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4062
JEN
9/14/12

October 3, 2011

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

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

Dear Mr. Morris:

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

BACKGROUND

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

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

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

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

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

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

FIRST HALF 2011 SAMPLING EVENT

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

Sample Collection Methodology

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

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

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

FIRST HALF 2011 SAMPLING EVENT RESULTS

Groundwater Flow Pattern

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

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

Sampling Results

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

Groundwater Analytical Results

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

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

- pH - The standard for pH is any value within the range of 6.5 to 8.5. The pH value at all of the wells but MW-2 were at 6.5 or lower and measured as low as 4.66 at well MW-1. The pH values at both of the background wells, MW-1 and MW-4, were lower than the standard range. The pH value at MW-2 was 6.62.
- The standard for iron is 0.3 milligrams per liter (mg/L). The iron concentration in the samples collected at all wells exceeded the standard. The iron concentrations at both of the background wells were higher than the standard.

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

Surface Water Analytical Results

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

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

Leachate Water Analytical Results

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

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

SUMMARY AND CONCLUSIONS

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

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

Very truly yours,



David E. Deans, PE

Vice President

Florida PE No. 31095

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

TABLES

Table 4
Leachate Analytical Summary
Hardee County Landfill
First Half 2011-

Analyte	Location:		
	Sample Identifier:		Phase I/MH-9
	Date of Sample:	06/23/11	
Standard(1)	Units		
Field Measurements			
Temperature		deg. C	28.8
pH	6-8.5	STD	6.45
Conductivity	1275	umhos/cm	897
Dissolved Oxygen (DO)	>5	mg/l	0.52
Inorganics			
Antimony		mg/L	.00200 U
Arsenic	0.005	mg/L	0.00266
Barium	1	mg/L	0.0351
Beryllium		mg/L	.000500 U
Bicarbonate alkalinity		mg/L	287
Cadmium	0.001	mg/L	.00100 U
Chloride		mg/L	94.4
Chromium	0.005	mg/L	0.00366
Cobalt		mg/L	.00157 I
Copper		mg/L	0.00659
Cyanide		mg/L	.00200 U
Iron		mg/L	8.76
Lead	5,000	mg/L	0.00202
Mercury	0.2	mg/L	.0000200 U
Nickel		mg/L	0.0123
Nitrate		mg/L	.0100 U
Selenium	0.001	mg/L	.00200 U
Silver	0.005	mg/L	.00500 U
Sodium		mg/L	67.9
Total Sulfide		mg/L	1.4
Total Ammonia - N		mg/L	21.2
Thallium		mg/L	.00100 U
Tin as SN		mg/L	.00500 U
Total Dissolved Solids (TDS)		mg/L	530
Vanadium		mg/L	0.00826
Zinc		mg/L	0.0277
Pesticides & Herbicides			
2,4,5-T		ug/l	.250 U
2,4,5-TP (Silvex)		ug/l	.250 U
2,4-D	10	ug/l	.250 U
4,4-DDD		ug/l	.0200 U
4,4-DDE		ug/l	.0200 U
4,4-DDT		ug/l	.0200 U
a-BHC		ug/l	.0200 U
Arochlor 1016		ug/l	.100 U
Arochlor 1221		ug/l	.100 U
Arochlor 1232		ug/l	.100 U
Arochlor 1242		ug/l	.100 U
Arochlor 1248		ug/l	.100 U
Arochlor 1254		ug/l	.100 U
Arochlor 1260		ug/l	.100 U
Aldrin		ug/l	.0200 U
b-BHC		ug/l	.0100 U
Chlordane	30	ug/l	.0100 U
d-BHC		ug/l	.0100 U
Dieldrin		ug/l	.0200 U
Dinoseb		ug/l	.250 U

Analyte	Location:		
	Sample Identifier:		Phase I/MH-9
	Date of Sample:		06/23/11
	Standard(l)	Units	
Endosulfan Sulfate		ug/l	
Endosulfan-I		ug/l	.0100 U
Endosulfan-II		ug/l	.0100 U
Endrin	20	ug/l	.0100 U
Endrin Aldehyde		ug/l	.0200 U
g-BHC (Lindane)	400	ug/l	.0100 U
Heptachlor	8	ug/l	.0100 U
Heptachlor Epoxide		ug/l	.0100 U
Methoxychlor	10,000	ug/l	.0100 U
Pentachlorophenol	100,000	ug/l	2.00 U
Toxaphene	500	ug/l	.500 U
PCBs		ug/l	
PCB-1016		ug/l	.100 U
PCB-1221		ug/l	.100 U
PCB-1232		ug/l	.100 U
PCB-1248		ug/l	.100 U
PCB-1254		ug/l	.100 U
PCB-1260		ug/l	.100 U
Organics, Acid Extractables		ug/l	
2,4,6-Trichlorophenol	2,000	ug/l	10.0 U
2,3,4,6-Tetrachlorophenol		ug/l	10.0 U
2,4,5-Trichlorophenol	400,000	ug/l	5.00 U
2,4-Dichlorophenol		ug/l	5.00 U
2,4-Dimethylphenol		ug/l	10.0 U
2,4-Dinitrophenol		ug/l	25.0 U
2,6-Dichlorophenol		ug/l	5.00 U
2-Nitrophenol		ug/l	10.0 U
4-Nitrophenol		ug/l	10.0 U
Phenol		ug/l	10.0 U
Base Neutrals		ug/l	
1,2,4,5-Tetrachlorobenzene		ug/l	10.0 U
1,4-Naphthoquinone		ug/l	50.0 U
1,4-Phenylenediamine		ug/l	NR
1-Naphthylamine		ug/l	50.0 U
2,4-Dinitrotoluene	130	ug/l	1.00 U
2,6-Dinitrotoluene		ug/l	10.0 U
2-Acetylaminofluorene		ug/l	50.0 U
2-Chloronaphthalene		ug/l	10.0 U
2-Chlorophenol		ug/l	10.0 U
2-Methyl-4,6-dinitrophenol		ug/l	10.0 U
2-Methylnaphthalene		ug/l	10.0 U
2-Naphthylamine		ug/l	10.0 U
2-Nitroaniline		ug/l	10.0 U
3,3-Dichlorobenzidine		ug/l	10.0 U
3,3-Dimethylbenzidine		ug/l	10.0 U
3-Methylcholanthrene		ug/l	50.0 U
3-Nitroaniline		ug/l	NR
4-Aminobiphenyl		ug/l	50.0 U
4-Bromophenol-phenylether		ug/l	NR
4-Bromophenyl-phenylether		ug/l	10.0 U
4-Chloroaniline		ug/l	NR
4-Chlorophenylphenylether		ug/l	10.0 U
4-Nitronaline		ug/l	NR
5-Nitro-o-toluidine		ug/l	10.0 U
7,12-Dimethylbenz(a)anthracene		ug/l	50.0 U
Acenaphthene		ug/l	10.0 U
Acenaphthylene		ug/l	10.0 U
Acetophenone		ug/l	50.0 U
Anthracene		ug/l	10.0 U

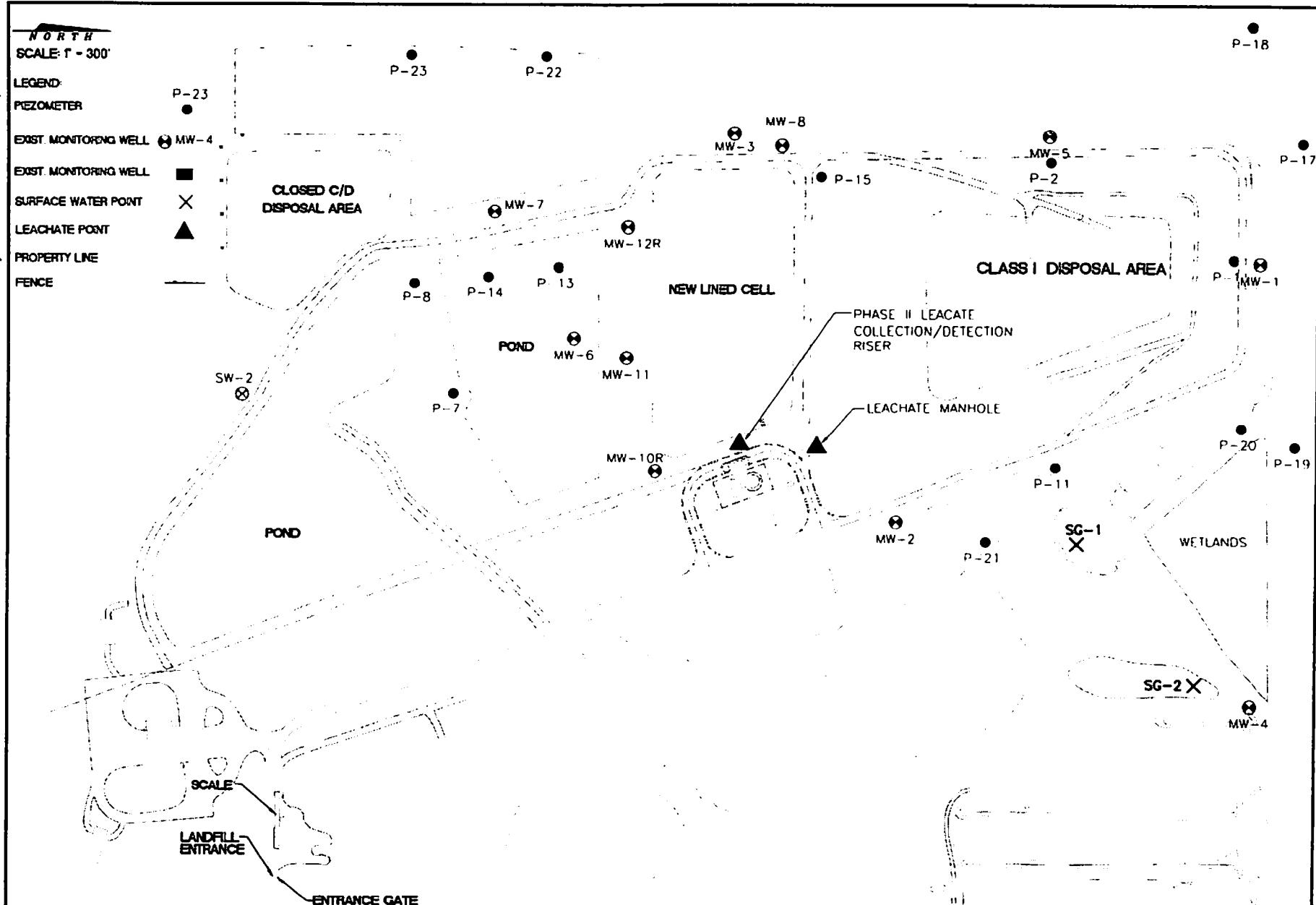
Analyte	Location:		
	Sample Identifier:		Phase I/MH-9
	Date of Sample:		06/23/11
	Standard(1)	Units	
Benzo(a)anthracene		ug/l	1.00 U
Benzo(a)pyrene		ug/l	5.00 U
Benzo(b)flouranthene		ug/l	.500 U
Benzo(g,h,i)perylene		ug/l	10.0 U
Benzo(k)flouranthene		ug/l	5.00 U
Benzyl alcohol		ug/l	25.0 U
Bis(2-chloroethoxy)methane		ug/l	10.0 U
Bis(2-chloroethyl)ether		ug/l	10.0 U
Bis(2-ethylhexyl)phthalate		ug/l	15.0 U
Butylbenzylphthalate		ug/l	15.0 U
Chlorobenzilate		ug/l	4.00 U
Chrysene		ug/l	10.0 U
Diallate		ug/l	10.0 U
Dibenz(a,h)anthracene		ug/l	1.00 U
Dibenzofuran		ug/l	25.0 U
Diethylphthalate		ug/l	15.0 U
Dimethoate		ug/l	10.0 U
Dimethylphthalate		ug/l	15.0 U
Di-N-butylphthalate		ug/l	15.0 U
Di-N-octylphthalate		ug/l	15.0 U
Disulfoton		ug/l	.300 U
Ethyl methanesulfonate		ug/l	100 U
Fampnur		ug/l	10.0 U
Flouranthene		ug/l	10.0 U
Flourene		ug/l	10.0 U
Hexachlorobenzene	130	ug/l	5.00 U
Hexachlorobutadiene	500	ug/l	10.0 U
Hexachlorocyclopentadiene		ug/l	10.0 U
Hexachloroethane	3,000	ug/l	10.0 U
Hexylchloropropene		ug/l	50.0 U
Indeno(1,2,3-cd)pyrene		ug/l	1.00 U
Isodrin		ug/l	100 U
Isophorone		ug/l	10.0 U
Isosafrole		ug/l	50.0 U
Kepone		ug/l	10.0 U
Methapyrilene		ug/l	100 U
Methyl parathion		ug/l	.500 U
Methyl methanesulfonate		ug/l	.50
Nitrobenzene	2,000	ug/l	10.0 U
N-Nitrosodiethylamine		ug/l	15.0 U
N-Nitrosodimethylamine		ug/l	15.0 U
N-Nitroso di-n-butylamine		ug/l	10.0 U
N-Nitrosodi-n-propylamine		ug/l	10.0 U
N-Nitrosodiphenylamine		ug/l	15.0 U
N-Nitrosomethylmethylaniline		ug/l	15.0 U
N-Nitrosopiperidine		ug/l	50.0 U
N-Nitrosopyrrolidine		ug/l	10.0 U
O,O-Diethyl-0,2-pyrazinylphosphorothioate		ug/l	50.0 U
O,O,O-Triethylphosphorothioate		ug/l	50.0 U
Ortho-toluidine		ug/l	10.0 U
P-(Dimethylamino)azobenzene		ug/l	50.0 U
Pentachlorobenzene		ug/l	1.50 U
Pentachloronitrobenzene		ug/l	1.50 U
Phenacetin		ug/l	100 U
Phenanathrene		ug/l	10.0 U
Pronamide		ug/l	50.0 U
Pyrene		ug/l	10.0 U
Saffrole		ug/l	50.0 U

Analyte	Location:	
	Sample Identifier:	
	Date of Sample:	
	Standard(1)	Units
Volatile Organics		
1,1,1,2-Tetrachloroethane		ug/l .500 U
1,1,1-Trichloroethane		ug/l .500 U
1,1,2,2-Tetrachloroethane		ug/l .100 U
1,1,2-Trichloroethane		ug/l .500 U
1,1-Dichloroethane		ug/l .500 U
1,1-Dichloroethene	700	ug/l .500 U
1,1-Dichloropropene		ug/l .200 U
1,2,3-Trichloropropane		ug/l .0200 U
1,2,4-Trichlorobenzene		ug/l .500 U
1,2-Dichlorobenzene		ug/l NR
1,2-Dichloroethane	500	ug/l .500 U
1,2-Dichloropropane		ug/l .200 U
1,3-Dichloropropane		ug/l .300 U
2,2-Dichloropropane		ug/l .500 U
2-Hexanone		ug/l .500 U
Acetone		ug/l 16.8
Acetonitrile		ug/l 1.00 U
Acrolein		ug/l 3.5 U
Acrylonitrile		ug/l .300 U
Benzene	500	ug/l .500 U
Bromochloromethane		ug/l .100 U
Bromodichloromethane		ug/l .100 U
Bromoform		ug/l .500 U
Bromomethane		ug/l .500 U
Carbon disulfide		ug/l 1.00 U
Carbon tetrachloride	500	ug/l .500 U
Chlorobenzene	100,000	ug/l .500 U
Chloroethane		ug/l .055 U
Chloroform	6,000	ug/l 3.08
Chloromethane		ug/l .500 U
Chloroprene		ug/l 5.00 U
cis-1,2-Dichloroethene		ug/l .200 U
cis-1,3-Dichloropropene		ug/l .500 U
Dibromochloromethane		ug/l .400 U
Dibromomethane		ug/l .400 U
Dichlorodifluoromethane		ug/l .500 U
Ethyl methacrylate		ug/l .500 U
Ethylbenzene		ug/l .500 U
Isobutyl alcohol		ug/l 1.00 U
m-Dichlorobenzene		ug/l 10.0 U
o-Dichlorobenzene		ug/l BDL
Methacrylonitrile		ug/l .500 U
Methyl methacrylate		ug/l 2.00 U
Methylene chloride		ug/l 1.00 U
Naphthalene		ug/l 10.0 U
Para-dichlorobenzene		ug/l .500 U
Propionitrile		ug/l 1.00 U
Styrene		ug/l .500 U
Tetrachloroethene	700	ug/l .500 U
Toluene		ug/l .500 U
Total xylenes		ug/l 2.27
trans-1,2-Dichloroethene		ug/l .500 U
trans-1,3-Dichloropropene		ug/l .500 U
trans-1,4-Dichloro-2-butene		ug/l .500 U
Trichloroethene	500	ug/l .500 U
Trichlorofluoromethane		ug/l .500 U
Vinyl acetate		ug/l 5.00 U
Vinyl chloride	200	ug/l .500 U

Notes: (1) - Regulatory standard listed in 40 CFR Part 261.24. Analyte concentrations shown with shading

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

FIGURES



ATTACHMENT A

Ground Water Monitoring Report Form

Florida Department of Environmental Protection

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

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

GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Hardee County Solid Waste Disposal Facility

Address 685 Airport Road

City Wachula, Florida

Zip 33873

Telephone Number (863) 733-5089

(2) The GMS Identification Number 4025C30001

(3) DEP Permit Number 38414-007-SO

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

Address 482 Keller Road

City Orlando, Florida

Zip 32810

Telephone Number (407) 806-4104

(5) Type of Discharge N/A

(6) Method of Discharge N/A

Certification

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

Date: _____

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # Atkins

Analytical Lab Comp QAP # /HRS Certification # E83018

*Comp QAP # /HRS Certification # _____

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

Lab #2 _____

Phone Number (407) 339-5984

PART III ANALYTICAL RESULTS

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

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

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

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

Ground Water Elevation (NGVD): _____ () Compliance
 () Other
 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

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

Client

Atkins

Address

Phone

Sampled By (PRINT):

Tommy Cross/Robert Carpenter

Sampler Signature

Date Sampled

6/23/11

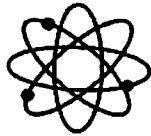
GW - ground water DW - drinking water WW - wastewater
SW - surface water SO - soil/solid SL - sludge HW - waste

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY)					PRESERVATIVES	ANALYSES REQUEST	COMMENTS	Total # Containers																					
					NONE	H ₂ O ₂	HNO ₃	HCl	NH ₄ SO ₄																									
1	Phase I/MH-9	6/23/11	1210	WW	152873WW1	X	X	X	X	Total/Sulfate	X	X	X	16																				
2	Phase II	6/23/11	1149	WW	—	—	—	—	—	pH	X	X	X	16																				
3	trip Blend	6/23/11	—	D.I.	152873WW2	—	—	—	—	Heavy Metals	X	X	X	2																				
4										glucose	X	X	X																					
5	Field Data:									Temp °C																								
6	Phase I/MH-9									Conc vs Temp °C																								
7										PC, mg/l																								
8										0.52																								
9																																		
10																																		
Relinquished By / Affiliation					Date	Time	Accepted By / Affiliation					Date	Time	Relinquished By / Affiliation					Date	Time	Accepted By / Affiliation					Date	Time							

John Carpenter 6/23/11 16:40

6/24/11 0636

FINANCE CHARGES APPLIED TO PAST DUE INVOICES



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

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

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Report Summary

Date Received: Jun 23, 2011

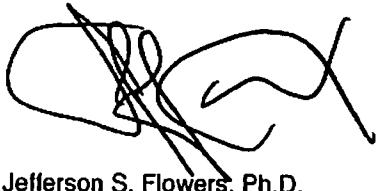
FCL Project Manager: June S. Flowers

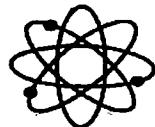
Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
152873WW1	Phase I/MH-9	EPA350.1	PCW	Main Lab	Waste Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8081	DLJ	Main Lab	
		EPA8082	DLJ	Main Lab	
		EPA8141	DLJ	Main Lab	
		EPA8151	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		EPA8270	CLS	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		SM2320 B	CCP	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM4500-S F	CCP	Main Lab	
		SM4500CN-E	PCW	Main Lab	
		X8081	CDG	Main Lab	
		X8141	CDG	Main Lab	
		X8151	ACS	Main Lab	
		X8270	CDG	Main Lab	
		XPCB	CDG	Main Lab	
152873WW2	Trip blank	EPA8260	CLS	Main Lab	Waste Water

Certificate of Results

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




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



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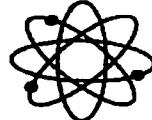
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PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
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Analysis Report

Lab #: 152873WW1 Sampled: 06/23/11 12:10 PM Desc: Phase I/MH-9

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	10176542	EPA353.2	14797-55-8	06/24/11 01:35 PM
Field pH (units)	6.45	pH	1.00	0.0100	0.0200	10176576	FT1100	C006	06/23/11
Field Conductivity	897	umhos/cm	1.00	0.100	0.100	10176576	FT1200		06/23/11
Field Temp. (C)	28.8	oC	1.00	0.100	0.100	10176576	FT1400		06/23/11
Field DO	0.520	mg/L	1.00	0.100	0.100	10176623	FT1500		06/23/11
Bicarbonate Alkalinity	287	mg/L	1.00	0.100	0.200	10176681	SM2320 B	E1640226	06/27/11
Chlor_Herb_Extraction	40.0	mL	1.00			10176704	X8151		06/27/11
2,4,5-T	0.250 U	ug/L	1.00	0.250	0.500	10176731	EPA8151	93-76-5	06/28/11
2,4,5-TP (Silvex)	0.250 U	ug/L	1.00	0.250	0.500	10176731	EPA8151	93-72-1	06/28/11
2,4-D	0.250 U	ug/L	1.00	0.250	0.500	10176731	EPA8151	94-75-7	06/28/11
Dinoseb	0.250 U	ug/L	1.00	0.250	0.500	10176731	EPA8151	88-85-7	06/28/11
Acid Base Extraction	1000	mL	1.00			10176802	X8270		06/28/11
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176847	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-35-4	06/29/11
1,1-Dichloropropene	0.200 U	ug/L	1.00	0.200	0.400	10176847	EPA8260	563-58-6	06/29/11
1,2,4-trichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	120-82-1	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176847	EPA8260	78-87-5	06/29/11
1,3-Dichloropropane	0.300 U	ug/L	1.00	0.300	0.600	10176847	EPA8260	142-28-9	06/29/11
2,2-Dichloropropane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	594-20-7	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	591-78-6	06/29/11
Acetone	16.8	ug/L	1.00	5.00	10.0	10176847	EPA8260	67-64-1	06/29/11
Acetonitrile	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	75-05-8	06/29/11



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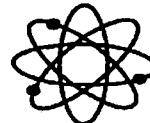
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4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Lab #: 152873WW1 Sampled: 06/23/11 12:10 PM Desc: Phase I/MH-9

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acrolein	3.50 U	ug/L	1.00	3.50	7.00	10176847	EPA8260	107-02-8	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176847	EPA8260	107-13-1	06/29/11
Allyl Chloride	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	107-05-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176847	EPA8260	074-97-5	06/29/11
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176847	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-00-3	06/29/11
Chloroform	3.08	ug/L	1.00	0.500	1.00	10176847	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	74-87-3	06/29/11
Chloroprene	5.00 U	ug/L	1.00	5.00	10.0	10176847	EPA8260	126-99-8	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176847	EPA8260	124-48-1	06/29/11
Dichlorodifluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-71-8	06/29/11
Ethyl methacrylate	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	97-63-2	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	100-41-4	06/29/11
Iso-butyl Alcohol	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	78-83-1	06/29/11
Methacrylonitrile	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	126-98-7	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	074-88-4	06/29/11
Methyl Methacrylate	2.00 U	ug/L	1.00	2.00	4.00	10176847	EPA8260	80-62-6	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	106-46-7	06/29/11
Propionitrile	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	107-12-0	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	127-18-4	06/29/11



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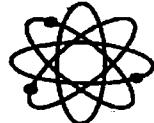
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PO #: 40612
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Lab #: 152873WW1 Sampled: 06/23/11 12:10 PM Desc: Phase I/MH-9

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176847	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-01-4	06/29/11
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	1330-20-7	06/29/11
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176847	EPA8260	156-59-2	06/29/11
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	10061-01-5	06/29/11
m-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	541-73-1	06/29/11
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	95-50-1	06/29/11
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	156-60-5	06/29/11
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	10061-02-6	06/29/11
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	110-57-6	06/29/11
Surr:1,2-Dichloroethane-d4 (72-132%)	98.27%		1.00	0.0100	0.0100	10176847	EPA8260		06/29/11
Surr:Bromofluorobenzene (87-114%)	89.57%		1.00	1.00	1.00	10176847	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (92-106%)	95.30%		1.00	0.0100	0.0100	10176847	EPA8260		06/29/11
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10176854	EPA7470	7439-97-6	06/29/11
Cyanide	0.00500 U	mg/L	1.00	0.00500	0.0100	10176885	SM4500CN-E	57-12-5	06/30/11
TDS	530	mg/L	1.00	2.50	5.00	10176924	SM2540 C	10-33-3	06/30/11
Chloride	94.4	mg/L	3.00	12.0	24.0	10176940	SM4500-CI E	16887-00-6	07/02/11
1,2,4,5-Tetrachlorobenzene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	95-94-3	07/01/11
1,4-Naphthoquinone	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	130-15-4	07/01/11
1-Naphthalamine	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	134-32-7	07/01/11
2,3,4,6-Tetrachlorophenol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	58-90-2	07/01/11
2,4,5-Trichlorophenol	5.00 U	ug/L	5.00	5.00	20.0	10177029	EPA8270	95-95-4	07/01/11
2,4,6-Trichlorophenol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	88-06-2	07/01/11
2,4-Dichlorophenol	5.00 U	ug/L	5.00	5.00	20.0	10177029	EPA8270	120-83-2	07/01/11
2,4-Dimethylphenol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	105-67-9	07/01/11
2,4-Dinitrophenol	25.0 U	ug/L	5.00	25.0	50.0	10177029	EPA8270	51-28-5	07/01/11



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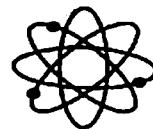
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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
2,4-Dinitrotoluene	1.00 U	ug/L	5.00	1.00	2.00	10177029	EPA8270	121-14-2	07/01/11
2,6-Dichlorophenol	5.00 U	ug/L	5.00	5.00	20.0	10177029	EPA8270	87-65-0	07/01/11
2,6-Dinitrotoluene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	606-20-2	07/01/11
2-Acetylaminofluorene	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	53-96-3	07/01/11
2-Chloronaphthalene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	91-58-7	07/01/11
2-Naphthylamine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	91-59-8	07/01/11
2-Nitrophenol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	88-75-5	07/01/11
2-chlorophenol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	95-57-8	07/01/11
2-methyl-4,6-dinitrophenol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	534-52-1	07/01/11
2-methyl-Naphthalene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	91-57-6	07/01/11
3,3'-Dichlorobenzidine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	91-94-1	07/01/11
3,3'-Dimethylbenzidine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	119-93-7	07/01/11
3-Methylcholanthrene	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	56-49-5	07/01/11
4-Aminobiphenyl	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	92-67-1	07/01/11
4-Bromophenylphenyl ether	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	101-55-3	07/01/11
4-Chlorophenylphenyl ether	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	7005-72-3	07/01/11
4-Nitrophenol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	100-02-7	07/01/11
5-Nitro-o-toluidine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	99-55-8	07/01/11
7,12-Dimethylbenz(a)anthracene	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	57-97-6	07/01/11
Acenaphthene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	83-32-9	07/01/11
Acenaphthylene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	208-96-8	07/01/11
Acetophenone	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	98-86-2	07/01/11
Anthracene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	120-12-7	07/01/11
Benzo(a)anthracene	1.00 U	ug/L	5.00	1.00	2.00	10177029	EPA8270	56-55-3	07/01/11
Benzo(a)pyrene	5.00 U	ug/L	5.00	5.00	20.0	10177029	EPA8270	50-32-8	07/01/11
Benzo(b)fluoranthene	0.500 U	ug/L	5.00	0.500	1.00	10177029	EPA8270	205-99-2	07/01/11
Benzo(g,h,i)perylene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	191-24-2	07/01/11
Benzo(k)fluoranthene	5.00 U	ug/L	5.00	5.00	20.0	10177029	EPA8270	207-08-9	07/01/11
Benzyl alcohol	25.0 U	ug/L	5.00	25.0	50.0	10177029	EPA8270	100-51-6	07/01/11



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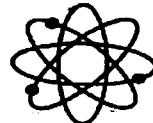
E83018 (Main Lab)
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Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Lab #: 152873WW1 Sampled: 06/23/11 12:10 PM Desc: Phase I/MH-9

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bis(2-chloroethoxy)methane	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	111-91-1	07/01/11
Bis(2-chloroethyl)ether	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	111-44-4	07/01/11
Bis(2-ethylhexyl)phthalate	15.0 U	ug/L	5.00	15.0	30.0	10177029	EPA8270	117-81-7	07/01/11
Butyl benzyl phthalate	15.0 U	ug/L	5.00	15.0	30.0	10177029	EPA8270	85-68-7	07/01/11
Chlorobenzilate	4.00 U	ug/L	5.00	4.00	8.00	10177029	EPA8270	510-15-6	07/01/11
Chrysene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	218-01-9	07/01/11
Di-n-butylphthalate	15.0 U	ug/L	5.00	15.0	30.0	10177029	EPA8270	84-74-2	07/01/11
Di-n-octylphthalate	15.0 U	ug/L	5.00	15.0	30.0	10177029	EPA8270	117-84-0	07/01/11
Diallate	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	2303-16-4	07/01/11
Dibenz(a,h)anthracene	1.00 U	ug/L	5.00	1.00	2.00	10177029	EPA8270	53-70-3	07/01/11
Dibenzofuran	25.0 U	ug/L	5.00	25.0	50.0	10177029	EPA8270	132-64-9	07/01/11
Diethylphthalate	15.0 U	ug/L	5.00	15.0	30.0	10177029	EPA8270	84-66-2	07/01/11
Dimethoate	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	60-51-5	07/01/11
Dimethylphthalate	15.0 U	ug/L	5.00	15.0	30.0	10177029	EPA8270	131-11-3	07/01/11
Diphenylamine	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	122-39-4	07/01/11
Ethyl methanesulfonate	100 U	ug/L	5.00	100	200	10177029	EPA8270	62-50-0	07/01/11
Famphur	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	52-85-7	07/01/11
Fluoranthene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	206-44-0	07/01/11
Fluorene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	86-73-7	07/01/11
Hexachlorobenzene	5.00 U	ug/L	5.00	5.00	20.0	10177029	EPA8270	118-74-1	07/01/11
Hexachlorobutadiene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	87-68-3	07/01/11
Hexachlorocyclopentadiene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	77-47-4	07/01/11
Hexachloroethane	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	67-72-1	07/01/11
Hexachloropropene	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	1888-71-7	07/01/11
Indeno(1,2,3-cd)pyrene	1.00 U	ug/L	5.00	1.00	2.00	10177029	EPA8270	193-39-5	07/01/11
Isodrin	100 U	ug/L	5.00	100	200	10177029	EPA8270	465-73-6	07/01/11
Isophorone	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	78-59-1	07/01/11
Isosafrole	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	120-58-1	07/01/11
Kepone	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	143-50-0	07/01/11



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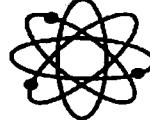
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Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Lab #: 152873WW1 Sampled: 06/23/11 12:10 PM Desc: Phase I/MH-9

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methapyrilene	100 U	ug/L	5.00	100	200	10177029	EPA8270	91-80-5	07/01/11
Methyl methanesulfonate	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	66-27-3	07/01/11
N-Nitroso di-n-butylamine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	924-16-3	07/01/11
N-Nitrosodi-n-propylamine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	621-64-7	07/01/11
N-Nitrosodiethylamine	15.0 U	ug/L	5.00	15.0	60.0	10177029	EPA8270	55-18-5	07/01/11
N-Nitrosodimethylamine	15.0 U	ug/L	5.00	15.0	60.0	10177029	EPA8270	62-75-9	07/01/11
N-Nitrosodiphenylamine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	86-30-6	07/01/11
N-Nitrosomethylethylamine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	10595-95-6	07/01/11
N-Nitrosopiperidine	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	100-75-4	07/01/11
N-Nitrosopyrrolidine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	930-55-2	07/01/11
Naphthalene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	91-20-3	07/01/11
Nitrobenzene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	98-95-3	07/01/11
O,O,O-Triethylphosphorothioate	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	126-68-1	07/01/11
O,O-diethyl-0,2-pyrazinylphosphorothioate	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	297-97-2	07/01/11
Pentachlorobenzene	1.50 U	ug/L	5.00	1.50	3.00	10177029	EPA8270	608-93-5	07/01/11
Pentachloronitrobenzene	1.50 U	ug/L	5.00	1.50	3.00	10177029	EPA8270	82-68-8	07/01/11
Pentachlorophenol	2.00 U	ug/L	5.00	2.00	4.00	10177029	EPA8270	87-86-5	07/01/11
Phenacetin	100 U	ug/L	5.00	100	200	10177029	EPA8270	62-44-2	07/01/11
Phenanthrene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	85-01-8	07/01/11
Phenol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	108-95-2	07/01/11
Pronamide	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	23950-58-5	07/01/11
Pyrene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	129-00-0	07/01/11
Saffrole	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	94-59-7	07/01/11
Trinitrobenzene	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	99-35-4	07/01/11
m-Cresol	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	108-39-4	07/01/11
m-Dinitrobenzene	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	99-65-0	07/01/11
m-nitroaniline	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	99-09-2	07/01/11
o-Cresol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	95-48-7	07/01/11
o-Toluidine	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	95-53-4	07/01/11



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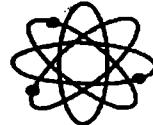
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Lab #: 152873WW1 Sampled: 06/23/11 12:10 PM Desc: Phase I/MH-9

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
o-nitroaniline	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	88-74-4	07/01/11
p-(Dimethylamino)azobenzene	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	60-11-7	07/01/11
p-Chloro-m-Cresol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	59-50-7	07/01/11
p-Chloroaniline	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	106-47-8	07/01/11
p-Cresol	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	106-44-5	07/01/11
p-Phenylenediamine	50.0 U	ug/L	5.00	50.0	100	10177029	EPA8270	106-50-3	07/01/11
p-nitroaniline	10.0 U	ug/L	5.00	10.0	20.0	10177029	EPA8270	100-01-6	07/01/11
Iron	8.76	mg/L	1.00	0.0100	0.0200	10177073	EPA6010	7439-89-6	07/05/11
Sodium	67.9	mg/L	1.00	0.500	1.00	10177073	EPA6010	7440-23-5	07/05/11
Ammonia (as N)	21.2	mg/L	60.0	0.600	1.20	10177099	EPA350.1	7664-41-7	07/06/11
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10177108	EPA6020	7440-36-0	07/05/11
Arsenic	0.00266	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7440-38-2	07/05/11
Barium	0.0351	mg/L	1.00	0.00200	0.00400	10177108	EPA6020	7440-39-3	07/05/11
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10177108	EPA6020	7440-41-7	07/05/11
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7440-43-9	07/05/11
Chromium	0.00366	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7440-47-3	07/05/11
Cobalt	0.00157 I	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7440-48-4	07/05/11
Copper	0.00659	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7440-50-8	07/05/11
Lead	0.00202	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7439-92-1	07/05/11
Nickel	0.0123	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7440-02-0	07/05/11
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10177108	EPA6020	7782-49-2	07/05/11
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10177108	EPA6020	7440-22-4	07/05/11
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7440-28-0	07/05/11
Tin	0.00500 U	mg/L	1.00	0.00500	0.0100	10177108	EPA6020	7440-31-5	07/05/11
Vanadium	0.00826	mg/L	1.00	0.00100	0.00200	10177108	EPA6020	7440-62-2	07/05/11
Zinc	0.0277	mg/L	1.00	0.0100	0.0200	10177108	EPA6020	7440-66-6	07/05/11
PCB_Extraction	1000	mL	1.00			10177202	XPCB		06/30/11
Phos_Pest_Extraction	1000	mL	1.00			10177203	X8141		06/30/11
Chlor_Pest_Extraction	1000	mL	1.00			10177297	X8081		06/30/11



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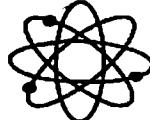
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Lab #: 152873WW1 Sampled: 06/23/11 12:10 PM Desc: Phase I/MH-9

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
4,4'-DDD	0.0200 U	ug/L	1.00	0.0200	0.0400	10177566	EPA8081	72-54-8	07/11/11
4,4'-DDE	0.0200 U	ug/L	1.00	0.0200	0.0400	10177566	EPA8081	72-55-9	07/11/11
4,4'-DDT	0.0200 U	ug/L	1.00	0.0200	0.0400	10177566	EPA8081	50-29-3	07/11/11
Aldrin	0.0200 U	ug/L	1.00	0.0200	0.0200	10177566	EPA8081	309-00-2	07/11/11
Chlordane	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	57-74-9	07/11/11
Dieldrin	0.0200 U	ug/L	1.00	0.0200	0.0400	10177566	EPA8081	60-57-1	07/11/11
Endosulfan_I	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	959-98-8	07/11/11
Endosulfan_II	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	33213-65-9	07/11/11
Endosulfan_sulfate	0.0200 U	ug/L	1.00	0.0200	0.0400	10177566	EPA8081	1031-07-8	07/11/11
Endrin	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	72-20-8	07/11/11
Endrin_Aldehyde	0.0200 U	ug/L	1.00	0.0200	0.0400	10177566	EPA8081	7421-93-4	07/11/11
Heptachlor	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	76-44-8	07/11/11
Heptachlor epoxide	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	1024-57-3	07/11/11
Lindane (g-BHC)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	58-89-9	07/11/11
Methoxychlor	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	72-43-5	07/11/11
Toxaphene	0.500 U	ug/L	1.00	0.500	1.00	10177566	EPA8081	8001-35-2	07/11/11
a-BHC	0.0200 U	ug/L	1.00	0.0200	0.0200	10177566	EPA8081	319-84-6	07/11/11
b-BHC	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	319-85-7	07/11/11
d-BHC	0.0100 U	ug/L	1.00	0.0100	0.0200	10177566	EPA8081	319-86-8	07/11/11
Surr:Decachlorobiphenyl (80-120%)	80.86%		1.00	0.000100	0.000200	10177566	EPA8081		07/11/11
Arochlor 1016	0.100 U	ug/L	1.00	0.100	0.200	10177588	EPA8082	12674-11-2	07/11/11
Arochlor 1221	0.100 U	ug/L	1.00	0.100	0.200	10177588	EPA8082	11104-28-2	07/11/11
Arochlor 1232	0.100 U	ug/L	1.00	0.100	0.200	10177588	EPA8082	11141-16-5	07/11/11
Arochlor 1242	0.100 U	ug/L	1.00	0.100	0.200	10177588	EPA8082	53469-21-9	07/11/11
Arochlor 1248	0.100 U	ug/L	1.00	0.100	0.200	10177588	EPA8082	12672-29-6	07/11/11
Arochlor 1254	0.100 U	ug/L	1.00	0.100	0.200	10177588	EPA8082	11097-69-1	07/11/11
Arochlor 1260	0.100 U	ug/L	1.00	0.100	0.200	10177588	EPA8082	11096-82-5	07/11/11
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177628	EPA8011	096-18-4	06/29/11
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10177628	EPA8011	106-93-4	06/29/11



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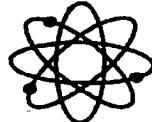
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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10177628	EPA8011	96-12-8	06/29/11
Disulfoton	0.300 U	ug/L	1.00	0.300	2.00	10177665	EPA8141	298-04-4	07/07/11
Ethyl Parathion	0.500 U	ug/L	1.00	0.500	1.00	10177665	EPA8141	56382	07/07/11
Methyl Parathion	0.500 U	ug/L	1.00	0.500	1.00	10177665	EPA8141	298-00-0	07/07/11
Phorate	1.00 U	ug/L	1.00	1.00	2.00	10177665	EPA8141	298-02-2	07/07/11
Total Sulfide	1.40	mg/L	1.00	0.100	0.200	10178069	SM4500-S F	18496-25-8	06/24/11

Lab #: 152873WW2 Sampled: 06/23/11 12:00 AM Desc: Trip blank

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	630-20-6	06/29/11
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	71-55-6	06/29/11
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10176847	EPA8260	79-34-5	06/29/11
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	79-00-5	06/29/11
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-34-3	06/29/11
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-35-4	06/29/11
1,1-Dichloropropene	0.200 U	ug/L	1.00	0.200	0.400	10176847	EPA8260	563-58-6	06/29/11
1,2,4-trichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	120-82-1	06/29/11
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	107-06-2	06/29/11
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10176847	EPA8260	78-87-5	06/29/11
1,3-Dichloropropane	0.300 U	ug/L	1.00	0.300	0.600	10176847	EPA8260	142-28-9	06/29/11
2,2-Dichloropropane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	594-20-7	06/29/11
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	591-78-6	06/29/11
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10176847	EPA8260	67-64-1	06/29/11
Acetonitrile	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	75-05-8	06/29/11
Acrolein	3.50 U	ug/L	1.00	3.50	7.00	10176847	EPA8260	107-02-8	06/29/11
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10176847	EPA8260	107-13-1	06/29/11
Allyl Chloride	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	107-05-1	06/29/11
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	71-43-2	06/29/11
Bromochloromethane	0.100 U	ug/L	1.00	0.100	1.00	10176847	EPA8260	074-97-5	06/29/11



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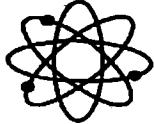
Phone: 407-339-5984 / Fax: 407-260-6110 E83018 (Main Lab)
Phone: 772-343-8006 / Fax: 772-343-8089 E86562 (South Lab)
Phone: 850-973-6878 / Fax: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 / Fax: 305-743-8598 E35834 (Keys Lab)

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

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Lab #: 152873WW2 Sampled: 06/23/11 12:00 AM Desc: Trip blank

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10176847	EPA8260	75-27-4	06/29/11
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-25-2	06/29/11
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	74-83-9	06/29/11
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	75-15-0	06/29/11
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	56-23-5	06/29/11
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	108-90-7	06/29/11
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-00-3	06/29/11
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	67-66-3	06/29/11
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	74-87-3	06/29/11
Chloroprene	5.00 U	ug/L	1.00	5.00	10.0	10176847	EPA8260	126-99-8	06/29/11
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10176847	EPA8260	124-48-1	06/29/11
Dichlorodifluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-71-8	06/29/11
Ethyl methacrylate	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	97-63-2	06/29/11
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	100-41-4	06/29/11
Iso-butyl Alcohol	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	78-83-1	06/29/11
Methacrylonitrile	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	126-98-7	06/29/11
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	074-88-4	06/29/11
Methyl Methacrylate	2.00 U	ug/L	1.00	2.00	4.00	10176847	EPA8260	80-62-6	06/29/11
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	108-10-1	06/29/11
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	75-09-2	06/29/11
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	106-46-7	06/29/11
Propionitrile	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	107-12-0	06/29/11
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	100-42-5	06/29/11
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	127-18-4	06/29/11
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	108-88-3	06/29/11
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	79-01-6	06/29/11
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-69-4	06/29/11
Vinyl Acetate	5.00 U	ug/L	1.00	5.00	10.0	10176847	EPA8260	108-05-4	06/29/11
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	75-01-4	06/29/11



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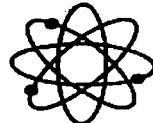
E83018 (Main Lab)
E86562 (South Lab)
E82405 (North Lab)
E35834 (Keys Lab)

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

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Lab #: 152873WW2 Sampled: 06/23/11 12:00 AM Desc: Trip blank

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	1330-20-7	06/29/11	
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10176847	EPA8260	156-59-2	06/29/11	
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	10061-01-5	06/29/11	
m-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	541-73-1	06/29/11	
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	95-50-1	06/29/11	
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	156-60-5	06/29/11	
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10176847	EPA8260	10061-02-6	06/29/11	
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10176847	EPA8260	110-57-6	06/29/11	
Surr:1,2-Dichloroethane-d4 (72-132%)	102.60%			1.00	0.0100	0.0100	10176847	EPA8260	06/29/11	
Surr:Bromofluorobenzene (87-114%)	89.27%			1.00	1.00	1.00	10176847	EPA8260	460-00-4	06/29/11
Surr:Toluene-d8 (92-106%)	95.73%			1.00	0.0100	0.0100	10176847	EPA8260	06/29/11	



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Quality Report

Quality Control Batch: 10176542

Blank
Nitrate(as N)

Analyst: PCW

Result	Units
0.0100U	mg/L

Quality Control Batch: 10176731

Blank
Dinoseb
2,4,5-T
2,4,5-TP (Silvex)
2,4-D

Analyst: DLJ

Result	Units
0.250U	ug/L

Laboratory Control Sample

Dinoseb
2,4,5-TP (Silvex)
2,4-D

Result	Units	Spike	%REC	%REC Lim
0.257	ug/L	0.250	102.96	10.00-120.00
0.267	ug/L	0.250	106.74	80.00-120.00
0.265	ug/L	0.250	105.96	80.00-120.00

Matrix Spike

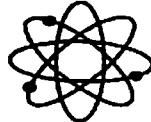
Dinoseb
2,4,5-T
2,4,5-TP (Silvex)
2,4-D

Result	Units	Spike	%REC	%REC Lim	Sample
0.294	ug/L	0.250	117.54	80.00-120.00	0.250U
0.288	ug/L	0.250	115.40	80.00-120.00	0.250U
0.256	ug/L	0.250	102.25	80.00-120.00	0.250U
0.247	ug/L	0.250	98.88	80.00-120.00	0.250U

Matrix Spike Duplicate

Dinoseb

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
0.258	ug/L	0.250	103.15	80.00-120.00	0.250U	13.03	20.00



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Quality Control Batch: 10176731

Matrix Spike Duplicate

2,4,5-T

2,4,5-TP (Silvex)

2,4-D

Analyst: DLJ

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
2,4,5-T	0.238	ug/L	0.250	95.17	80.00-120.00	0.250U	19.22	20.00
2,4,5-TP (Silvex)	0.275	ug/L	0.250	109.89	80.00-120.00	0.250U	7.20	20.00
2,4-D	0.271	ug/L	0.250	108.60	80.00-120.00	0.250U	9.37	20.00

Quality Control Batch: 10176847

Blank

Acetone

Acetonitrile

Acrolein

Acrylonitrile

Allyl Chloride

Benzene

Bromochloromethane

Bromodichloromethane

Bromoform

Bromomethane

Carbon Disulfide

Carbon Tetrachloride

Chlorobenzene

Chloroethane

Chloroform

Chloromethane

Chloroprene

cis-1,2-dichloroethene

cis-1,3-Dichloropropene

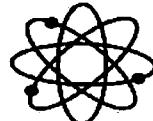
Dibromochloromethane

Dichlorodifluoromethane

Ethyl methacrylate

Analyst: CLS

	Result	Units
Blank	5.000U	ug/L
Acetone	1.000U	ug/L
Acetonitrile	3.500U	ug/L
Acrolein	0.300U	ug/L
Acrylonitrile	1.000U	ug/L
Allyl Chloride	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	1.000U	ug/L
Carbon Tetrachloride	0.500U	ug/L
Chlorobenzene	0.500U	ug/L
Chloroethane	0.500U	ug/L
Chloroform	0.500U	ug/L
Chloromethane	0.500U	ug/L
Chloroprene	5.000U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
Dibromochloromethane	0.400U	ug/L
Dichlorodifluoromethane	0.500U	ug/L
Ethyl methacrylate	0.500U	ug/L



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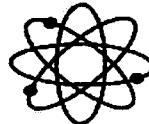
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
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Quality Control Batch: 10176847

Blank
Ethylbenzene
Iso-butyl Alcohol
Methacrylonitrile
Methyl Iodide
Methyl isobutyl ketone
Methyl Methacrylate
Methylene chloride
m-dichlorobenzene
o-dichlorobenzene
Para-dichlorobenzene
Propionitrile
Styrene
Tetrachloroethene
Toluene
trans-1,2-dichloroethene
trans-1,3,-Dichloropropene
trans-1,4-dichloro-2-butene
Trichloroethene
Trichlorofluoromethane
Vinyl Acetate
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
1,1-Dichloropropene

Analyst: CLS

	Result	Units
Blank	0.500U	ug/L
Ethylbenzene	1.00U	ug/L
Iso-butyl Alcohol	0.500U	ug/L
Methacrylonitrile	1.00U	ug/L
Methyl Iodide	1.00U	ug/L
Methyl isobutyl ketone	1.00U	ug/L
Methyl Methacrylate	2.00U	ug/L
Methylene chloride	1.00U	ug/L
m-dichlorobenzene	0.500U	ug/L
o-dichlorobenzene	0.500U	ug/L
Para-dichlorobenzene	0.500U	ug/L
Propionitrile	1.00U	ug/L
Styrene	0.500U	ug/L
Tetrachloroethene	0.500U	ug/L
Toluene	0.500U	ug/L
trans-1,2-dichloroethene	0.500U	ug/L
trans-1,3,-Dichloropropene	0.500U	ug/L
trans-1,4-dichloro-2-butene	1.00U	ug/L
Trichloroethene	0.500U	ug/L
Trichlorofluoromethane	0.500U	ug/L
Vinyl Acetate	5.00U	ug/L
Vinyl chloride	0.500U	ug/L
Xylenes	1.00U	ug/L
1,1,1,2-Tetrachloroethane	0.500U	ug/L
1,1,1-Trichloroethane	0.500U	ug/L
1,1,2,2-Tetrachloroethane	0.100U	ug/L
1,1,2-Trichloroethane	0.500U	ug/L
1,1-Dichloroethane	0.500U	ug/L
1,1-Dichloroethene	0.500U	ug/L
1,1-Dichloropropene	0.200U	ug/L



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PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
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Quality Control Batch: 10176847**Blank**

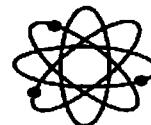
1,2,4-trichlorobenzene
1,2-dichloroethane
1,2-dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
2-Hexanone
Surr:Bromofluorobenzene
Surr:Toluene-d8
Surr:1,2-Dichloroethane-d4

Analyst: CLS

	Result	Units
1,2,4-trichlorobenzene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
1,3-Dichloropropane	0.300U	ug/L
2,2-Dichloropropane	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	26.5	ug/L
Surr:Toluene-d8	28.7	ug/L
Surr:1,2-Dichloroethane-d4	29.4	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Acetone	10.7	ug/L	10.0	106.50	44.22-164.79
Acrylonitrile	8.95	ug/L	10.0	89.50	80.00-120.00
Benzene	9.68	ug/L	10.0	96.80	64.36-139.03
Bromochloromethane	9.57	ug/L	10.0	95.70	68.27-131.19
Bromodichloromethane	10.0	ug/L	10.0	100.00	70.41-126.03
Bromoform	9.47	ug/L	10.0	94.70	70.24-114.48
Bromomethane	10.1	ug/L	10.0	100.60	49.67-145.99
Carbon Disulfide	9.86	ug/L	10.0	98.60	83.60-153.71
Carbon Tetrachloride	9.28	ug/L	10.0	92.80	63.60-134.33
Chlorobenzene	9.71	ug/L	10.0	97.10	73.03-125.71
Chloroethane	10.0	ug/L	10.0	100.40	49.71-148.70
Chloroform	9.76	ug/L	10.0	97.60	65.54-135.88
Chloromethane	11.3	ug/L	10.0	112.50	46.14-154.11
cis-1,2-dichloroethene	9.11	ug/L	10.0	91.10	73.43-127.57
cis-1,3-Dichloropropene	8.93	ug/L	10.0	89.30	65.49-128.84
Dibromochloromethane	9.74	ug/L	10.0	97.40	65.15-121.82
Dichlorodifluoromethane	9.66	ug/L	10.0	96.60	18.36-158.14
Ethylbenzene	9.27	ug/L	10.0	92.70	70.12-127.23



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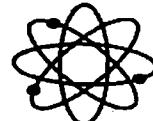
Atkins
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Quality Control Batch: 10176847

Laboratory Control Sample

	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim
Methyl Iodide		9.11	ug/L	10.0	91.10	63.10-157.42
Methyl isobutyl ketone		8.56	ug/L	10.0	85.60	46.58-130.98
Methylene chloride		10.8	ug/L	10.0	108.40	62.85-137.27
m-dichlorobenzene		9.41	ug/L	10.0	94.10	40.66-145.72
o-dichlorobenzene		9.33	ug/L	10.0	93.30	44.50-142.23
Para-dichlorobenzene		9.71	ug/L	10.0	97.10	43.83-141.08
Styrene		9.38	ug/L	10.0	93.80	71.53-117.89
Tetrachloroethene		9.84	ug/L	10.0	98.40	35.20-148.18
Toluene		9.75	ug/L	10.0	97.50	65.19-134.00
trans-1,2-dichloroethene		9.45	ug/L	10.0	94.50	66.82-136.46
trans-1,3,-Dichloropropene		9.26	ug/L	10.0	92.60	65.53-121.98
Trichloroethene		9.52	ug/L	10.0	95.20	63.97-142.54
Trichlorofluoromethane		9.03	ug/L	10.0	90.30	39.58-153.81
Vinyl chloride		10.1	ug/L	10.0	100.50	54.47-145.24
Xylenes		27.7	ug/L	30.0	92.17	73.00-123.54
1,1,1,2-Tetrachloroethane		9.69	ug/L	10.0	96.90	73.97-127.04
1,1,1-Trichloroethane		9.83	ug/L	10.0	98.30	66.59-134.35
1,1,2,2-Tetrachloroethane		9.74	ug/L	10.0	97.40	71.08-136.85
1,1,2-Trichloroethane		9.69	ug/L	10.0	96.90	73.99-125.79
1,1-Dichloroethane		9.84	ug/L	10.0	98.40	67.29-132.60
1,1-Dichloroethene		9.34	ug/L	10.0	93.40	63.17-142.76
1,1-Dichloropropene		9.55	ug/L	10.0	95.50	61.12-141.42
1,2,4-trichlorobenzene		8.98	ug/L	10.0	89.80	13.80-141.81
1,2-dichloroethane		9.34	ug/L	10.0	93.40	68.84-132.69
1,2-dichloropropane		9.79	ug/L	10.0	97.90	70.37-130.52
1,3-Dichloropropane		9.50	ug/L	10.0	95.00	65.93-133.87
2,2-Dichloropropane		9.19	ug/L	10.0	91.90	71.83-142.38
2-Hexanone		8.67	ug/L	10.0	86.70	58.02-137.10
Surr:Bromofluorobenzene		29.9	ug/L	30.0	99.80	87.87-114.57



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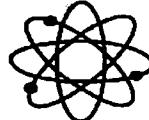
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Quality Control Batch: 10176847**Laboratory Control Sample**

	Result	Units	Spike	%REC	%REC Lim
Surr:Toluene-d8	29.8	ug/L	30.0	99.20	92.32-106.32
Surr:1,2-Dichloroethane-d4	30.1	ug/L	30.0	100.30	72.45-132.28

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	18.7	ug/L	20.0	93.45	67.65-134.86	5.00U
Acrylonitrile	15.1	ug/L	20.0	75.65	80.00-120.00	0.300U
Benzene	15.3	ug/L	20.0	76.40	70.90-144.84	0.500U
Bromochloromethane	15.6	ug/L	20.0	78.05	65.80-139.77	0.100U
Bromodichloromethane	21.7	ug/L	20.0	82.80	67.28-135.19	5.11
Bromoform	15.0	ug/L	20.0	75.05	56.51-134.18	0.500U
Bromomethane	15.9	ug/L	20.0	79.45	55.40-143.83	0.500U
Carbon Tetrachloride	16.0	ug/L	20.0	80.10	55.37-146.55	0.500U
Chlorobenzene	15.1	ug/L	20.0	75.35	72.24-135.75	0.500U
Chloroethane	15.6	ug/L	20.0	78.00	61.20-148.73	0.500U
Chloroform	70.1	ug/L	20.0	113.35	61.15-145.99	47.4
Chloromethane	17.3	ug/L	20.0	86.55	41.63-161.18	0.500U
cis-1,2-dichloroethene	15.7	ug/L	20.0	78.60	69.18-138.74	0.200U
cis-1,3-Dichloropropene	15.2	ug/L	20.0	75.80	64.73-137.03	0.500U
Dibromochloromethane	15.5	ug/L	20.0	77.55	63.13-130.57	0.400U
Dichlorodifluoromethane	15.6	ug/L	20.0	77.75	31.65-144.18	0.500U
Ethylbenzene	15.1	ug/L	20.0	75.50	67.08-140.71	0.500U
Methyl Iodide	16.1	ug/L	20.0	80.30	51.49-160.21	1.00U
Methyl isobutyl ketone	13.9	ug/L	20.0	69.70	58.07-134.40	1.00U
Methylene chloride	14.8	ug/L	20.0	74.00	43.03-144.94	1.00U
m-dichlorobenzene	15.1	ug/L	20.0	75.65	62.89-140.90	0.500U
o-dichlorobenzene	15.4	ug/L	20.0	77.20	63.92-142.47	0.500U
Para-dichlorobenzene	16.1	ug/L	20.0	80.30	62.18-140.20	0.500U
Styrene	15.1	ug/L	20.0	75.70	59.69-133.09	0.500U
Tetrachloroethene	15.1	ug/L	20.0	75.65	26.49-179.55	0.500U



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PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
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Quality Control Batch: 10176847**Matrix Spike**

Toluene
trans-1,2-dichloroethene
trans-1,3,-Dichloropropene
Trichloroethylene
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
1,1-Dichloropropene
1,2,4-trichlorobenzene
1,2-dichloroethane
1,2-dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
2-Hexanone
Surr:Bromofluorobenzene
Surr:Toluene-d8
Sur:1,2-Dichloroethane-d4

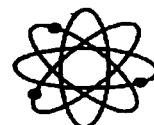
Analyst: CLS

	Result	Units	Spike	%REC	%REC Lim	Sample
Toluene	15.4	ug/L	20.0	76.90	73.78-135.69	0.500U
trans-1,2-dichloroethene	15.7	ug/L	20.0	78.65	67.71-144.66	0.500U
trans-1,3,-Dichloropropene	15.3	ug/L	20.0	76.55	62.34-133.45	0.500U
Trichloroethylene	15.6	ug/L	20.0	77.85	76.73-139.36	0.500U
Trichlorofluoromethane	15.2	ug/L	20.0	76.00	37.37-163.55	0.500U
Vinyl chloride	16.3	ug/L	20.0	81.25	47.49-148.30	0.500U
Xylenes	45.6	ug/L	60.0	76.07	66.23-138.17	1.00U
1,1,1,2-Tetrachloroethane	15.0	ug/L	20.0	75.10	68.52-134.88	0.500U
1,1,1-Trichloroethane	15.9	ug/L	20.0	79.60	63.11-144.82	0.500U
1,1,2,2-Tetrachloroethane	14.9	ug/L	20.0	74.25	76.91-137.92	0.100U
1,1,2-Trichloroethane	15.0	ug/L	20.0	74.95	75.95-130.07	0.500U
1,1-Dichloroethane	16.6	ug/L	20.0	83.15	67.13-143.45	0.500U
1,1-Dichloroethene	16.9	ug/L	20.0	84.65	53.27-152.47	0.500U
1,1-Dichloropropene	15.7	ug/L	20.0	78.50	64.87-147.65	0.200U
1,2,4-trichlorobenzene	15.0	ug/L	20.0	75.10	24.67-160.79	0.500U
1,2-dichloroethane	15.0	ug/L	20.0	74.90	63.86-141.06	0.500U
1,2-dichloropropane	15.7	ug/L	20.0	78.50	70.78-140.20	0.200U
1,3-Dichloropropane	15.4	ug/L	20.0	76.85	72.25-135.89	0.300U
2,2-Dichloropropane	15.7	ug/L	20.0	78.70	59.34-153.61	0.500U
2-Hexanone	14.3	ug/L	20.0	71.45	64.85-147.78	0.500U
Surr:Bromofluorobenzene	28.9	ug/L	30.0	96.23	35.94-152.67	
Surr:Toluene-d8	29.4	ug/L	30.0	98.07	91.07-107.45	
Sur:1,2-Dichloroethane-d4	29.0	ug/L	30.0	96.67	68.91-125.27	

Matrix Spike Duplicate

Acetone
Acrylonitrile
Benzene
Bromochloromethane

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	22.3	ug/L	20.0	111.70	67.65-134.86	5.00U	17.79	42.67
Acrylonitrile	17.4	ug/L	20.0	86.80	80.00-120.00	0.300U	13.73	20.00
Benzene	16.6	ug/L	20.0	83.05	70.90-144.84	0.500U	8.34	19.89
Bromochloromethane	17.0	ug/L	20.0	85.20	65.80-139.77	0.100U	8.76	14.78



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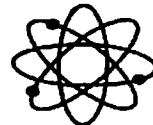
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PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Quality Control Batch: 10176847

Matrix Spike Duplicate

	Analyst: CLS							
	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Bromodichloromethane	24.2	ug/L	20.0	95.50	67.28-135.19	5.11	11.07	14.97
Bromoform	18.3	ug/L	20.0	91.45	56.51-134.18	0.500U	19.70	30.42
Bromomethane	18.8	ug/L	20.0	93.95	55.40-143.83	0.500U	16.72	29.70
Carbon Tetrachloride	17.2	ug/L	20.0	86.20	55.37-146.55	0.500U	7.34	22.74
Chlorobenzene	18.1	ug/L	20.0	90.70	72.24-135.75	0.500U	18.49	17.72
Chloroethane	17.2	ug/L	20.0	85.75	61.20-148.73	0.500U	9.47	22.67
Chloroform	71.3	ug/L	20.0	119.60	61.15-145.99	47.4	1.77	20.26
Chloromethane	19.9	ug/L	20.0	99.35	41.63-161.18	0.500U	13.77	21.64
cis-1,2-dichloroethene	17.3	ug/L	20.0	86.65	69.18-138.74	0.200U	9.74	18.35
cis-1,3-Dichloropropene	17.7	ug/L	20.0	88.50	64.73-137.03	0.500U	15.46	19.38
Dibromochloromethane	18.2	ug/L	20.0	91.10	63.13-130.57	0.400U	16.07	20.87
Dichlorodifluoromethane	17.4	ug/L	20.0	86.80	31.65-144.18	0.500U	11.00	21.17
Ethylbenzene	17.7	ug/L	20.0	88.40	67.08-140.71	0.500U	15.74	19.35
Methyl Iodide	18.7	ug/L	20.0	93.55	51.49-160.21	1.00U	15.24	25.67
Methyl isobutyl ketone	17.4	ug/L	20.0	87.15	58.07-134.40	1.00U	22.25	18.73
Methylene chloride	16.0	ug/L	20.0	79.80	43.03-144.94	1.00U	7.54	29.04
m-dichlorobenzene	17.2	ug/L	20.0	86.10	62.89-140.90	0.500U	12.92	22.36
o-dichlorobenzene	17.5	ug/L	20.0	87.25	63.92-142.47	0.500U	12.22	19.30
Para-dichlorobenzene	17.9	ug/L	20.0	89.50	62.18-140.20	0.500U	10.84	18.19
Styrene	17.7	ug/L	20.0	88.55	59.69-133.09	0.500U	15.65	26.36
Tetrachloroethene	17.1	ug/L	20.0	85.55	26.49-179.55	0.500U	12.28	27.66
Toluene	17.9	ug/L	20.0	89.45	73.78-135.69	0.500U	15.09	13.90
trans-1,2-dichloroethene	17.4	ug/L	20.0	87.15	67.71-144.66	0.500U	10.25	21.73
trans-1,3,-Dichloropropene	17.9	ug/L	20.0	89.65	62.34-133.45	0.500U	15.76	37.99
Trichloroethene	18.4	ug/L	20.0	92.05	76.73-139.36	0.500U	16.72	14.38
Trichlorofluoromethane	16.1	ug/L	20.0	80.50	37.37-163.55	0.500U	5.75	36.13
Vinyl chloride	17.8	ug/L	20.0	89.00	47.49-148.30	0.500U	9.10	19.23
Xylenes	52.8	ug/L	60.0	87.97	66.23-138.17	1.00U	14.51	19.90
1,1,1,2-Tetrachloroethane	17.7	ug/L	20.0	88.60	68.52-134.88	0.500U	16.49	20.21



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PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Quality Control Batch: 10176847**Matrix Spike Duplicate**

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,1-Dichloropropene
1,2,4-trichlorobenzene
1,2-dichloroethane
1,2-dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
2-Hexanone
Surr:Bromofluorobenzene
Surr:Toluene-d8
Surr:1,2-Dichloroethane-d4

Analyst: CLS

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
17.0	ug/L	20.0	84.95	63.11-144.82	0.500U	6.50	20.15
17.4	ug/L	20.0	86.95	76.91-137.92	0.100U	15.76	19.19
17.3	ug/L	20.0	86.50	75.95-130.07	0.500U	14.31	26.33
18.1	ug/L	20.0	90.55	67.13-143.45	0.500U	8.52	22.19
18.9	ug/L	20.0	94.40	53.27-152.47	0.500U	10.89	22.64
17.3	ug/L	20.0	86.50	64.87-147.65	0.200U	9.70	22.54
17.2	ug/L	20.0	85.90	24.67-160.79	0.500U	13.42	8.90
16.7	ug/L	20.0	83.60	63.86-141.06	0.500U	10.98	32.22
18.1	ug/L	20.0	90.55	70.78-140.20	0.200U	14.26	14.65
17.4	ug/L	20.0	87.20	72.25-135.89	0.300U	12.62	28.10
17.2	ug/L	20.0	85.75	59.34-153.61	0.500U	8.57	25.44
17.1	ug/L	20.0	85.70	64.85-147.78	0.500U	18.14	31.12
30.5	ug/L	30.0	101.73	35.94-152.67		5.56	9.59
30.2	ug/L	30.0	100.73	91.07-107.45		2.68	5.63
27.9	ug/L	30.0	92.83	68.91-125.27		4.05	9.37

Quality Control Batch: 10176854**Blank**

Mercury

Analyst: EVB

Result	Units
0.0000200U	mg/L

Laboratory Control Sample

Mercury

Result	Units	Spike	%REC	%REC Lim
0.000998	mg/L	0.00100	99.84	90.27-115.31

Matrix Spike

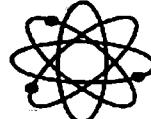
Mercury

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

Matrix Spike Duplicate

Mercury

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



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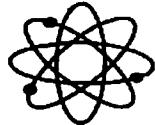
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E83018 (Main Lab)
E86562 (South Lab)
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E35834 (Keys Lab)

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PO #: 40612
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Quality Control Batch: 10176885		Analyst: PCW						
		Result	Units	Spike	%REC	%REC Lim		
Blank		0.00500U	mg/L					
Cyanide								
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim		
Laboratory Control Sample	Cyanide	0.108	mg/L	0.100	108.00	60.92-124.33		
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample	
Matrix Spike	Cyanide	0.0808	mg/L	0.0800	104.09	59.99-123.92	-0.00247	
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample	RPD
Matrix Spike Duplicate	Cyanide	0.0809	mg/L	0.0800	104.21	59.99-123.92	-0.00247	0.12
								11.15
Quality Control Batch: 10176924		Analyst: PLB						
Blank		Result	Units	Spike	%REC	%REC Lim		
Blank		2.50U	mg/L					
TDS								
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim		
Laboratory Control Sample	TDS	1570	mg/L	1500	104.93	91.15-105.70		
Quality Control Batch: 10176940		Analyst: VLB						
Blank		Result	Units	Spike	%REC	%REC Lim		
Blank		4.00U	mg/L					
Chloride								
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim		
Laboratory Control Sample	Chloride	20.4	mg/L	20.0	101.85	80.00-120.00		
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample	
Matrix Spike	Chloride	64.9	mg/L	50.0	108.46	80.00-120.00	10.6	



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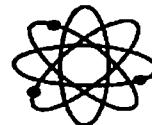
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Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	59.6	mg/L	50.0	97.94	80.00-120.00	10.6	8.45	20.00

Quality Control Batch: 10177029

	Analyst: CLS	Result	Units
Blank		2.00U	ug/L
Acenaphthene		2.00U	ug/L
Acenaphthylene		10.0U	ug/L
Acetophenone		2.00U	ug/L
Anthracene		0.200U	ug/L
Benzo(a)anthracene		1.00U	ug/L
Benzo(a)pyrene		0.100U	ug/L
Benzo(b)fluoranthene		2.00U	ug/L
Benzo(g,h,i)perylene		1.00U	ug/L
Benzo(k)fluoranthene		5.00U	ug/L
Benzyl alcohol		2.00U	ug/L
Bis(2-chloroethoxy)methane		2.00U	ug/L
Bis(2-chloroethyl)ether		3.00U	ug/L
Bis(2-ethylhexyl)phthalate		3.00U	ug/L
Butyl benzyl phthalate		0.800U	ug/L
Chlorobenzilate		2.00U	ug/L
Chrysene		2.00U	ug/L
Diallate		5.00U	ug/L
Dibenzofuran		0.200U	ug/L
Dibenz(a,h)anthracene		3.00U	ug/L
Diethylphthalate		2.00U	ug/L
Dimethoate		10.0U	ug/L
Dimethylphthalate		3.00U	ug/L
Diphenylamine		3.00U	ug/L
Di-n-butylphthalate		20.0U	ug/L
Di-n-octylphthalate		3.00U	ug/L
Ethyl methanesulfonate		3.00U	ug/L



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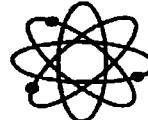
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Quality Control Batch: 10177029

	Analyst: CLS	
	Result	Units
Blank	2.00U	ug/L
Famphur	2.00U	ug/L
Fluoranthene	2.00U	ug/L
Fluorene	2.00U	ug/L
Hexachlorobenzene	1.00U	ug/L
Hexachlorobutadiene	2.00U	ug/L
Hexachlorocyclopentadiene	2.00U	ug/L
Hexachloroethane	2.00U	ug/L
Hexachloropropene	10.0U	ug/L
Indeno(1,2,3-cd)pyrene	0.200U	ug/L
Isodrin	20.0U	ug/L
Isophorone	2.00U	ug/L
Isosafrole	10.0U	ug/L
Kepone	2.00U	ug/L
Methapyrilene	20.0U	ug/L
Methyl methanesulfonate	10.0U	ug/L
m-Cresol	10.0U	ug/L
m-Dinitrobenzene	2.00U	ug/L
m-nitroaniline	2.00U	ug/L
Naphthalene	2.00U	ug/L
Nitrobenzene	2.00U	ug/L
N-Nitroso di-n-butylamine	2.00U	ug/L
N-Nitrosodiethylamine	3.00U	ug/L
N-Nitrosodimethylamine	3.00U	ug/L
N-Nitrosodiphenylamine	2.00U	ug/L
N-Nitrosodi-n-propylamine	2.00U	ug/L
N-Nitrosomethylmethylenamine	2.00U	ug/L
N-Nitrosopiperidine	10.0U	ug/L
N-Nitrosopyrrolidine	2.00U	ug/L
O,O,O-Triethylphosphorothioate	10.0U	ug/L



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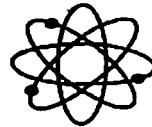
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Quality Control Batch: 10177029

Blank
O,O-diethyl-0,2-pyrazinylphosphorothioate
o-Cresol
o-nitroaniline
o-Toluidine
Pentachlorobenzene
Pentachloronitrobenzene
Pentachlorophenol
Phenacetin
Phenanthrene
Phenol
Pronamide
Pyrene
p-Chloroaniline
p-Chloro-m-Cresol
p-Cresol
p-nitroaniline
p-Phenylenediamine
p-(Dimethylamino)azobenzene
Saffrole
Trinitrobenzene
1,2,4,5-Tetrachlorobenzene
1,4-Naphthoquinone
1-Naphthalamine
2,3,4,6-Tetrachlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol

Analyst: CLS

Result	Units
10.0U	ug/L
2.00U	ug/L
10.0U	ug/L
2.00U	ug/L
0.300U	ug/L
0.300U	ug/L
0.400U	ug/L
20.0U	ug/L
2.00U	ug/L
2.00U	ug/L
10.0U	ug/L
2.00U	ug/L
10.0U	ug/L
2.00U	ug/L
2.00U	ug/L
2.00U	ug/L
10.0U	ug/L
10.0U	ug/L
2.00U	ug/L
10.0U	ug/L
10.0U	ug/L
2.00U	ug/L
1.00U	ug/L
2.00U	ug/L
1.00U	ug/L
2.00U	ug/L
5.00U	ug/L



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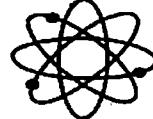
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Quality Control Batch: 10177029

Blank	Analyst: CLS	Result	Units
2,4-Dinitrotoluene	0.200U	ug/L	
2,6-Dichlorophenol	1.00U	ug/L	
2,6-Dinitrotoluene	2.00U	ug/L	
2-Acetylaminofluorene	10.0U	ug/L	
2-Chloronaphthalene	2.00U	ug/L	
2-chlorophenol	2.00U	ug/L	
2-methyl-Naphthalene	2.00U	ug/L	
2-methyl-4,6-dinitrophenol	2.00U	ug/L	
2-Naphthylamine	2.00U	ug/L	
2-Nitrophenol	2.00U	ug/L	
3,3'-Dichlorobenzidine	2.00U	ug/L	
3,3'-Dimethylbenzidine	2.00U	ug/L	
3-Methylcholanthrene	10.0U	ug/L	
4-Aminobiphenyl	10.0U	ug/L	
4-Bromophenylphenyl ether	2.00U	ug/L	
4-Chlorophenylphenyl ether	2.00U	ug/L	
4-Nitrophenol	2.00U	ug/L	
5-Nitro-o-toluidine	2.00U	ug/L	
7,12-Dimethylbenz(a)anthracene	10.0U	ug/L	

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Acenaphthene	46.3	ug/L	50.0	92.68	45.47-106.30
Acenaphthylene	42.8	ug/L	50.0	85.64	32.64-97.67
Anthracene	40.4	ug/L	50.0	80.74	46.95-117.35
Benzo(a)anthracene	47.9	ug/L	50.0	95.72	63.92-123.93
Benzo(a)pyrene	45.8	ug/L	50.0	91.52	57.77-114.86
Benzo(b)fluoranthene	68.4	ug/L	50.0	136.84	18.55-152.84
Benzo(g,h,i)perylene	60.9	ug/L	50.0	121.84	46.24-141.29
Benzo(k)fluoranthene	66.2	ug/L	50.0	132.42	38.74-151.15



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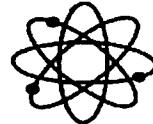
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Quality Control Batch: 10177029

Laboratory Control Sample

	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim
Bis(2-chloroethoxy)methane		30.0	ug/L	50.0	59.90	80.00-120.00
Bis(2-chloroethyl)ether		53.7	ug/L	50.0	107.44	80.00-120.00
Bis(2-ethylhexyl)phthalate		52.9	ug/L	50.0	105.80	80.00-120.00
Butyl benzyl phthalate		23.4	ug/L	50.0	46.82	80.00-120.00
Chrysene		49.4	ug/L	50.0	98.70	68.50-125.79
Dibenz(a,h)anthracene		71.0	ug/L	50.0	141.94	42.48-140.35
Diethylphthalate		17.7	ug/L	50.0	35.32	18.85-127.83
Dimethylphthalate		6.81	ug/L	50.0	13.62	14.66-119.16
Di-n-butylphthalate		32.4	ug/L	50.0	64.80	80.00-120.00
Di-n-octylphthalate		68.7	ug/L	50.0	137.46	80.00-120.00
Fluoranthene		48.6	ug/L	50.0	97.18	11.60-160.65
Fluorene		51.5	ug/L	50.0	102.98	26.80-127.77
Hexachlorobenzene		51.5	ug/L	50.0	102.94	80.00-120.00
Hexachlorobutadiene		34.4	ug/L	50.0	68.80	80.00-120.00
Hexachlorocyclopentadiene		8.85	ug/L	50.0	17.70	14.60-126.19
Hexachloroethane		36.9	ug/L	50.0	73.80	80.00-120.00
Indeno(1,2,3-cd)pyrene		64.6	ug/L	50.0	129.12	56.20-140.46
Isophorone		17.6	ug/L	50.0	35.26	80.00-120.00
Naphthalene		43.1	ug/L	50.0	86.18	22.76-100.00
N-Nitrosodimethylamine		54.5	ug/L	50.0	109.04	80.00-120.00
N-Nitrosodiphenylamine		11.9	ug/L	50.0	23.84	80.00-120.00
N-Nitrosodi-n-propylamine		42.9	ug/L	50.0	85.86	80.00-120.00
o-Cresol		50.3	ug/L	50.0	100.68	80.00-120.00
Pentachlorophenol		56.7	ug/L	50.0	113.40	80.00-120.00
Phenanthrene		52.6	ug/L	50.0	105.10	47.87-122.55
Phenol		46.4	ug/L	50.0	92.78	80.00-120.00
Pyrene		49.1	ug/L	50.0	98.20	45.01-124.30
p-Chloro-m-Cresol		46.8	ug/L	50.0	93.52	80.00-120.00
p-Cresol		44.5	ug/L	50.0	89.04	80.00-120.00



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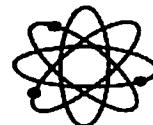
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Quality Control Batch: 10177029**Laboratory Control Sample**

	Analyst: CLS				
	Result	Units	Spike	%REC	%REC Lim
2,4,5-Trichlorophenol	44.5	ug/L	50.0	88.94	80.00-120.00
2,4,6-Trichlorophenol	53.6	ug/L	50.0	107.28	80.00-120.00
2,4-Dichlorophenol	47.3	ug/L	50.0	94.52	80.00-120.00
2,4-Dimethylphenol	44.5	ug/L	50.0	88.90	80.00-120.00
2,4-Dinitrophenol	58.8	ug/L	50.0	117.68	80.00-120.00
2,4-Dinitrotoluene	49.0	ug/L	50.0	97.94	80.00-120.00
2,6-Dinitrotoluene	53.3	ug/L	50.0	106.66	80.00-120.00
2-Chloronaphthalene	38.7	ug/L	50.0	77.34	80.00-120.00
2-chlorophenol	50.9	ug/L	50.0	101.76	80.00-120.00
2-methyl-Naphthalene	42.7	ug/L	50.0	85.34	19.08-101.21
2-methyl-4,6-dinitrophenol	55.0	ug/L	50.0	109.94	80.00-120.00
2-Nitrophenol	48.7	ug/L	50.0	97.48	80.00-120.00
4-Bromophenylphenyl ether	53.3	ug/L	50.0	106.62	80.00-120.00
4-Chlorophenylphenyl ether	52.6	ug/L	50.0	105.20	80.00-120.00
4-Nitrophenol	54.6	ug/L	50.0	109.20	80.00-120.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	43.7	ug/L	50.0	87.42	80.00-120.00	10.0U
Acenaphthylene	44.5	ug/L	50.0	89.00	80.00-120.00	10.0U
Anthracene	38.7	ug/L	50.0	77.30	80.00-120.00	10.0U
Benzo(a)anthracene	44.0	ug/L	50.0	88.08	80.00-120.00	1.00U
Benzo(a)pyrene	36.0	ug/L	50.0	72.08	80.00-120.00	5.00U
Benzo(b)fluoranthene	54.5	ug/L	50.0	109.06	80.00-120.00	0.500U
Benzo(g,h,i)perylene	44.0	ug/L	50.0	87.92	80.00-120.00	10.0U
Benzo(k)fluoranthene	47.1	ug/L	50.0	94.12	80.00-120.00	5.00U
Bis(2-chloroethoxy)methane	41.9	ug/L	50.0	83.88	80.00-120.00	10.0U
Bis(2-chloroethyl)ether	49.4	ug/L	50.0	98.86	80.00-120.00	10.0U
Bis(2-ethylhexyl)phthalate	47.2	ug/L	50.0	94.48	80.00-120.00	15.0U
Butyl benzyl phthalate	22.4	ug/L	50.0	44.76	80.00-120.00	15.0U



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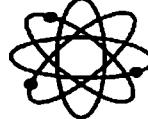
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Quality Control Batch: 10177029**Matrix Spike**

Chrysene
Dibenz(a,h)anthracene
Diethylphthalate
Dimethylphthalate
Di-n-butylphthalate
Di-n-octylphthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-cd)pyrene
Isophorone
Naphthalene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
N-Nitrosodi-n-propylamine
o-Cresol
Pentachlorophenol
Phenanthrene
Phenol
Pyrene
p-Chloro-m-Cresol
p-Cresol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol

Analyst: CLS

	Result	Units	Spike	%REC	%REC Lim	Sample
Chrysene	48.4	ug/L	50.0	96.84	80.00-120.00	10.0U
Dibenz(a,h)anthracene	46.1	ug/L	50.0	92.12	80.00-120.00	1.00U
Diethylphthalate	14.3	ug/L	50.0	28.62	1.00-120.00	15.0U
Dimethylphthalate	5.09	ug/L	50.0	10.18	1.00-120.00	15.0U
Di-n-butylphthalate	30.3	ug/L	50.0	60.52	80.00-120.00	15.0U
Di-n-octylphthalate	47.9	ug/L	50.0	95.84	80.00-120.00	15.0U
Fluoranthene	47.0	ug/L	50.0	94.08	80.00-120.00	10.0U
Fluorene	47.3	ug/L	50.0	94.66	80.00-120.00	10.0U
Hexachlorobenzene	48.6	ug/L	50.0	97.22	80.00-120.00	5.00U
Hexachlorobutadiene	28.3	ug/L	50.0	56.50	80.00-120.00	10.0U
Hexachlorocyclopentadiene	6.37	ug/L	50.0	12.74	21.11-153.35	10.0U
Hexachloroethane	31.7	ug/L	50.0	63.40	80.00-120.00	10.0U
Indeno(1,2,3-cd)pyrene	42.8	ug/L	50.0	85.62	80.00-120.00	1.00U
Isophorone	16.2	ug/L	50.0	32.34	80.00-120.00	10.0U
Naphthalene	41.4	ug/L	50.0	82.86	80.00-120.00	10.0U
N-Nitrosodimethylamine	32.2	ug/L	50.0	64.36	80.00-120.00	15.0U
N-Nitrosodiphenylamine	36.5	ug/L	50.0	72.96	80.00-120.00	10.0U
N-Nitrosodi-n-propylamine	43.8	ug/L	50.0	87.66	80.00-120.00	10.0U
o-Cresol	42.1	ug/L	50.0	84.14	80.00-120.00	10.0U
Pentachlorophenol	58.4	ug/L	50.0	116.72	80.00-120.00	2.00U
Phenanthrene	49.0	ug/L	50.0	97.98	80.00-120.00	10.0U
Phenol	46.8	ug/L	50.0	93.64	80.00-120.00	10.0U
Pyrene	47.9	ug/L	50.0	95.76	80.00-120.00	10.0U
p-Chloro-m-Cresol	45.4	ug/L	50.0	90.82	80.00-120.00	10.0U
p-Cresol	41.9	ug/L	50.0	83.74	80.00-120.00	10.0U
2,4,5-Trichlorophenol	47.4	ug/L	50.0	94.70	80.00-120.00	5.00U
2,4,6-Trichlorophenol	51.2	ug/L	50.0	102.36	80.00-120.00	10.0U
2,4-Dichlorophenol	43.2	ug/L	50.0	86.32	80.00-120.00	5.00U
2,4-Dimethylphenol	46.6	ug/L	50.0	93.12	80.00-120.00	10.0U



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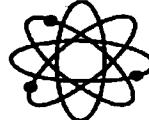
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Quality Control Batch: 10177029

Matrix Spike	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample
2,4-Dinitrophenol		59.9	ug/L	50.0	119.74	80.00-120.00	25.0U
2,4-Dinitrotoluene		44.0	ug/L	50.0	87.90	80.00-120.00	1.00U
2,6-Dinitrotoluene		50.2	ug/L	50.0	100.38	80.00-120.00	10.0U
2-Chloronaphthalene		36.1	ug/L	50.0	72.24	80.00-120.00	10.0U
2-chlorophenol		43.1	ug/L	50.0	86.26	80.00-120.00	10.0U
2-methyl-Naphthalene		40.0	ug/L	50.0	80.08	23.63-87.85	10.0U
2-methyl-4,6-dinitrophenol		55.5	ug/L	50.0	111.02	80.00-120.00	10.0U
2-Nitrophenol		45.1	ug/L	50.0	90.20	80.00-120.00	10.0U
4-Bromophenylphenyl ether		50.2	ug/L	50.0	100.48	80.00-120.00	10.0U
4-Chlorophenylphenyl ether		50.7	ug/L	50.0	101.46	80.00-120.00	10.0U
4-Nitrophenol		54.1	ug/L	50.0	108.14	80.00-120.00	10.0U

Matrix Spike Duplicate

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acenaphthene	ug/L	50.0	87.84	80.00-120.00	10.0U	0.48	16.87
Acenaphthylene	ug/L	50.0	86.08	80.00-120.00	10.0U	3.34	12.28
Anthracene	ug/L	50.0	79.62	80.00-120.00	10.0U	2.96	10.24
Benzo(a)anthracene	ug/L	50.0	86.40	80.00-120.00	1.00U	1.93	23.09
Benzo(a)pyrene	ug/L	50.0	72.00	80.00-120.00	5.00U	0.11	24.56
Benzo(b)fluoranthene	ug/L	50.0	96.32	80.00-120.00	0.500U	12.41	24.52
Benzo(g,h,i)perylene	ug/L	50.0	90.86	80.00-120.00	10.0U	3.29	34.12
Benzo(k)fluoranthene	ug/L	50.0	93.24	80.00-120.00	5.00U	0.94	27.55
Bis(2-chloroethoxy)methane	ug/L	50.0	78.68	80.00-120.00	10.0U	6.40	20.00
Bis(2-chloroethyl)ether	ug/L	50.0	92.08	80.00-120.00	10.0U	7.10	20.00
Bis(2-ethylhexyl)phthalate	ug/L	50.0	95.34	80.00-120.00	15.0U	0.91	20.00
Butyl benzyl phthalate	ug/L	50.0	42.84	80.00-120.00	15.0U	4.38	20.00
Chrysene	ug/L	50.0	84.64	80.00-120.00	10.0U	13.45	24.44
Dibenz(a,h)anthracene	ug/L	50.0	93.52	80.00-120.00	1.00U	1.51	35.13
Diethylphthalate	ug/L	50.0	27.54	1.00-120.00	15.0U	3.85	20.00
Dimethylphthalate	ug/L	50.0	9.04	1.00-120.00	15.0U	11.86	20.00



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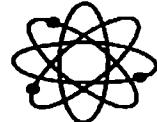
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Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Quality Control Batch: 10177029

Matrix Spike Duplicate

	Analyst: CLS	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Di-n-butylphthalate		27.5	ug/L	50.0	54.92	80.00-120.00	15.0U	9.70	20.00
Di-n-octylphthalate		50.3	ug/L	50.0	100.64	80.00-120.00	15.0U	4.89	20.00
Fluoranthene		43.3	ug/L	50.0	86.56	80.00-120.00	10.0U	8.33	13.55
Fluorene		46.5	ug/L	50.0	93.04	80.00-120.00	10.0U	1.73	26.72
Hexachlorobenzene		47.1	ug/L	50.0	94.28	80.00-120.00	5.00U	3.07	20.00
Hexachlorobutadiene		28.5	ug/L	50.0	56.94	80.00-120.00	10.0U	0.78	20.00
Hexachlorocyclopentadiene		6.89	ug/L	50.0	13.78	21.11-153.35	10.0U	7.84	20.00
Hexachloroethane		29.9	ug/L	50.0	59.88	80.00-120.00	10.0U	5.71	20.00
Indeno(1,2,3-cd)pyrene		43.4	ug/L	50.0	86.70	80.00-120.00	1.00U	1.25	30.67
Isophorone		15.9	ug/L	50.0	31.72	80.00-120.00	10.0U	1.94	20.00
Naphthalene		40.0	ug/L	50.0	79.90	80.00-120.00	10.0U	3.64	33.29
N-Nitrosodimethylamine		36.1	ug/L	50.0	72.16	80.00-120.00	15.0U	11.43	20.00
N-Nitrosodiphenylamine		38.1	ug/L	50.0	76.12	80.00-120.00	10.0U	4.24	20.00
N-Nitrosodi-n-propylamine		36.7	ug/L	50.0	73.34	80.00-120.00	10.0U	17.79	20.00
o-Cresol		52.0	ug/L	50.0	103.90	80.00-120.00	10.0U	21.02	20.00
Pentachlorophenol		57.5	ug/L	50.0	115.04	80.00-120.00	2.00U	1.45	20.00
Phenanthrene		50.5	ug/L	50.0	101.04	80.00-120.00	10.0U	3.08	33.98
Phenol		44.3	ug/L	50.0	88.60	80.00-120.00	10.0U	5.53	20.00
Pyrene		48.3	ug/L	50.0	96.64	80.00-120.00	10.0U	0.91	10.69
p-Chloro-m-Cresol		46.2	ug/L	50.0	92.40	80.00-120.00	10.0U	1.72	20.00
p-Cresol		41.6	ug/L	50.0	83.12	80.00-120.00	10.0U	0.74	20.00
2,4,5-Trichlorophenol		51.4	ug/L	50.0	102.82	80.00-120.00	5.00U	8.22	20.00
2,4,6-Trichlorophenol		50.3	ug/L	50.0	100.68	80.00-120.00	10.0U	1.65	20.00
2,4-Dichlorophenol		43.9	ug/L	50.0	87.80	80.00-120.00	5.00U	1.70	20.00
2,4-Dimethylphenol		44.5	ug/L	50.0	88.96	80.00-120.00	10.0U	4.57	20.00
2,4-Dinitrophenol		55.6	ug/L	50.0	111.22	80.00-120.00	25.0U	7.38	20.00
2,4-Dinitrotoluene		43.8	ug/L	50.0	87.54	80.00-120.00	1.00U	0.41	20.00
2,6-Dinitrotoluene		47.6	ug/L	50.0	95.12	80.00-120.00	10.0U	5.38	20.00
2-Chloronaphthalene		35.7	ug/L	50.0	71.44	80.00-120.00	10.0U	1.11	20.00



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PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Quality Control Batch: 10177029**Matrix Spike Duplicate**

	Analyst: CLS							
	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
2-chlorophenol	40.5	ug/L	50.0	81.02	80.00-120.00	10.0U	6.26	20.00
2-methyl-Naphthalene	38.9	ug/L	50.0	77.84	23.63-87.85	10.0U	2.84	29.88
2-methyl-4,6-dinitrophenol	51.2	ug/L	50.0	102.38	80.00-120.00	10.0U	8.10	20.00
2-Nitrophenol	42.7	ug/L	50.0	85.30	80.00-120.00	10.0U	5.58	20.00
4-Bromophenylphenyl ether	49.8	ug/L	50.0	99.68	80.00-120.00	10.0U	0.80	20.00
4-Chlorophenylphenyl ether	48.8	ug/L	50.0	97.58	80.00-120.00	10.0U	3.90	20.00
4-Nitrophenol	46.1	ug/L	50.0	92.10	80.00-120.00	10.0U	16.02	20.00

Quality Control Batch: 10177073**Blank**

Iron

Sodium

Analyst: EVB

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

Laboratory Control Sample

Iron

Sodium

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

Matrix Spike

Iron

Sodium

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

Matrix Spike Duplicate

Iron

Sodium

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

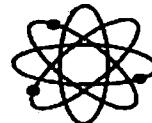
Quality Control Batch: 10177099

Blank

Ammonia (as N)

Analyst: PCW

	Result	Units
Blank	0.0100U	mg/L



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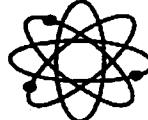
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Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	
Ammonia (as N)	0.499	mg/L	0.500	99.80	81.97-117.96	
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Ammonia (as N)	1.03	mg/L	0.780	78.33	55.89-136.14	0.419
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample
Ammonia (as N)	1.03	mg/L	0.780	78.33	55.89-136.14	0.419
RPD	RPD Lim					

Quality Control Batch: 10177108

	Analyst: EVB
Blank	
Antimony	0.00200U
Arsenic	0.00100U
Barium	0.00200U
Beryllium	0.000500U
Cadmium	0.00100U
Chromium	0.00100U
Cobalt	0.00100U
Copper	0.00100U
Lead	0.00100U
Nickel	0.00100U
Selenium	0.00200U
Silver	0.000500U
Thallium	0.00100U
Tin	0.00500U
Vanadium	0.00100U
Zinc	0.0100U

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.0954	mg/L	0.100	95.35	78.60-123.50
Arsenic	0.0969	mg/L	0.100	96.85	79.68-118.44



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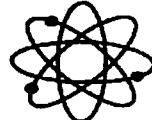
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Quality Control Batch: 10177108**Laboratory Control Sample**

	Analyst: EVB				
	Result	Units	Spike	%REC	%REC Lim
Barium	0.107	mg/L	0.100	107.04	81.72-131.32
Beryllium	0.110	mg/L	0.100	110.23	81.64-139.01
Cadmium	0.0976	mg/L	0.100	97.55	80.79-123.88
Chromium	0.1000	mg/L	0.100	99.98	85.22-123.06
Cobalt	0.110	mg/L	0.100	110.47	89.07-125.30
Copper	0.0961	mg/L	0.100	96.08	82.51-123.71
Lead	0.112	mg/L	0.100	111.70	83.42-124.83
Nickel	0.0973	mg/L	0.100	97.33	83.55-123.47
Selenium	0.0944	mg/L	0.100	94.43	82.24-119.30
Silver	0.0919	mg/L	0.100	91.92	86.34-114.42
Thallium	0.105	mg/L	0.100	105.23	86.25-134.23
Tin	0.0960	mg/L	0.100	95.97	80.00-120.00
Vanadium	0.111	mg/L	0.100	110.52	84.76-127.36
Zinc	0.0908	mg/L	0.100	90.75	82.45-118.29

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.586	mg/L	0.500	113.76	86.92-131.83	0.0167
Arsenic	0.510	mg/L	0.500	100.32	81.53-136.31	0.00793
Barium	0.797	mg/L	0.500	132.54	85.26-158.94	0.134
Beryllium	0.602	mg/L	0.500	120.31	99.97-144.96	0.000500U
Cadmium	0.491	mg/L	0.500	98.20	84.48-130.81	0.00100U
Chromium	0.774	mg/L	0.500	98.12	74.02-143.37	0.283
Cobalt	0.519	mg/L	0.500	103.20	78.94-139.60	0.00349
Copper	0.459	mg/L	0.500	80.68	47.91-153.80	0.0552
Lead	0.511	mg/L	0.500	102.20	74.02-143.60	0.00100U
Nickel	0.440	mg/L	0.500	85.56	69.20-137.76	0.0123
Selenium	0.461	mg/L	0.500	92.26	63.88-151.10	0.00200U
Silver	0.444	mg/L	0.500	88.82	58.57-142.54	0.000500U
Thallium	0.584	mg/L	0.500	116.84	85.59-145.96	0.00100U



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Quality Control Batch: 10177108**Matrix Spike**

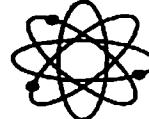
	Result	Units	Spike	%REC	%REC Lim	Sample
Tin	0.543	mg/L	0.500	106.91	77.51-123.13	0.00892
Vanadium	0.556	mg/L	0.500	111.18	79.62-140.38	0.00100U
Zinc	0.467	mg/L	0.500	89.73	47.12-149.18	0.0180

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.578	mg/L	0.500	112.25	86.92-131.83	0.0167	1.30	22.32
Arsenic	0.529	mg/L	0.500	104.29	81.53-136.31	0.00793	3.83	23.32
Barium	0.635	mg/L	0.500	100.04	85.26-158.94	0.134	22.70	22.95
Beryllium	0.597	mg/L	0.500	119.33	99.97-144.96	0.000500U	0.82	24.34
Cadmium	0.493	mg/L	0.500	98.63	84.48-130.81	0.00100U	0.43	23.94
Chromium	0.783	mg/L	0.500	100.01	74.02-143.37	0.283	1.21	24.58
Cobalt	0.515	mg/L	0.500	102.34	78.94-139.60	0.00349	0.83	24.34
Copper	0.463	mg/L	0.500	81.64	47.91-153.80	0.0552	1.05	18.67
Lead	0.507	mg/L	0.500	101.39	74.02-143.60	0.00100U	0.79	21.57
Nickel	0.435	mg/L	0.500	84.56	69.20-137.76	0.0123	1.14	15.20
Selenium	0.740	mg/L	0.500	147.90	63.88-151.10	0.00200U	46.34	24.78
Silver	0.446	mg/L	0.500	89.24	58.57-142.54	0.000500U	0.47	28.58
Thallium	0.593	mg/L	0.500	118.63	85.59-145.96	0.00100U	1.52	14.17
Tin	0.534	mg/L	0.500	104.99	77.51-123.13	0.00892	1.78	20.00
Vanadium	0.564	mg/L	0.500	112.83	79.62-140.38	0.00100U	1.47	21.91
Zinc	0.479	mg/L	0.500	92.19	47.12-149.18	0.0180	2.60	18.17

Quality Control Batch: 10177566

	Analyst: DLJ
Blank	Result Units
Aldrin	0.0200U ug/L
a-BHC	0.0200U ug/L



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

Atkins
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Tampa, FL 33607

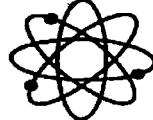
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: Jun 23, 2011
Jul 15, 2011; Invoice: 152873

Quality Control Batch: 10177566

	Analyst: DLJ	
	Result	Units
Blank		
b-BHC	0.0100U	ug/L
Chlordane	0.0100U	ug/L
Dieldrin	0.0200U	ug/L
d-BHC	0.0100U	ug/L
Endosulfan_I	0.0100U	ug/L
Endosulfan_II	0.0100U	ug/L
Endosulfan_sulfate	0.0200U	ug/L
Endrin	0.0100U	ug/L
Endrin_Aldehyde	0.0200U	ug/L
Heptachlor	0.0100U	ug/L
Heptachlor epoxide	0.0100U	ug/L
Lindane (g-BHC)	0.0100U	ug/L
Methoxychlor	0.0100U	ug/L
Toxaphene	0.500U	ug/L
4,4'-DDD	0.0200U	ug/L
4,4'-DDE	0.0200U	ug/L
4,4'-DDT	0.0200U	ug/L
Surr:Decachlorobiphenyl	0.529	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Aldrin	0.0945	ug/L	0.125	75.61	80.00-120.00
a-BHC	0.106	ug/L	0.125	84.98	80.00-120.00
b-BHC	0.109	ug/L	0.125	86.91	80.00-120.00
Chlordane	0.192	ug/L	0.250	76.75	80.00-120.00
Dieldrin	0.0970	ug/L	0.125	77.61	80.00-120.00
d-BHC	0.168	ug/L	0.125	134.56	80.00-120.00
Endosulfan_I	0.0954	ug/L	0.125	76.35	80.00-120.00
Endosulfan_II	0.0897	ug/L	0.125	71.78	80.00-120.00
Endosulfan_sulfate	0.0954	ug/L	0.125	76.32	80.00-120.00



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Quality Control Batch: 10177566**Laboratory Control Sample**

	Analyst: DLJ	Result	Units	Spike	%REC	%REC Lim
Endrin		0.133	ug/L	0.125	106.75	80.00-120.00
Endrin_Aldehyde		0.108	ug/L	0.125	86.73	80.00-120.00
Heptachlor		0.140	ug/L	0.125	111.70	80.00-120.00
Heptachlor epoxide		0.0920	ug/L	0.125	73.59	80.00-120.00
Lindane (g-BHC)		0.0986	ug/L	0.125	78.90	80.00-120.00
Methoxychlor		0.135	ug/L	0.125	108.29	80.00-120.00
4,4'-DDD		0.168	ug/L	0.125	134.79	80.00-120.00
4,4'-DDE		0.126	ug/L	0.125	101.02	80.00-120.00
4,4'-DDT		0.122	ug/L	0.125	97.90	80.00-120.00
Sur:Decachlorobiphenyl		0.517	ug/L	0.500	103.34	80.00-120.00

Quality Control Batch: 10177588**Blank**

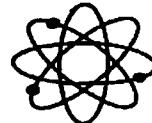
	Analyst: DLJ	Result	Units
Arochlor 1016		0.100U	ug/L
Arochlor 1221		0.100U	ug/L
Arochlor 1232		0.100U	ug/L
Arochlor 1242		0.100U	ug/L
Arochlor 1248		0.100U	ug/L
Arochlor 1254		0.100U	ug/L
Arochlor 1260		0.100U	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Arochlor 1242	11.6	ug/L	10.0	115.97	80.00-120.00

Quality Control Batch: 10177628**Blank**

	Analyst: DLJ	Result	Units
1,2,3-Trichloropropane		0.0200U	ug/L



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Quality Control Batch: 10177628

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

Laboratory Control Sample

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

Matrix Spike

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

Matrix Spike Duplicate

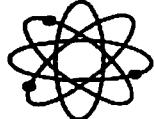
	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2,3-Trichloropropane	0.780	ug/L	0.750	103.99	80.00-120.00	0.0200U	8.24	20.00
1,2-Dibromoethane (EDB)	0.788	ug/L	0.750	105.07	80.00-120.00	0.0100U	2.21	20.00
1,2-dibromo-3-chloropropane	0.769	ug/L	0.750	102.57	80.00-120.00	0.0200U	0.90	20.00

Quality Control Batch: 10177665

	Analyst: DLJ	
	Result	Units
Blank	0.300U	ug/L
Disulfoton	0.500U	ug/L
Ethyl Parathion	0.500U	ug/L
Methyl Parathion	1.00U	ug/L
Phorate		

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Disulfoton	3.87	ug/L	4.00	96.65	80.00-120.00
Methyl Parathion	4.67	ug/L	4.00	116.69	80.00-120.00
Phorate	4.43	ug/L	4.00	110.77	80.00-120.00



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Quality Control Batch: 10178069

Blank

Total Sulfide

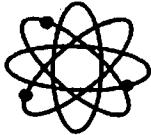
Analyst: CCP

Result	Units
0.100U	mg/L

Laboratory Control Sample

Total Sulfide

Result	Units	Spike	%REC	%REC Lim
20.0	mg/L	20.0	100.00	80.00-120.00



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Narrative Report

Sample Handling

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

Quality Control

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

Attachments

Chain of Custody

Field Data

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

OK
92.6cs

Pelz, Susan

From: Pelz, Susan
Sent: Thursday, June 10, 2010 7:35 AM
To: pgmudd@pbsj.com
Cc: Teresa Carver; Morris, John R.
Subject: Hardee County leachate sampling

Greg,

The Department received 2 paper copies of the report for the Phase II leachate sampling results dated June 3, 2010 for the Hardee County landfill. Please provide a copy of the report in Adapt format (and pdf).

Thanks,

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

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Temple Terrace, Fl. 33637
813-632-7600 x 386
susan.pelz@dep.state.fl.us