,2-Trichloroethane	8.99	ug/L	10.0	89.90	78.01-120.70
1,1-Dichloroethane	9.34	ug/L	10.0	93.40	68.89-133.90
1,1-Dichloroethene	9.68	ug/L	10.0	96.80	57.83-149.70
1,2-dichloroethane	9.18	ug/L	10.0	91.80	71.63-130.49
1,2-dichloropropane	9.15	ug/L	10.0	91.50	72.07-128.11
2-Butanone (MEK)	9.24	ug/L	10.0	92.40	59.03-164.47
2-Hexanone	8.67	ug/L	10.0	86.70	60.06-141.22
Surr:Bromofluorobenzene	29.4	ug/L	30.0	97.93	82.78-122.32
Surr:Toluene-d8	29.8	ug/L	30.0	99.17	88.96-111.11
Surr:1,2-Dichloroethane-d4	30.0	ug/L	30.0	99.93	77.68-129.99

**Matrix Spike**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>
Acetone	8.60	ug/L	20.0	43.00	46.01-156.32	5.00U
Acrylonitrile	17.7	ug/L	20.0	88.65	43.40-147.39	0.300U
Benzene	20.0	ug/L	20.0	99.75	74.48-134.24	0.500U
Bromochloromethane	18.5	ug/L	20.0	92.45	73.98-126.75	0.100U
Bromodichloromethane	19.2	ug/L	20.0	95.90	74.51-131.60	0.100U



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

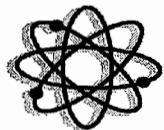
PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch:** 10152959

**Analyst:** CLS

Matrix Spike	Result	Units	Spike	%REC	%REC LIm	Sample
Bromoform	18.0	ug/L	20.0	89.85	65.77-126.66	0.500U
Bromomethane	23.6	ug/L	20.0	118.15	45.79-154.07	0.500U
Carbon Tetrachloride	19.7	ug/L	20.0	98.65	69.71-134.11	0.500U
Chlorobenzene	19.0	ug/L	20.0	94.85	78.18-124.63	0.500U
Chloroethane	20.1	ug/L	20.0	100.60	57.96-148.61	0.500U
Chloroform	19.1	ug/L	20.0	95.65	67.52-139.02	0.500U
Chloromethane	19.9	ug/L	20.0	99.45	51.30-156.78	0.500U
cis-1,2-dichloroethene	18.6	ug/L	20.0	92.90	76.64-126.84	0.200U
cis-1,3-Dichloropropene	19.6	ug/L	20.0	98.10	67.26-137.96	0.500U
Dibromochloromethane	19.2	ug/L	20.0	96.20	73.00-123.23	0.400U
Ethylbenzene	19.5	ug/L	20.0	97.60	73.91-128.64	0.500U
Methyl Iodide	8.02	ug/L	20.0	40.10	54.23-165.25	1.00U
Methyl isobutyl ketone	19.4	ug/L	20.0	97.15	57.64-133.07	1.00U
Methylene chloride	19.1	ug/L	20.0	95.25	50.29-142.90	1.00U
o-dichlorobenzene	18.2	ug/L	20.0	91.10	71.04-127.37	0.500U
Para-dichlorobenzene	18.5	ug/L	20.0	92.65	70.44-126.55	0.500U
Styrene	18.4	ug/L	20.0	91.95	68.01-124.71	0.500U
Tetrachloroethene	20.7	ug/L	20.0	103.40	49.77-180.05	0.500U
Toluene	20.1	ug/L	20.0	100.60	77.67-128.73	0.500U
trans-1,2-dichloroethene	20.1	ug/L	20.0	100.50	71.14-135.42	0.500U
trans-1,3,-Dichloropropene	19.2	ug/L	20.0	95.95	68.77-131.64	0.500U
Trichloroethene	20.3	ug/L	20.0	101.55	77.68-135.38	0.500U
Trichlorofluoromethane	19.0	ug/L	20.0	95.15	48.94-159.62	0.500U
Vinyl chloride	21.6	ug/L	20.0	108.20	56.51-147.62	0.500U
Xylenes	56.4	ug/L	60.0	93.93	74.03-127.32	1.00U
1,1,1,2-Tetrachloroethane	18.5	ug/L	20.0	92.70	74.08-128.41	0.500U
1,1,1-Trichloroethane	19.7	ug/L	20.0	98.25	74.12-134.44	0.500U
1,1,2,2-Tetrachloroethane	18.1	ug/L	20.0	90.30	70.96-136.31	0.100U
1,1,2-Trichloroethane	18.6	ug/L	20.0	93.20	78.08-124.41	0.500U



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

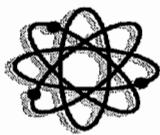
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10152959**      **Analyst: CLS**

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
1,1-Dichloroethane	19.2	ug/L	20.0	96.05	72.78-134.55	0.500U		
1,1-Dichloroethene	7.76	ug/L	20.0	38.80	58.40-151.32	0.500U		
1,2-dichloroethane	18.7	ug/L	20.0	93.70	71.53-134.48	0.500U		
1,2-dichloropropane	19.6	ug/L	20.0	98.15	74.50-129.66	0.200U		
2-Butanone (MEK)	20.5	ug/L	20.0	102.70	64.53-153.74	0.500U		
2-Hexanone	20.9	ug/L	20.0	104.55	62.58-147.29	0.500U		
Surr:Bromofluorobenzene	29.1	ug/L	30.0	96.87	53.82-151.16			
Surr:Toluene-d8	30.7	ug/L	30.0	102.17	88.05-109.81			
Surr:1,2-Dichloroethane-d4	29.5	ug/L	30.0	98.37	75.07-126.19			
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	6.02	ug/L	20.0	30.10	46.01-156.32	5.00U	35.29	38.47
Acrylonitrile	21.6	ug/L	20.0	108.10	43.40-147.39	0.300U	19.77	24.85
Benzene	22.9	ug/L	20.0	114.65	74.48-134.24	0.500U	13.90	18.98
Bromochloromethane	21.9	ug/L	20.0	109.65	73.98-126.75	0.100U	17.02	15.45
Bromodichloromethane	22.0	ug/L	20.0	110.00	74.51-131.60	0.100U	13.70	14.47
Bromoform	22.3	ug/L	20.0	111.25	65.77-126.66	0.500U	21.28	18.89
Bromomethane	28.1	ug/L	20.0	140.55	45.79-154.07	0.500U	17.32	22.97
Carbon Tetrachloride	22.7	ug/L	20.0	113.50	69.71-134.11	0.500U	14.00	18.68
Chlorobenzene	21.9	ug/L	20.0	109.60	78.18-124.63	0.500U	14.43	17.54
Chloroethane	24.7	ug/L	20.0	123.60	57.96-148.61	0.500U	20.52	24.25
Chloroform	22.0	ug/L	20.0	110.00	67.52-139.02	0.500U	13.96	17.36
Chloromethane	22.1	ug/L	20.0	110.50	51.30-156.78	0.500U	10.53	24.58
cis-1,2-dichloroethene	21.5	ug/L	20.0	107.50	76.64-126.84	0.200U	14.57	19.01
cis-1,3-Dichloropropene	23.0	ug/L	20.0	115.00	67.26-137.96	0.500U	15.86	17.79
Dibromochloromethane	22.9	ug/L	20.0	114.35	73.00-123.23	0.400U	17.24	17.16
Ethylbenzene	22.6	ug/L	20.0	112.75	73.91-128.64	0.500U	14.40	17.78
Methyl Iodide	24.9	ug/L	20.0	124.55	54.23-165.25	1.00U	102.58	24.15
Methyl isobutyl ketone	24.5	ug/L	20.0	122.45	57.64-133.07	1.00U	23.04	23.20



# 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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10152959**

**Analyst: CLS**

**Matrix Spike Duplicate**

Methylene chloride  
o-dichlorobenzene  
Para-dichlorobenzene  
Styrene  
Tetrachloroethene  
Toluene  
trans-1,2-dichloroethene  
trans-1,3,-Dichloropropene  
Trichloroethene  
Trichlorofluoromethane  
Vinyl chloride  
Xylenes  
1,1,1,2-Tetrachloroethane  
1,1,1-Trichloroethane  
1,1,2,2-Tetrachloroethane  
1,1,2-Trichloroethane  
1,1-Dichloroethane  
1,1-Dichloroethene  
1,2-dichloroethane  
1,2-dichloropropane  
2-Butanone (MEK)  
2-Hexanone  
Surr:Bromofluorobenzene  
Surr:Toluene-d8  
Surr:1,2-Dichloroethane-d4

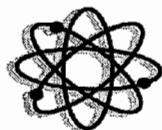
	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Methylene chloride	21.3	ug/L	20.0	106.25	50.29-142.90	1.00U	10.92	22.29
o-dichlorobenzene	21.3	ug/L	20.0	106.35	71.04-127.37	0.500U	15.45	17.00
Para-dichlorobenzene	21.2	ug/L	20.0	106.05	70.44-126.55	0.500U	13.49	14.84
Styrene	21.5	ug/L	20.0	107.40	68.01-124.71	0.500U	15.50	17.03
Tetrachloroethene	23.4	ug/L	20.0	116.75	49.77-180.05	0.500U	12.13	27.05
Toluene	23.3	ug/L	20.0	116.35	77.67-128.73	0.500U	14.52	18.11
trans-1,2-dichloroethene	23.3	ug/L	20.0	116.70	71.14-135.42	0.500U	14.92	19.23
trans-1,3,-Dichloropropene	22.7	ug/L	20.0	113.60	68.77-131.64	0.500U	16.85	17.05
Trichloroethene	23.3	ug/L	20.0	116.45	77.68-135.38	0.500U	13.67	16.98
Trichlorofluoromethane	21.6	ug/L	20.0	108.05	48.94-159.62	0.500U	12.70	24.90
Vinyl chloride	24.6	ug/L	20.0	123.00	56.51-147.62	0.500U	12.80	21.53
Xylenes	65.4	ug/L	60.0	108.93	74.03-127.32	1.00U	14.79	18.64
1,1,1,2-Tetrachloroethane	22.2	ug/L	20.0	111.00	74.08-128.41	0.500U	17.97	18.35
1,1,1-Trichloroethane	22.9	ug/L	20.0	114.25	74.12-134.44	0.500U	15.06	19.03
1,1,2,2-Tetrachloroethane	21.9	ug/L	20.0	109.50	70.96-136.31	0.100U	19.22	18.50
1,1,2-Trichloroethane	22.4	ug/L	20.0	111.95	78.08-124.41	0.500U	18.28	15.94
1,1-Dichloroethane	22.2	ug/L	20.0	111.10	72.78-134.55	0.500U	14.53	16.44
1,1-Dichloroethene	9.15	ug/L	20.0	45.75	58.40-151.32	0.500U	16.44	23.15
1,2-dichloroethane	22.1	ug/L	20.0	110.65	71.53-134.48	0.500U	16.59	15.32
1,2-dichloropropane	22.9	ug/L	20.0	114.30	74.50-129.66	0.200U	15.20	16.56
2-Butanone (MEK)	23.7	ug/L	20.0	118.70	64.53-153.74	0.500U	14.45	32.53
2-Hexanone	25.2	ug/L	20.0	126.15	62.58-147.29	0.500U	18.73	25.26
Surr:Bromofluorobenzene	29.2	ug/L	30.0	97.37	53.82-151.16		0.51	13.51
Surr:Toluene-d8	30.9	ug/L	30.0	103.07	88.05-109.81		0.88	7.44
Surr:1,2-Dichloroethane-d4	29.5	ug/L	30.0	98.20	75.07-126.19		0.17	8.75

**Quality Control Batch: 10152984**

**Analyst: EVB**

**Blank**  
Iron

**Result**      **Units**  
0.0100U      mg/L



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

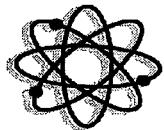
PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10152984**

	Analyst:	EVB							
	Result	Units							
Blank									
Sodium	0.500U	mg/L							
<b>Laboratory Control Sample</b>									
Iron	4.87	mg/L	5.00	97.34	81.21-113.54				
Sodium	5.07	mg/L	5.00	101.31	78.62-112.15				
<b>Matrix Spike</b>									
Iron	4.85	mg/L	5.00	96.51	57.02-147.60	0.0260			
Sodium	100	mg/L	5.00	98.23	37.63-161.64	95.4			
<b>Matrix Spike Duplicate</b>									
Iron	4.80	mg/L	5.00	95.41	57.02-147.60	0.0260	1.14	19.53	
Sodium	101	mg/L	5.00	106.29	37.63-161.64	95.4	0.40	19.20	

**Quality Control Batch: 10153017**

	Analyst:	PCW							
	Result	Units							
Blank									
Ammonia (as N)	0.0100U	mg/L							
<b>Laboratory Control Sample</b>									
Ammonia (as N)	0.382	mg/L	0.390	97.95	81.98-117.44				
<b>Matrix Spike</b>									
Ammonia (as N)	1.26	mg/L	0.780	92.44	48.79-135.13	0.539			
<b>Matrix Spike Duplicate</b>									
Ammonia (as N)	1.23	mg/L	0.780	88.59	48.79-135.13	0.539	2.41	14.25	



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

**Quality Control Batch: 10153237**

**Analyst: DLJ**

**Blank**

	<b>Result</b>	<b>Units</b>
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**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
1,2,3-Trichloropropane	0.742	ug/L	0.750	98.93	80.00-120.00
1,2-Dibromoethane (EDB)	0.793	ug/L	0.750	105.76	71.37-128.24
1,2-dibromo-3-chloropropane	0.835	ug/L	0.750	111.39	56.44-144.91

**Matrix Spike**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>
1,2,3-Trichloropropane	0.620	ug/L	0.750	82.61	80.00-120.00	0.0200U
1,2-Dibromoethane (EDB)	0.675	ug/L	0.750	90.07	68.22-125.80	0.0100U
1,2-dibromo-3-chloropropane	0.838	ug/L	0.750	111.73	60.03-124.62	0.0200U

**Matrix Spike Duplicate**

	<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>
1,2,3-Trichloropropane	0.638	ug/L	0.750	85.01	80.00-120.00	0.0200U	2.86	20.00
1,2-Dibromoethane (EDB)	0.671	ug/L	0.750	89.45	68.22-125.80	0.0100U	0.69	16.28
1,2-dibromo-3-chloropropane	0.836	ug/L	0.750	111.46	60.03-124.62	0.0200U	0.24	10.23

**Quality Control Batch: 10153439**

**Analyst: EVB**

**Blank**

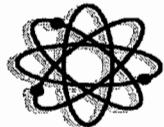
	<b>Result</b>	<b>Units</b>
Mercury	0.0000200U	mg/L

**Laboratory Control Sample**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
Mercury	0.00209	mg/L	0.00200	104.65	90.27-115.31

**Matrix Spike**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>
Mercury	0.00291	mg/L	0.00300	97.04	81.00-122.08	0.0000200U



## 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

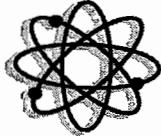
Phone: 407-339-5984 / Fax: 407-260-6110  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

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

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00291	mg/L	0.00300	97.04	81.00-122.08	0.0000200U	0.00	8.88



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee County Regional Landfill  
Date Sampled: Jun 23, 2010  
Jul 14, 2010; Invoice: 126269

## Narrative Report

### Sample Handling

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

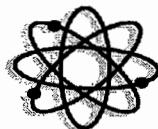
### Quality Control

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

### Attachments

Chain of Custody  
Field Data

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



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

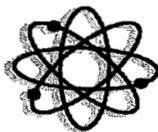
E83018 (Main Lab)  
E86562 (South Lab)  
E82405 (North Lab)  
E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Lab #: 126118SW1 Sampled: 06/22/10 10:45 AM Desc: 21062/SW-2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	074-88-4	06/29/10
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	75-09-2	06/29/10
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	106-46-7	06/29/10
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	100-42-5	06/29/10
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152956	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152956	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (165-247%)	106.37%		1.00	0.0100	0.0100	10152956	EPA8260		06/29/10
Surr:Toluene-d8 (162-244%)	103.73%		1.00	0.0100	0.0100	10152956	EPA8260		06/29/10
Total Phosphorous(as P)	1.11	mg/L	1.00	0.0400	0.0800	10152963	EPA365.4	7723-14-0	06/25/10
TKN(as N)	1.94	mg/L	1.00	0.200	0.400	10152966	EPA351.2	7727-37-9	06/25/10
Iron	0.138	mg/L	1.00	0.0100	0.0200	10152975	EPA200.7	7439-89-6	06/29/10
Total Hardness (as CaCO3)	132	mg/L	1.00	0.100	0.200	10152978	SM2340 B	40-11-9	06/29/10
Chlorophyll a	18.7	mg/m3	1.00	1.00	2.00	10153269	SM10200 H	479-61-8	06/17/10
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10153439	EPA7470	7439-97-6	07/14/10
Phenolics	0.00500 U	mg/L	1.00	0.00500	0.0100	10153570	EPA420.1	E749630	07/08/10



# 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

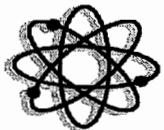
Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Lab #: 126118SW2    Sampled: 06/22/10 12:00 AM    Desc: Trip blk.

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	630-20-6	06/29/10
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	71-55-6	06/29/10
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10152956	EPA8260	79-34-5	06/29/10
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	79-00-5	06/29/10
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	75-34-3	06/29/10
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	75-35-4	06/29/10
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	107-06-2	06/29/10
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10152956	EPA8260	78-87-5	06/29/10
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	78-93-3	06/29/10
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	591-78-6	06/29/10
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10152956	EPA8260	67-64-1	06/29/10
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10152956	EPA8260	107-13-1	06/29/10
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	71-43-2	06/29/10
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10152956	EPA8260	074-97-5	06/29/10
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10152956	EPA8260	75-27-4	06/29/10
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	75-25-2	06/29/10
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	74-83-9	06/29/10
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	75-15-0	06/29/10
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	56-23-5	06/29/10
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	108-90-7	06/29/10
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	75-00-3	06/29/10
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	67-66-3	06/29/10
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	74-87-3	06/29/10
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10152956	EPA8260	124-48-1	06/29/10
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	074-95-3	06/29/10
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	100-41-4	06/29/10
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	074-88-4	06/29/10
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	108-10-1	06/29/10
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	75-09-2	06/29/10



# 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

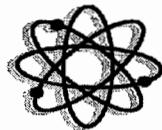
Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)  
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)  
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Lab #: 126118SW2 Sampled: 06/22/10 12:00 AM Desc: Trip blk.

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	106-46-7	06/29/10
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	100-42-5	06/29/10
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	127-18-4	06/29/10
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	108-88-3	06/29/10
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	79-01-6	06/29/10
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	75-69-4	06/29/10
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10152956	EPA8260	108-05-4	06/29/10
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	75-01-4	06/29/10
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	1330-20-7	06/29/10
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10152956	EPA8260	156-59-2	06/29/10
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	10061-01-5	06/29/10
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	95-50-1	06/29/10
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	156-60-5	06/29/10
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10152956	EPA8260	10061-02-6	06/29/10
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10152956	EPA8260	110-57-6	06/29/10
Surr:1,2-Dichloroethane-d4 (165-247%)	104.07%			1.00	0.0100	10152956	EPA8260		06/29/10
Surr:Bromofluorobenzene (151-227%)	89.57%			1.00	1.00	10152956	EPA8260	460-00-4	06/29/10
Surr:Toluene-d8 (162-244%)	106.47%			1.00	0.0100	10152956	EPA8260		06/29/10



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

## Quality Report

### Quality Control Batch: 10152484

#### Blank

Nitrate(as N)

Nitrite(as N)

**Analyst:** PCW

Result	Units
0.0100U	mg/L
0.0200U	mg/L

#### Laboratory Control Sample

Nitrate(as N)

Nitrite(as N)

Result	Units
--------	-------

Spike	%REC	%REC Lim
-------	------	----------

80.00-120.00
--------------

#### Matrix Spike

Nitrate(as N)

Nitrite(as N)

Result	Units
--------	-------

Spike	%REC	%REC Lim
-------	------	----------

80.00-120.00
--------------

#### Matrix Spike Duplicate

Nitrate(as N)

Nitrite(as N)

Result	Units
--------	-------

Spike	%REC	%REC Lim
-------	------	----------

80.00-120.00
--------------

### Quality Control Batch: 10152506

#### Blank

TSS

**Analyst:** BHM

Result	Units
1.00U	mg/L

#### Laboratory Control Sample

TSS

Result	Units
--------	-------

Spike	%REC	%REC Lim
-------	------	----------

81.45-115.18
--------------

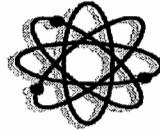
### Quality Control Batch: 10152541

#### Blank

Sulfate

**Analyst:** PCW

Result	Units
5.00U	mg/L



# 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

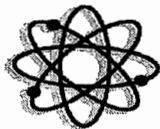
Phone: 407-339-5984 / Fax: 407-260-6110  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

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

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	
Sulfate	64.7	mg/L	60.0	107.83	91.94-106.64	
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Sulfate	53.3	mg/L	50.0	98.12	51.32-145.17	4.24
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample
Sulfate	53.5	mg/L	50.0	98.52	51.32-145.17	4.24
RPD	0.37	RPD Lim	7.31			
Quality Control Batch: 10152588	Analyst:	BHM				
Blank	Result	Units				
TDS	2.50U	mg/L				
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	
TDS	1520	mg/L	1500	101.20	91.15-105.70	
Quality Control Batch: 10152652	Analyst:	DLJ				
Blank	Result	Units				
1,2,3-Trichloropropane	0.0200U	ug/L				
1,2-Dibromoethane (EDB)	0.0100U	ug/L				
1,2-dibromo-3-chloropropane	0.0200U	ug/L				
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	
1,2,3-Trichloropropane	0.608	ug/L	0.750	81.02	80.00-120.00	
1,2-Dibromoethane (EDB)	0.641	ug/L	0.750	85.43	69.93-130.96	
1,2-dibromo-3-chloropropane	0.755	ug/L	0.750	100.63	80.00-120.00	
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
1,2,3-Trichloropropane	0.591	ug/L	0.750	78.80	80.00-120.00	0.0200U
1,2-Dibromoethane (EDB)	0.626	ug/L	0.750	83.50	52.09-140.66	0.0100U



## 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

**Quality Control Batch: 10152652**

Matrix Spike  
1,2-dibromo-3-chloropropane

**Analyst: DLJ**

Result	Units	Spike	%REC	%REC Lim	Sample
0.739	ug/L	0.750	98.57	80.00-120.00	0.0200U

Matrix Spike Duplicate

1,2,3-Trichloropropane  
1,2-dibromo-3-chloropropane

Result	Units	Spike	%REC	%REC Lim	Sample
0.00794	ug/L	0.750	1.06	80.00-120.00	0.0200U
0.327	ug/L	0.750	43.60	80.00-120.00	0.0200U

**Quality Control Batch: 10152727**

Blank  
Fecal Coliform

**Analyst: TRB**

Result	Units
1.00U	cfu/100mL

**Quality Control Batch: 10152772**

Blank  
BOD5day

**Analyst: CCP**

Result	Units
2.00U	mg/L

Laboratory Control Sample  
BOD5day

Result	Units	Spike	%REC	%REC Lim
175	mg/L	198	88.33	73.74-121.48

**Quality Control Batch: 10152809**

Blank  
TOC

**Analyst: PCW**

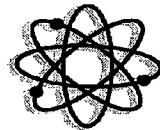
Result	Units
1.00U	mg/L

Laboratory Control Sample  
TOC

Result	Units	Spike	%REC	%REC Lim
10.8	mg/L	10.0	108.48	80.00-120.00

Matrix Spike  
TOC

Result	Units	Spike	%REC	%REC Lim	Sample
43.7	mg/L	5.00	40.34	86.19-112.87	41.7



# 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

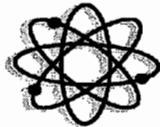
Phone: 407-339-5984 / Fax: 407-260-6110  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: 850-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

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

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TOC	44.2	mg/L	5.00	48.69	86.19-112.87	41.7	0.95	20.00
<b>Quality Control Batch: 10152814</b>	<b>Analyst: PCW</b>							
Blank	Result	Units						
Unionized NH3(as N)	0.000100U	mg/L						
<b>Quality Control Batch: 10152838</b>	<b>Analyst: CTH</b>							
Blank	Result	Units						
Chemical Oxygen Demand	20.0U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Chemical Oxygen Demand	108	mg/L	100	108.35	81.47-117.86			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Chemical Oxygen Demand	283	mg/L	200	103.83	49.93-147.31	75.3		
<b>Matrix Spike Duplicate</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>
Chemical Oxygen Demand	281	mg/L	200	103.03	49.93-147.31	75.3	0.57	31.27
<b>Quality Control Batch: 10152895</b>	<b>Analyst: EVB</b>							
Blank	Result	Units						
Aluminum	0.0100U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Aluminum	0.225	mg/L	0.200	112.25	80.82-120.54			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Aluminum	0.355	mg/L	0.200	108.40	38.39-145.93	0.138		



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

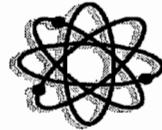
PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Aluminum	0.406	mg/L	0.200	133.63	38.39-145.93	0.138	13.26	37.49

**Quality Control Batch: 10152952** Analyst: EVB

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

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.194	mg/L	0.200	97.07	76.70-120.39
Arsenic	0.188	mg/L	0.200	93.85	81.09-119.32
Barium	0.194	mg/L	0.200	97.04	84.59-125.11
Beryllium	0.205	mg/L	0.200	102.59	85.69-132.22
Cadmium	0.187	mg/L	0.200	93.60	84.66-121.81
Chromium	0.186	mg/L	0.200	92.98	87.00-122.96
Cobalt	0.189	mg/L	0.200	94.50	78.66-126.98
Copper	0.181	mg/L	0.200	90.60	84.08-122.69
Lead	0.191	mg/L	0.200	95.53	86.91-124.18



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
Phone: R50-973-6878 / Fax: 850-973-6878  
Phone: 305-743-8598 / Fax: 305-743-8598

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

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

**Quality Control Batch: 10152952**

**Analyst: EVB**

**Laboratory Control Sample**

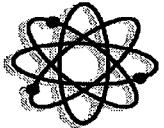
	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
Nickel	0.182	mg/L	0.200	90.87	77.31-126.31
Selenium	0.181	mg/L	0.200	90.25	75.98-121.42
Silver	0.194	mg/L	0.200	96.76	79.76-119.92
Thallium	0.193	mg/L	0.200	96.25	80.95-125.84
Vanadium	0.181	mg/L	0.200	90.66	78.51-125.51
Zinc	0.181	mg/L	0.200	90.36	79.82-122.80

**Matrix Spike**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>
Antimony	0.156	mg/L	0.200	78.09	73.48-142.27	0.00200U
Arsenic	0.145	mg/L	0.200	71.73	73.05-140.45	0.00185
Barium	0.171	mg/L	0.200	81.04	70.68-156.87	0.00872
Beryllium	0.196	mg/L	0.200	97.83	89.27-154.67	0.000500U
Cadmium	0.160	mg/L	0.200	79.83	76.87-137.80	0.00100U
Chromium	0.176	mg/L	0.200	87.63	67.91-144.29	0.00122
Cobalt	0.169	mg/L	0.200	84.68	68.92-150.01	0.00100U
Copper	0.157	mg/L	0.200	78.30	57.64-148.77	0.00100U
Lead	0.155	mg/L	0.200	77.50	69.09-150.83	0.00100U
Nickel	0.165	mg/L	0.200	81.11	58.01-145.27	0.00282
Selenium	0.145	mg/L	0.200	72.43	63.72-144.34	0.00200U
Silver	0.166	mg/L	0.200	83.14	48.94-146.79	0.000500U
Thallium	0.147	mg/L	0.200	73.74	68.93-151.79	0.00100U
Vanadium	0.178	mg/L	0.200	88.35	72.08-149.74	0.00139
Zinc	0.148	mg/L	0.200	73.95	51.79-149.89	0.0100U

**Matrix Spike Duplicate**

	<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>
Antimony	0.153	mg/L	0.200	76.53	73.48-142.27	0.00200U	2.03	23.91
Arsenic	0.145	mg/L	0.200	71.60	73.05-140.45	0.00185	0.18	26.42
Barium	0.167	mg/L	0.200	79.08	70.68-156.87	0.00872	2.31	20.91
Beryllium	0.203	mg/L	0.200	101.41	89.27-154.67	0.000500U	3.59	22.45



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

**Quality Control Batch: 10152952**

**Analyst: EVB**

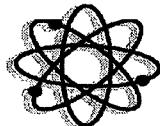
**Matrix Spike Duplicate**

	<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>
Cadmium	0.159	mg/L	0.200	79.48	76.87-137.80	0.00100U	0.45	24.42
Chromium	0.169	mg/L	0.200	83.73	67.91-144.29	0.00122	4.52	26.93
Cobalt	0.163	mg/L	0.200	81.72	68.92-150.01	0.00100U	3.56	20.94
Copper	0.150	mg/L	0.200	74.88	57.64-148.77	0.00100U	4.47	26.04
Lead	0.153	mg/L	0.200	76.35	69.09-150.83	0.00100U	1.50	26.35
Nickel	0.160	mg/L	0.200	78.50	58.01-145.27	0.00282	3.21	25.87
Selenium	0.138	mg/L	0.200	68.99	63.72-144.34	0.00200U	4.85	23.19
Silver	0.163	mg/L	0.200	81.53	48.94-146.79	0.000500U	1.97	25.78
Thallium	0.147	mg/L	0.200	73.35	68.93-151.79	0.00100U	0.53	22.45
Vanadium	0.169	mg/L	0.200	83.79	72.08-149.74	0.00139	5.26	21.04
Zinc	0.144	mg/L	0.200	72.23	51.79-149.89	0.0100U	2.35	25.51

**Quality Control Batch: 10152956**

**Analyst: CLS**

	<b>Result</b>	<b>Units</b>
Blank	5.00U	ug/L
Acetone	0.300U	ug/L
Acrylonitrile	0.500U	ug/L
Benzene	0.100U	ug/L
Bromochloromethane	0.100U	ug/L
Bromodichloromethane	0.100U	ug/L
Bromoform	0.500U	ug/L
Bromomethane	0.500U	ug/L
Carbon Disulfide	1.00U	ug/L
Carbon Tetrachloride	0.500U	ug/L
Chlorobenzene	0.500U	ug/L
Chloroethane	0.500U	ug/L
Chloroform	0.500U	ug/L
Chloromethane	0.500U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

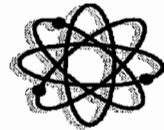
PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Quality Control Batch: 10152956

Analyst: CLS

	Result	Units
Blank	0.400U	ug/L
Dibromochloromethane	0.500U	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
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



# 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  
Phone: 772-343-8005 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

**Quality Control Batch: 10152956**

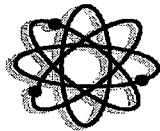
**Blank**  
Surr:Bromofluorobenzene  
Surr:Toluene-d8  
Surr:1,2-Dichloroethane-d4

**Analyst: CLS**

Result	Units
26.2	ug/L
31.2	ug/L
29.5	ug/L

**Laboratory Control Sample**

	Result	Units	Spike	%REC	%REC Lim
Acetone	9.33	ug/L	10.0	93.30	80.00-120.00
Acrylonitrile	9.27	ug/L	10.0	92.70	80.00-120.00
Benzene	9.49	ug/L	10.0	94.90	80.00-120.00
Bromochloromethane	9.01	ug/L	10.0	90.10	80.00-120.00
Bromodichloromethane	9.00	ug/L	10.0	90.00	80.00-120.00
Bromoform	7.92	ug/L	10.0	79.20	80.00-120.00
Bromomethane	11.0	ug/L	10.0	110.10	80.00-120.00
Carbon Disulfide	11.8	ug/L	10.0	118.40	80.00-120.00
Carbon Tetrachloride	9.33	ug/L	10.0	93.30	80.00-120.00
Chlorobenzene	9.20	ug/L	10.0	92.00	80.00-120.00
Chloroethane	9.98	ug/L	10.0	99.80	80.00-120.00
Chloroform	9.26	ug/L	10.0	92.60	80.00-120.00
Chloromethane	9.27	ug/L	10.0	92.70	80.00-120.00
cis-1,2-dichloroethene	8.68	ug/L	10.0	86.80	80.00-120.00
cis-1,3-Dichloropropene	8.85	ug/L	10.0	88.50	80.00-120.00
Dibromochloromethane	9.06	ug/L	10.0	90.60	80.00-120.00
Ethylbenzene	8.89	ug/L	10.0	88.90	80.00-120.00
Methyl Iodide	9.97	ug/L	10.0	99.70	80.00-120.00
Methyl isobutyl ketone	8.98	ug/L	10.0	89.80	80.00-120.00
Methylene chloride	10.3	ug/L	10.0	103.10	80.00-120.00
o-dichlorobenzene	9.21	ug/L	10.0	92.10	80.00-120.00
Para-dichlorobenzene	9.07	ug/L	10.0	90.70	80.00-120.00
Styrene	8.51	ug/L	10.0	85.10	80.00-120.00
Tetrachloroethene	8.81	ug/L	10.0	88.10	80.00-120.00



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

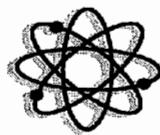
**Quality Control Batch: 10152956**      **Analyst: CLS**

**Laboratory Control Sample**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
Toluene	9.21	ug/L	10.0	92.10	80.00-120.00
trans-1,2-dichloroethene	9.54	ug/L	10.0	95.40	80.00-120.00
trans-1,3,-Dichloropropene	9.03	ug/L	10.0	90.30	80.00-120.00
Trichloroethene	9.15	ug/L	10.0	91.50	80.00-120.00
Trichlorofluoromethane	9.11	ug/L	10.0	91.10	80.00-120.00
Vinyl chloride	10.3	ug/L	10.0	102.80	80.00-120.00
Xylenes	26.8	ug/L	30.0	89.23	80.00-120.00
1,1,1,2-Tetrachloroethane	9.22	ug/L	10.0	92.20	80.00-120.00
1,1,1-Trichloroethane	9.40	ug/L	10.0	94.00	80.00-120.00
1,1,2-Tetrachloroethane	8.97	ug/L	10.0	89.70	80.00-120.00
1,1,2-Trichloroethane	8.99	ug/L	10.0	89.90	80.00-120.00
1,1-Dichloroethane	9.34	ug/L	10.0	93.40	80.00-120.00
1,1-Dichloroethene	9.68	ug/L	10.0	96.80	80.00-120.00
1,2-dichloroethane	9.18	ug/L	10.0	91.80	80.00-120.00
1,2-dichloropropane	9.15	ug/L	10.0	91.50	80.00-120.00
2-Butanone (MEK)	9.24	ug/L	10.0	92.40	80.00-120.00
2-Hexanone	8.67	ug/L	10.0	86.70	80.00-120.00
Surr:Bromofluorobenzene	29.4	ug/L	30.0	97.93	80.00-120.00
Surr:Toluene-d8	29.8	ug/L	30.0	99.17	80.00-120.00
Surr:1,2-Dichloroethane-d4	30.0	ug/L	30.0	99.93	80.00-120.00

**Matrix Spike**

	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>
Acetone	8.60	ug/L	20.0	43.00	80.00-120.00	5.00U
Acrylonitrile	17.7	ug/L	20.0	88.65	80.00-120.00	0.300U
Benzene	20.0	ug/L	20.0	99.75	80.00-120.00	0.500U
Bromochloromethane	18.5	ug/L	20.0	92.45	80.00-120.00	0.100U
Bromodichloromethane	19.2	ug/L	20.0	95.90	79.94-120.01	0.100U
Bromoform	18.0	ug/L	20.0	89.85	78.96-120.62	0.500U
Bromomethane	23.6	ug/L	20.0	118.15	80.00-120.00	0.500U



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

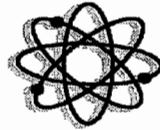
PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Quality Control Batch: 10152956

Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Carbon Tetrachloride	19.7	ug/L	20.0	98.65	80.00-120.00	0.500U
Chlorobenzene	19.0	ug/L	20.0	94.85	80.00-120.00	0.500U
Chloroethane	20.1	ug/L	20.0	100.60	80.00-120.00	0.500U
Chloroform	19.1	ug/L	20.0	95.65	65.91-131.55	0.500U
Chloromethane	19.9	ug/L	20.0	99.45	80.00-120.00	0.500U
cis-1,2-dichloroethene	18.6	ug/L	20.0	92.90	80.00-120.00	0.200U
cis-1,3-Dichloropropene	19.6	ug/L	20.0	98.10	80.00-120.00	0.500U
Dibromochloromethane	19.2	ug/L	20.0	96.20	66.41-123.88	0.400U
Ethylbenzene	19.5	ug/L	20.0	97.60	80.00-120.00	0.500U
Methyl Iodide	8.02	ug/L	20.0	40.10	80.00-120.00	1.00U
Methyl isobutyl ketone	19.4	ug/L	20.0	97.15	80.00-120.00	1.00U
Methylene chloride	19.1	ug/L	20.0	95.25	80.00-120.00	1.00U
o-dichlorobenzene	18.2	ug/L	20.0	91.10	80.00-120.00	0.500U
Para-dichlorobenzene	18.5	ug/L	20.0	92.65	80.00-120.00	0.500U
Styrene	18.4	ug/L	20.0	91.95	80.00-120.00	0.500U
Tetrachloroethene	20.7	ug/L	20.0	103.40	80.00-120.00	0.500U
Toluene	20.1	ug/L	20.0	100.60	80.00-120.00	0.500U
trans-1,2-dichloroethene	20.1	ug/L	20.0	100.50	80.00-120.00	0.500U
trans-1,3,-Dichloropropene	19.2	ug/L	20.0	95.95	80.00-120.00	0.500U
Trichloroethene	20.3	ug/L	20.0	101.55	80.00-120.00	0.500U
Trichlorofluoromethane	19.0	ug/L	20.0	95.15	80.00-120.00	0.500U
Vinyl chloride	21.6	ug/L	20.0	108.20	80.00-120.00	0.500U
Xylenes	56.4	ug/L	60.0	93.93	80.00-120.00	1.00U
1,1,1,2-Tetrachloroethane	18.5	ug/L	20.0	92.70	80.00-120.00	0.500U
1,1,1-Trichloroethane	19.7	ug/L	20.0	98.25	80.00-120.00	0.500U
1,1,2,2-Tetrachloroethane	18.1	ug/L	20.0	90.30	80.00-120.00	0.100U
1,1,2-Trichloroethane	18.6	ug/L	20.0	93.20	80.00-120.00	0.500U
1,1-Dichloroethane	19.2	ug/L	20.0	96.05	80.00-120.00	0.500U
1,1-Dichloroethene	7.76	ug/L	20.0	38.80	80.00-120.00	0.500U



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

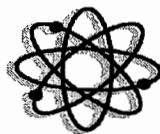
PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

**Quality Control Batch: 10152956**

**Analyst: CLS**

	<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>
Matrix Spike								
1,2-dichloroethane	18.7	ug/L	20.0	93.70	80.00-120.00	0.500U		
1,2-dichloropropane	19.6	ug/L	20.0	98.15	80.00-120.00	0.200U		
2-Butanone (MEK)	20.5	ug/L	20.0	102.70	80.00-120.00	0.500U		
2-Hexanone	20.9	ug/L	20.0	104.55	80.00-120.00	0.500U		
Surr:Bromofluorobenzene	29.1	ug/L	30.0	96.87	80.00-120.00			
Surr:Toluene-d8	30.7	ug/L	30.0	102.17	80.00-120.00			
Surr:1,2-Dichloroethane-d4	29.5	ug/L	30.0	98.37	80.00-120.00			
Matrix Spike Duplicate								
Acetone	6.02	ug/L	20.0	30.10	80.00-120.00	5.00U	35.29	20.00
Acrylonitrile	21.6	ug/L	20.0	108.10	80.00-120.00	0.300U	19.77	20.00
Benzene	22.9	ug/L	20.0	114.65	80.00-120.00	0.500U	13.90	20.00
Bromochloromethane	21.9	ug/L	20.0	109.65	80.00-120.00	0.100U	17.02	20.00
Bromodichloromethane	22.0	ug/L	20.0	110.00	79.94-120.01	0.100U	13.70	20.00
Bromoform	22.3	ug/L	20.0	111.25	78.96-120.62	0.500U	21.28	20.00
Bromomethane	28.1	ug/L	20.0	140.55	80.00-120.00	0.500U	17.32	20.00
Carbon Tetrachloride	22.7	ug/L	20.0	113.50	80.00-120.00	0.500U	14.00	20.00
Chlorobenzene	21.9	ug/L	20.0	109.60	80.00-120.00	0.500U	14.43	20.00
Chloroethane	24.7	ug/L	20.0	123.60	80.00-120.00	0.500U	20.52	20.00
Chloroform	22.0	ug/L	20.0	110.00	65.91-131.55	0.500U	13.96	20.00
Chloromethane	22.1	ug/L	20.0	110.50	80.00-120.00	0.500U	10.53	20.00
cis-1,2-dichloroethene	21.5	ug/L	20.0	107.50	80.00-120.00	0.200U	14.57	20.00
cis-1,3-Dichloropropene	23.0	ug/L	20.0	115.00	80.00-120.00	0.500U	15.86	20.00
Dibromochloromethane	22.9	ug/L	20.0	114.35	66.41-123.88	0.400U	17.24	20.00
Ethylbenzene	22.6	ug/L	20.0	112.75	80.00-120.00	0.500U	14.40	20.00
Methyl Iodide	24.9	ug/L	20.0	124.55	80.00-120.00	1.00U	102.58	20.00
Methyl isobutyl ketone	24.5	ug/L	20.0	122.45	80.00-120.00	1.00U	23.04	20.00
Methylene chloride	21.3	ug/L	20.0	106.25	80.00-120.00	1.00U	10.92	20.00
o-dichlorobenzene	21.3	ug/L	20.0	106.35	80.00-120.00	0.500U	15.45	20.00



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

**Quality Control Batch: 10152956****Matrix Spike Duplicate**

Para-dichlorobenzene  
Styrene  
Tetrachloroethene  
Toluene  
trans-1,2-dichloroethene  
trans-1,3,-Dichloropropene  
Trichloroethene  
Trichlorofluoromethane  
Vinyl chloride  
Xylenes  
1,1,1,2-Tetrachloroethane  
1,1,1-Trichloroethane  
1,1,2,2-Tetrachloroethane  
1,1,2-Trichloroethane  
1,1-Dichloroethane  
1,1-Dichloroethene  
1,2-dichloroethane  
1,2-dichloropropane  
2-Butanone (MEK)  
2-Hexanone  
Surr:Bromofluorobenzene  
Surr:Toluene-d8  
Surr:1,2-Dichloroethane-d4

**Analyst: CLS**

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
21.2	ug/L	20.0	106.05	80.00-120.00	0.500U	13.49	20.00
21.5	ug/L	20.0	107.40	80.00-120.00	0.500U	15.50	20.00
23.4	ug/L	20.0	116.75	80.00-120.00	0.500U	12.13	20.00
23.3	ug/L	20.0	116.35	80.00-120.00	0.500U	14.52	20.00
23.3	ug/L	20.0	116.70	80.00-120.00	0.500U	14.92	20.00
22.7	ug/L	20.0	113.60	80.00-120.00	0.500U	16.85	20.00
23.3	ug/L	20.0	116.45	80.00-120.00	0.500U	13.67	20.00
21.6	ug/L	20.0	108.05	80.00-120.00	0.500U	12.70	20.00
24.6	ug/L	20.0	123.00	80.00-120.00	0.500U	12.80	20.00
65.4	ug/L	60.0	108.93	80.00-120.00	1.00U	14.79	20.00
22.2	ug/L	20.0	111.00	80.00-120.00	0.500U	17.97	20.00
22.9	ug/L	20.0	114.25	80.00-120.00	0.500U	15.06	20.00
21.9	ug/L	20.0	109.50	80.00-120.00	0.100U	19.22	20.00
22.4	ug/L	20.0	111.95	80.00-120.00	0.500U	18.28	20.00
22.2	ug/L	20.0	111.10	80.00-120.00	0.500U	14.53	20.00
9.15	ug/L	20.0	45.75	80.00-120.00	0.500U	16.44	20.00
22.1	ug/L	20.0	110.65	80.00-120.00	0.500U	16.59	20.00
22.9	ug/L	20.0	114.30	80.00-120.00	0.200U	15.20	20.00
23.7	ug/L	20.0	118.70	80.00-120.00	0.500U	14.45	20.00
25.2	ug/L	20.0	126.15	80.00-120.00	0.500U	18.73	20.00
29.2	ug/L	30.0	97.37	80.00-120.00		0.51	20.00
30.9	ug/L	30.0	103.07	80.00-120.00		0.88	20.00
29.5	ug/L	30.0	98.20	80.00-120.00		0.17	20.00

**Quality Control Batch: 10152963****Blank**

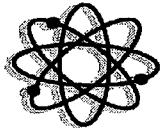
Total Phosphorous(as P)

**Analyst: VLB**

Result	Units
0.0400U	mg/L

**Laboratory Control Sample**

Result	Units	Spike	%REC	%REC Lim
--------	-------	-------	------	----------



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

**Quality Control Batch: 10152963****Laboratory Control Sample**

Total Phosphorous(as P)

**Analyst: VLB****Result**

2.06

**Units**  
mg/L**Spike**

1.50

**%REC**

137.04

**%REC Lim**

84.24-112.72

**Matrix Spike**

Total Phosphorous(as P)

**Result**

4.15

**Units**  
mg/L**Spike**

1.50

**%REC**

95.07

**%REC Lim**

79.95-119.28

**Sample**

2.72

**Quality Control Batch: 10152966****Blank**

TKN(as N)

**Analyst: VLB****Result**

0.200U

**Units**  
mg/L**Laboratory Control Sample**

TKN(as N)

**Result**

2.86

**Units**  
mg/L**Spike**

3.11

**%REC**

92.11

**%REC Lim**

86.21-108.66

**Matrix Spike**

TKN(as N)

**Result**

2.36

**Units**  
mg/L**Spike**

2.33

**%REC**

90.51

**%REC Lim**

67.06-126.43

**Sample**

0.252

**Quality Control Batch: 10152975****Blank**

Iron

**Analyst: EVB****Result**

0.0100U

**Units**  
mg/L**Laboratory Control Sample**

Iron

**Result**

4.66

**Units**  
mg/L**Spike**

5.00

**%REC**

93.25

**%REC Lim**

83.52-112.02

**Matrix Spike**

Iron

**Result**

4.58

**Units**  
mg/L**Spike**

5.00

**%REC**

91.06

**%REC Lim**

62.04-143.01

**Sample**

0.0253

**Matrix Spike Duplicate**

Iron

**Result**

4.77

**Units**  
mg/L**Spike**

5.00

**%REC**

94.95

**%REC Lim**

62.04-143.01

**Sample**

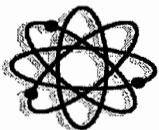
0.0253

**RPD**

4.15

**RPD Lim**

28.19



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

**Quality Control Batch: 10152978**

Blank

Total Hardness (as CaCO<sub>3</sub>)

**Analyst: EVB**

Result	Units
0.100U	mg/L

**Laboratory Control Sample**

Total Hardness (as CaCO<sub>3</sub>)

**Result**

mg/L
30.1

**Units****Spike**

33.1
------

**%REC**

91.02
-------

**%REC Lim**

85.06-113.17
--------------

**Quality Control Batch: 10153269**

Blank

Chlorophyll a

**Analyst: TRB**

Result	Units
1.00U	mg/m <sup>3</sup>

**Quality Control Batch: 10153439**

Blank

Mercury

**Analyst: EVB**

Result	Units
0.0000200U	mg/L

**Laboratory Control Sample**

Mercury

**Result**

mg/L
0.00209

**Units****Spike**

0.00200
---------

**%REC**

104.65
--------

**%REC Lim**

90.27-115.31
--------------

**Matrix Spike**

Mercury

**Result**

mg/L
0.00291

**Units****Spike**

0.00300
---------

**%REC**

97.04
-------

**%REC Lim**

81.00-122.08
--------------

**Sample**

0.0000200U
------------

**Matrix Spike Duplicate**

Mercury

**Result**

mg/L
0.00291

**Units****Spike**

0.00300
---------

**%REC**

97.04
-------

**%REC Lim**

81.00-122.08
--------------

**Sample**

0.0000200U
------------

**Quality Control Batch: 10153570**

Blank

Phenolics

**Analyst: PCW**

Result	Units
0.00500U	mg/L

**Laboratory Control Sample****Result**

Units
-------

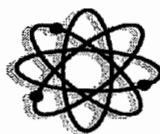
**Spike**

0.00300
---------

**%REC**

97.04
-------

**%REC Lim**



**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  
**Phone:** 772-343-8006 / **Fax:** 772-343-8089  
**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 (Kings Lab)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

Quality Control Batch: 10153570

## **Laboratory Control Sample**

Analyst: PCW

## Result

<sup>1</sup> See also the discussion of the relationship between the two concepts in the section on "The Concept of Social Capital."

**Spike**      **%REC**      **%REC Lim**  
 0.100      84.30      70.16-129.24

Matrix Spike

Phenolics

## Result

0.0778

units      Spring

9/1

%REC

74.26

## Sample

## Matrix Spike Duplicate

### **Phenolics**

## Result

0.0776

### **units**

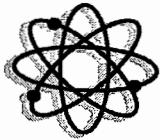
9/1

%REC

74.06

## Sample

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Phenolics	0.0776	mg/L	0.100	74.06	55.65-135.15	0.00354	0.26	32.89



# 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  
Phone: 772-343-8006 / Fax: 772-343-8089  
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)

PBS&J  
482 South Keller Rd  
Orlando, FL 32810

PO #: 40612  
Client Project #: Hardee Co. S/A Surface Water  
Date Sampled: Jun 22, 2010  
Jul 14, 2010; Invoice: 126118

## 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

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

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

Flowers Chemical Labs-Keys  
3980 Overseas Highway, Ste. 103  
Marathon, FL 33050  
Bus: 305-743-8598  
Fax: 305-743-8588



**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY [www.flowerslabs.com](http://www.flowerslabs.com)**

Client	<u>PBS + J</u>					Project Name	<u>Hendee Co. S/H Surface Water</u>					P.O. #							
Address						Client Contact	<u>Greg Mudd</u>					FAX							
Phone						FCL Project Manager	<u>J. Flowers</u>					E-MAIL							
Sampled By (PRINT):						Requested Due Date 10 Day Standard	OR					Flush Charge May Apply							
Sampler Signature	<u>Tonya Cross</u>					Pick-Up Fee \$		Vehicle Surcharge \$		Sampling Fee \$		Comments							
GW - ground water PW - drinking water WW - wastewater SW - surface water S - soil/solid SL - sludge HW - waste						<b>PRESERVATIVES</b> NONE H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> HCl Na <sub>2</sub> O <sub>2</sub>					ANALYSES REQUEST T.I. T.M. T.T. T.H. T.U.V. P.C.D. D.O. T.S.S. BOD M.C.P. E.C. C.H.A. T.O.C. T.A.B.O.D. E.P.A. S.O.I.								
ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	LAB USE ONLY LAB NO.						COMMENTS								
1	<u>SW-2</u>	<u>6/22/10</u>	<u>1045</u>	<u>SW</u>	<u>126118SW1</u>	X	X	X	X	X	X	<u>&lt;60°C</u>							
2	<u>Top Blank</u>	<u>6/22/10</u>	<u>—</u>	<u>D.I.</u>	<u>126118SW2</u>							<u>pH=7.2</u>							
3												<u>P</u>							
4												Total Containers							
5	<u>Field Data:</u>	<u>24</u>	<u>Cond</u>	<u>Temp</u>	<u>D.O.</u>														
6	<u>SW-2</u>	<u>7.31</u>	<u>37.3m</u>	<u>29.6°</u>	<u>2.50mg/l</u>	<u>Brown</u>													
7						<u>Tint</u>	<u>/no shear</u>												
8																			
9																			
10																			
Relinquished By / Affiliation			Date	Time	Accepted By / Affiliation			Date	Time	Relinquished By / Affiliation			Date	Time	Accepted By / Affiliation			Date	Time

6/22/10 1400      6/24/10 1358

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**

**Check Box That Applies To Your Location**

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

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

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

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



**DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY [www.flowerslabs.com](http://www.flowerslabs.com)**

Client

PBS & J

Address

Phone

Sampled By (PRINT):

Tommy Cross / Robert Carpenter

Sampler Signature

Date Sampled:

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

Project Name

Hendee Co Landfill Site wells

P.O. #

Client Contact

Greg Mudd

FAX

FCL Project Manager

J. Flowers

E-MAIL

Requested Due Date  
10 Day Standard

OR

Rush Charges May Apply

Pick-Up Fee

\$

Vehicle Surcharge

\$

Sampling Fee

\$

PRESERVATIVES

ANALYSES REQUESTED

COMMENTS

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HC	Na <sub>2</sub> SO <sub>4</sub>	Analyses	EC	TDS	PPM	PPM	PPM	Total # Containers
1	MW-5	6/23/10 0918	6W	GW	126269GW1	X	X	X			X	X	X	X	X	X	7
2	MW-8		0951														1
3	MW-12R		1121														1
4	MW-11		1207														1
5	MW-4		0910														1
6	MW-2		1045														1
7	MW-1		1206														1
8	MW-10R		1245														1
9	Trip Blank		—	DJ													2
10																	
Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time		

**FINANCE CHARGES APPLIED TO PAST DUE INVOICES**