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July 11, 2014

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 2014 Sampling Event
Hardee County Landfill
WACS Facility ID No. SWD/25/40612
Permit No. 38414-016-SO/01

Dear Mr. Morris:

On behalf of the Hardee County Solid Waste Department, Atkins presents this review of the results of the first half of 2014 sampling event for the facility referenced above. This document is designed to comply with the requirements of Appendix 3-Water Quality Monitoring Plan, included with the facility's operation 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. In November 2013, the County received a construction permit (38414-015-SC/01) for Phase II Section II Construction. Phase II Section II is located along the west side of the current waste placement area. Also in November 2013, the County received an operation permit associated with the Phase II Sections I & II operation. In early 2014, the County began construction of the waste cell for Phase II Section II. This required abandonment of two existing monitoring wells, abandonment of multiple piezometers, and installation of two new monitoring wells. According to the facility's recently obtained operating permit (38414-016-SO/01), the water quality monitoring network is designed to monitor the groundwater in the surficial aquifer and the surface water. Collection of leachate samples is optional, at the discretion of the County; the leachate sampling results are no longer being reported to FDEP.

The groundwater monitoring network includes eight monitoring wells, which are designated MW-1, MW-2, MW-4, MW-10R, MW-11, MW-12R, MW-13, and MW-14. The facility's permit designates MW-1 and MW-4 as background wells and the other wells as detection wells. Monitoring wells MW-5 and MW-8 were abandoned as part of the Phase II Section II construction, while MW-13 and MW-14 were installed during June 2014. Item 3 of Appendix 3-

Water Quality Monitoring Plan lists the monitoring wells and piezometers applicable to the facility's current operation permit.

There are two other monitoring wells, MW-6 and MW-7, which are designated by the permit as piezometers, along with 12 other piezometers. MW-3, formerly a piezometer, was abandoned as part of the Phase II Section II construction. Please note that the following former piezometers have been abandoned and are no longer included in the operating permit: PZ-1, PZ-2, PZ-3, PZ-4, PZ-5, PZ-6, PZ-9, PZ-10, PZ-15, and PZ-16. The layout of the site is presented in **Figure 1**.

Item 4 of Appendix 3-Water Quality Monitoring Plan of the facility's operation permit specifies that groundwater samples shall be collected from the monitoring wells on a semi-annual 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 Item 4 of Appendix 3 of the facility's operation permit.

Item 8 of Appendix 3-Water Quality Monitoring Plan of the facility's operation permit calls for the collection of a surface water sample from one location, which is designated SW-2. The surface water samples are normally collected during both semi-annual sampling events during the year if sufficient water is present.

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

FIRST HALF 2014 SAMPLING EVENT

The first half 2014 sampling event was conducted on June 11 and 12, 2014. Groundwater and surface water samples were collected during this event. The groundwater and surface water samples were collected in general accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedure for Field Activities (SOP 001/01). Sample collection was performed by Atkins personnel, and analysis was performed by Flowers Chemical Laboratories, Inc. (FCL). FCL is a NELAC-certified laboratory.

Monitoring wells MW-13 and MW-14 were installed and developed on June 9 and 10, 2014. Therefore, this sampling event constitutes the "initial sampling event" for MW-13 and MW-14. As a result, the parameters listed in 40 CFR Part 258, Appendix II were sampled for those two new wells (in addition to the parameters mentioned above). 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 one to 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 the piezometers listed in the permit (except that MW-6 was not accessible at the time). 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**.

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 sections of the facility's operation permit.

FIRST HALF 2014 SAMPLING EVENT RESULTS

Groundwater Flow Pattern

Depth to groundwater measurements were collected at the eight monitoring wells and at 13 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**. A piece of the casing on PZ-7 was cut off, which suggested that the top-of-casing elevation may no longer be accurate, so that point was not contoured in **Figure 2**. The data indicated that the groundwater in the surficial aquifer beneath the landfill was flowing in a southerly direction at the time of this sampling event. The water table gradient measured approximately 0.00256 feet per foot beneath the site (as measured between well MW-1 and well MW-10R). Water level elevations were also measured at two staff gauges located in ponds on the site (SG-1 and SG-2).

Sampling Results

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

Groundwater Analytical Results

There were numerous inorganic analytes detected and one organic analyte (bis-2-ethylhexyl phthalate) detected in the groundwater samples collected and analyzed during this sampling event. The inorganic analyte detections included all of those which are typically part of the analytical program except antimony, beryllium, cadmium, cobalt, copper, lead, mercury, selenium, silver, and thallium. At least one inorganic analyte was detected at every well in the monitoring network. One 40 CFR Part 258, Appendix II parameter (bis-2-ethylhexyl phthalate) was detected, which occurred at MW-14 (see discussion below).

The concentrations of all of the analytes that were detected in the groundwater were compared to their respective Maximum Contaminant Level (MCL) or Secondary Drinking Water Standard (SDWS) in accordance with the Florida statutes. The MCLs and SDWSs for Drinking Water Standards, Monitoring, and Reporting are promulgated by Chapter 62-550 of the Florida



Administrative Code (FAC). Not every parameter has an MCL or SDWS. There were four analytes detected at concentrations that did not comply with their standards – pH, iron, arsenic, and bis-2-ethylhexyl phthalate. Iron and pH have SDWS criteria, while the criteria for arsenic and bis-2-ethylhexyl phthalate are provided as MCLs in Chapter 62-550 FAC. A description of the detection patterns with these four analytes is described below.

- pH - The standard for pH is any value within the range of 6.5 to 8.5. The pH values at all except two of the wells (MW-2 and MW-12R) were below 6.5, and the pH measured as low as 4.54 at well MW-14. The pH values at both of the background monitoring wells, MW-1 and MW-4, were lower than the standard range.
- Iron - The standard for iron is 0.3 milligrams per liter (mg/L). The iron concentration in the samples collected at all wells except MW-11 and MW-12R exceeded the standard. The iron concentrations at both of the background wells were higher than the standard.
- Arsenic – Monitoring at this site has been closely tracking arsenic concentrations in MW-4. The standard for arsenic is 0.01 mg/L. In June 2014, the arsenic concentration in MW-4 slightly exceeded the standard, at a value of 0.0119 mg/L. In December 2013, the arsenic concentration in MW-4 slightly exceeded the standard, at a value of 0.0156 mg/L, while in June 2013, the arsenic concentration also slightly exceeded the standard in the sample from MW-4 (at 0.0141 mg/L). MW-4 is designated as a background well.
- Bis-2-ethylhexyl phthalate - Bis-2-ethylhexyl phthalate has an MCL of 6 micrograms per liter (µg/L). The bis-2-ethylhexyl phthalate concentration at monitoring well MW-14 was slightly higher than the standard during this sampling event (at a value of 8.30 µg/L). This was the first sampling event for MW-14.

A summary of the groundwater analytical results is presented in **Table 2**, and the laboratory analytical reports are provided in **Attachment C**. MW-13 and MW-14 were also sampled for the 40 CFR Part 258, Appendix II parameters (in addition to the parameters sampled for the other monitoring wells). **Table 2** does not list the additional (non-Appendix I) Appendix II parameters; they are listed in the laboratory analytical reports 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 (if a standard existed for that analyte). The surface water standards are promulgated by Chapter 62-302, FAC. A summary of the surface water analytical results is presented in **Table 3** and the laboratory analytical report is provided in **Attachment C**.

None of the laboratory parameters were out of compliance with surface water criteria. The Dissolved Oxygen field measurement was not in compliance with the surface water criteria. The



Dissolved Oxygen was measured at a concentration of 1.03 mg/L, which is less than the criteria of greater than 5 mg/l.

SUMMARY AND CONCLUSIONS

The results of the first half 2014 sampling event at the Hardee County Solid Waste Disposal Facility were consistent with those of the recent sampling events, with numerous inorganic analyte detections in the groundwater and surface water, and very few organic analyte detections. There were four analytes detected in the groundwater outside of the regulatory standards: arsenic, bis-2-ethylhexyl phthalate, pH, and iron were detected in the groundwater at concentrations in excess of the regulatory criteria. It should be noted that the primary parameters that were not in compliance with standards in the groundwater (pH and iron) were also not in compliance with standards in the background monitoring wells. The arsenic exceedance occurred only in the background well (MW-4). MW-14 will be re-sampled for bis-2-ethylhexyl phthalate during July 2014. Based on the results of the re-sampling event, the need for continued sampling of MW-14 for bis-2-ethylhexyl phthalate will be determined. The results of the re-sampling event will be provided to FDEP under a separate cover.

Based on these findings, the facility does not appear to be having a significant effect on groundwater and surface water quality. Atkins recommends that the analytical results in future sampling events be evaluated closely for any developing trends. Due to regulatory changes implemented in August 2012, the Hardee County Landfill facility is no longer required by the FDEP to sample the leachate. Continued sampling of leachate is at the discretion of the County. If you have any questions regarding the information presented in this report, please call me at (813) 281-8377.

Sincerely,

A handwritten signature in black ink, appearing to read "Bradley J. Bayne".

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

CC: Ms. Teresa Carver, Hardee County Solid Waste Department, 685 Airport Road,
Wauchula, FL 33873 (2 copies)
File 100037989

TABLES

Table 1
Groundwater Elevation Data
Hardee County Landfill
First Half 2014

Well Identifier	Top-of-Casing Elevation (Ft-NGVD)	Ground Surface Elevation (Ft-NGVD)	Total Depth (Ft-TOC)	Well Diameter (Inches)	Depth to Groundwater (Ft below TOC)	Groundwater Elevation (Ft-NGVD)
Monitoring Wells						
MW-1	87.97	86.24	11.00	4	5.81	82.16
MW-2	85.86	83.75	10.50	4	7.00	78.86
MW-4	87.16	84.09	18.90	2	7.85	79.31
MW-10R	88.56	85.49	15.12	2	9.86	78.70
MW-11	88.11	85.17	13.90	2	9.78	78.33
MW-12R	89.00	85.71	23.25	2	10.45	78.55
MW-13	88.88	NM	23.00	2	10.31	78.57
MW-14	88.16	NM	23.00	2	9.92	78.24
Piezometers						
MW-6	88.25	85.06	NA	2	NM	NM
MW-7	87.88	84.98	NA	2	9.60	78.28
P-7	84.47	82.41	NA	2	4.08*	80.39*
P-8	85.32	83.25	NA	2	10.60	74.72
P-11	88.69	86.16	NA	2	9.31	79.38
P-13	87.96	87.98	NA	2	13.90*	74.06*
P-14	87.31	84.05	NA	2	8.77	78.54
P-17	88.82	85.88	NA	2	7.55	81.27
P-18	88.74	84.37	NA	2	8.37	80.37
P-19	86.73	84.14	NA	2	6.58	80.15
P-20	87.6	84.68	NA	2	7.57	80.03
P-21	86.63	83.57	NA	2	8.35	78.28
P-22	87.04	84.09	NA	2	8.85	78.19
P-23	86.45	83.71	NA	2	8.78	77.67
Staff Gauges						
SG-1	80.51#	NA	NA	NA	+0.40	80.91
SG-2	78.57#	NA	NA	NA	+2.41	80.98

* = anomaly or casing cut off - data not contoured on map # = lag bolt/zero elevation

NM = Not measured

Table 2
Groundwater Analytical Summary
Hardee County Landfill
First Half 2014

Analyte	Monitoring Well:		MW-1	MW-2	MW-4	MW-10R	MW-11	MW-12R	MW-13	MW-14
	Sample Date:		6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/11/2014	6/12/2014	6/12/2014
	Standard ⁽¹⁾	Units								
Field Measurements										
Groundwater Elevation		ft	82.2	78.9	79.3	78.7	78.3	78.6	78.6	78.2
Temperature		deg. C	25.72	24.75	22.88	25.25	25.33	26.08	25.7	23.55
pH	6.5-8.5	STD	5.14	6.74	6.23	5.99	4.86	6.56	5.37	4.54
Conductivity		umhos/cm	184	400	290	312	42	433	113	201
Dissolved Oxygen (DO)		mg/l	0.5	1.43	1.22	0.69	0.80	0.66	0.67	1.07
Turbidity		NTU	6.45	1.71	4.05	2.45	5.21	2.88	3.45	0.75
Inorganics (Appendix 1 parameters only)										
Nitrate (as N)	10	mg/l	0.0267	0.0100 U	0.0131 I	0.0493	0.0100 U	0.0100 U	0.0327	0.0100 U
TDS	500	mg/l	244	254	284	214	44.0	324	104	154
Chloride	250	mg/l	16.7	13.1	10.3	19.8	4.00 U	9.28	17.8	36.9
Antimony	0.006	mg/l	0.00200 U	0.00200 U	0.00200 U	0.00200 U	0.00200 U	0.00200 U	0.00200 U	0.00200 U
Arsenic	0.01	mg/l	0.00525	0.00100 U	0.0119	0.00277	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Barium	2	mg/l	0.0118	0.018	0.0112	0.0174	0.00570	0.00341 I	0.00406	0.0213
Beryllium	0.004	mg/l	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U
Cadmium	0.005	mg/l	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Chromium	0.1	mg/l	0.00415	0.00100 U	0.00778	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Cobalt		mg/l	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Copper	1	mg/l	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Lead	0.015	mg/l	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Mercury	0.002	mg/l	0.0000200 U	0.0000200 U	0.0000200 U	0.0000200 U	0.0000200 U	0.0000200 U	0.0000200 U	0.0000200 U
Nickel	0.1	mg/l	0.00439	0.0034	0.00433	0.00368	0.00100 U	0.00100 U	0.00100 U	0.00453
Selenium	0.05	mg/l	0.00200 U	0.00200 U	0.00200 U	0.00200 U	0.00200 U	0.00200 U	0.00200 U	0.00200 U
Silver	0.1	mg/l	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U	0.000500 U
Thallium	0.002	mg/l	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U	0.00100 U
Vanadium		mg/l	0.0271	0.00100 U	0.0217	0.00231	0.00298	0.00268	0.00100 U	0.00100 U
Zinc	5	mg/l	0.0393	0.0400	0.0394	0.0383	0.0434	0.0702	0.0428	0.0364
Ammonia (as N)	2.8	mg/l	0.454	0.286	0.1460	0.347	0.0100 U	0.0318	0.0100 U	0.255
Iron	0.3	mg/l	14.2	5.6	10.5	21.1	0.163	0.0405 V	1.50	6.38
Sodium	160	mg/l	10.1	17.8	6.7	13.5	3.39	4.78	5.67	9.65
Organics (Appendix 1 parameters only)										
1,1,1,2-Tetrachloroethane		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane	200	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane		ug/l	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
1,1,2-Trichloroethane	5	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	7	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	3	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	5	ug/l	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
2-Butanone (MEK)		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2-Hexanone		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Acetone	6300	ug/l	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Acrylonitrile		ug/l	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U
Benzene	1	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromochloromethane		ug/l	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Bromodichloromethane		ug/l	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Bromoform		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Carbon Disulfide		ug/l	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Carbon Tetrachloride	3	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroform		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloromethane		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dibromochloromethane		ug/l	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U
Dibromomethane		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Ethylbenzene	700	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methyl Iodide		ug/l	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Methyl isobutyl ketone		ug/l	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Methylene chloride		ug/l	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Para-dichlorobenzene	75	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Styrene	100	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Tetrachloroethene	3	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Toluene	1000	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichloroethene	3	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Vinyl Acetate		ug/l	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	1	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Xylenes	10000	ug/l	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	70	ug/l	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
cis-1,3-Dichloropropene		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
o-Dichlorobenzene	600	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	100	ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,3-Dichloropropene		ug/l	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,4-Dichloro-2-butene		ug/l	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

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

U = Compound was analyzed but not detected; I = Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit; V = analyte also detected in method blank

Table 3
Surface Water Analytical Summary
Hardee County Landfill
First Half 2014

Analyte	Location:		SW-2
	Sample Identifier:		SW-2
	Date of Test:		6/12/2014
	Standard(1)	Units	
Field Measurements			
Temperature		deg. C	23.4
pH	6-8.5	STD	6.88
Conductivity	1275	umhos/cm	431
Dissolved Oxygen (DO)	>5	mg/l	1.03
Turbidity	29+	NTU	1.89
Inorganics			
Nitrate (as N)		mg/L	0.0100 U
Nitrite (as N)		mg/L	0.0200 U
Total Dissolved Solids (TDS)		mg/L	414.0
Aluminum		mg/L	0.0100 U
Antimony	4.3	mg/L	0.00200 U
Arsenic	0.05	mg/L	0.00100 U
Barium		mg/L	0.0115
Beryllium	0.00013	mg/L	0.000500 U
Cadmium	Note 2	mg/L	0.00100 U
Chromium	Note 3	mg/L	0.00100 U
Cobalt		mg/L	0.00100 U
Copper	Note 4	mg/L	0.00100 U
Iron	1	mg/L	0.323
Lead	Note 5	mg/L	0.00100 U
Mercury	0.000012	mg/L	0.00000500 U
Nickel	Note 6	mg/L	0.00100 U
Selenium	5	mg/L	0.00200 U
Silver	0.00007	mg/L	0.000500 U
Thallium	0.0063	mg/L	0.00100 U
Vanadium	0.049	mg/L	0.00100 U
Zinc	Note 7	mg/L	0.0389
Fecal coliform	800	cfu/100mL	169
Total Hardness (as CaCO3)		mg/L	210
Total Organic Carbon (TOC)		mg/L	21.7
Total Nitrogen		mg/L	1.590
Total Phosphorus		mg/L	0.282
Total Suspended Solids (TSS)		mg/L	1.64 I
Un-ionized Ammonia	0.02	mg/L	0.00122
Biological Oxygen Demand (BOD)		mg/l	2.11
Chemical Oxygen Demand (COD)		mg/L	77.9
Chlorophyll A		mg/m3	1.00 U
Total Kheldahl Nitrogen (TKN) (as N)		mg/l	1.59
Organics			
1,1,1,2-Tetrachloroethane		ug/l	0.500 U
1,1,1-Trichloroethane	270	ug/l	0.500 U
1,1,2,2-Tetrachloroethane	10.8	ug/l	0.100 U
1,1,2-Trichloroethane	16	ug/l	0.500 U
1,1-Dichloroethane		ug/l	0.500 U
1,1-Dichloroethene	3.2	ug/l	0.500 U
1,2-Dichloroethane	37	ug/l	0.500 U
1,2-Dichloropropane	14	ug/l	0.200 U

Analyte	Location:		SW-2
	Sample Identifier:		SW-2
	Date of Test:		6/12/2014
	Standard(1)	Units	
1,2,3-Trichloropropane	0.2	ug/l	0.0200 U
1,2-Dibromoethane (EDB)	13	ug/l	0.0100 U
1,2-Dibromo-3-chloropropane		ug/l	0.0200 U
2-Butanone (MEK)	120000	ug/l	0.500 U
2-Hexanone		ug/l	0.500 U
Acetone	1700	ug/l	5.00 U
Acrylonitrile	0.2	ug/l	0.300 U
Benzene	71.28	ug/l	0.500 U
Bromochloromethane		ug/l	0.100 U
Bromodichloromethane	49.7	ug/l	0.100 U
Bromoform		ug/l	0.500 U
Bromomethane	35	ug/l	0.500 U
Carbon disulfide	110	ug/l	1.00 U
Carbon tetrachloride	4.42	ug/l	0.500 U
Chlorobenzene	17	ug/l	0.500 U
Chloroethane		ug/l	0.500 U
Chloroform		ug/l	0.500 U
Chloromethane	470.8	ug/l	0.500 U
Dibromochloromethane		ug/l	0.400 U
Dibromomethane	1580	ug/l	0.500 U
Ethylbenzene	610	ug/l	0.500 U
Methyl iodide		ug/l	1.00 U
Methyl isobutyl ketone		ug/l	1.00 U
Methylene chloride		ug/l	1.00 U
Para-dichlorobenzene		ug/l	0.500 U
Styrene	460	ug/l	0.500 U
Tetrachloroethene	8.85	ug/l	0.500 U
Toluene	480	ug/l	0.500 U
Trichloroethene	80.7	ug/l	0.500 U
Trichlorofluoromethane		ug/l	0.500 U
Vinyl Acetate	700	ug/l	10.0 U
Vinyl chloride	2.4	ug/l	0.500 U
Xylenes	370	ug/l	1.00 U
cis-1,2-Dichloroethene	3.2	ug/l	0.200 U
cis-1,3-Dichloropropene	12	ug/l	0.500 U
o-Dichlorobenzene		ug/l	0.500 U
trans-1,2-Dichloroethene	11000	ug/l	0.500 U
trans-1,3-Dichloropropene	12	ug/l	0.500 U
trans-1,4-Dichloro-2-butene		ug/l	1.00 U

Abbreviations: mg/l = milligrams per liter; ug/l = micrograms per liter; NTU = nephelometric turbidity units; mg/m³ = milligrams per cubic meter. U = less than method detection limit (MDL) I = between MDL and practical quantitation limit

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

(2) Cd less than or equal to $e(0.7852(\ln H)-3.49)$

(3) Cr less than or equal to $e(0.819(\ln H)+0.6848)$

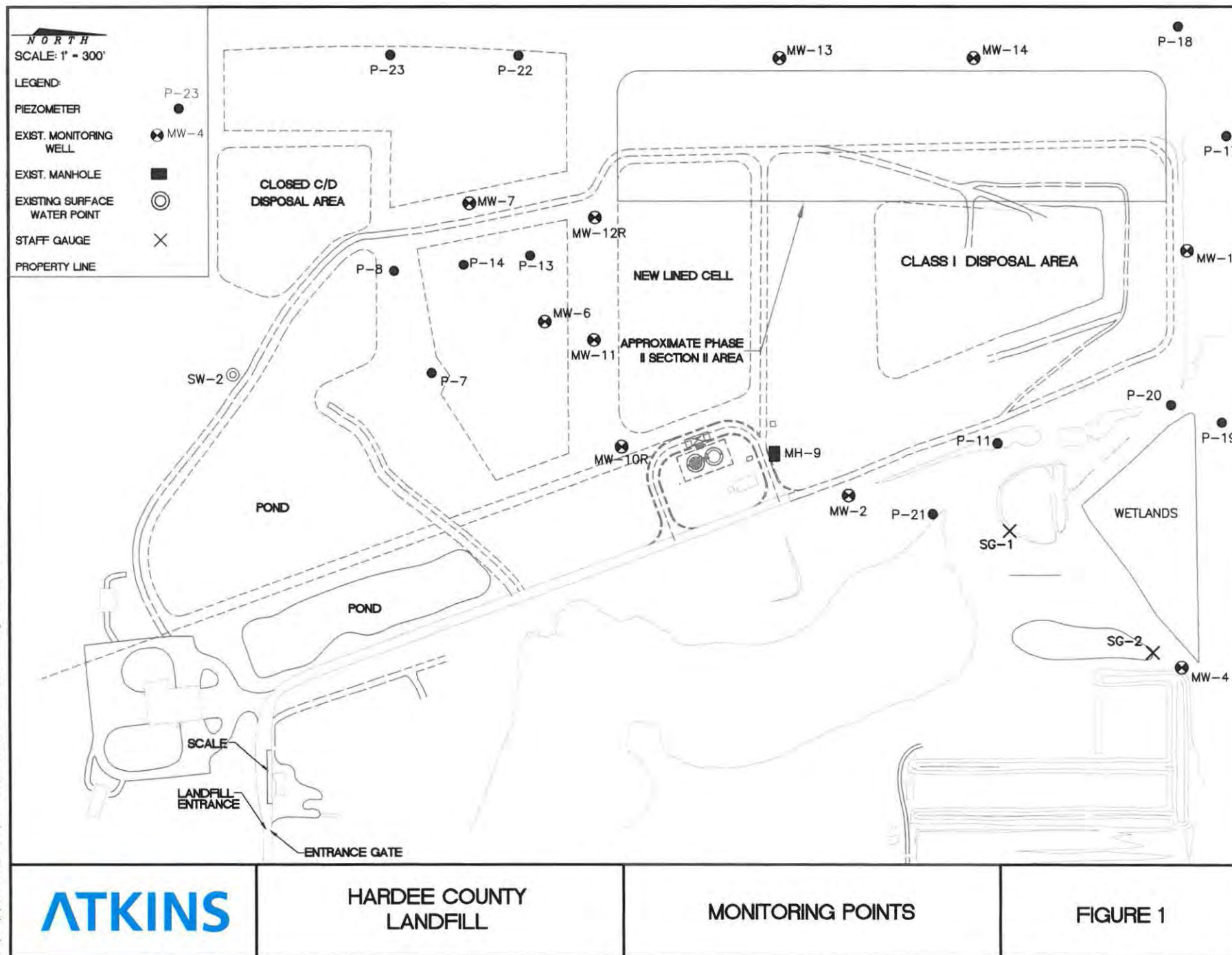
(4) Cu less than or equal to $e(0.845(\ln H)-1.702)$

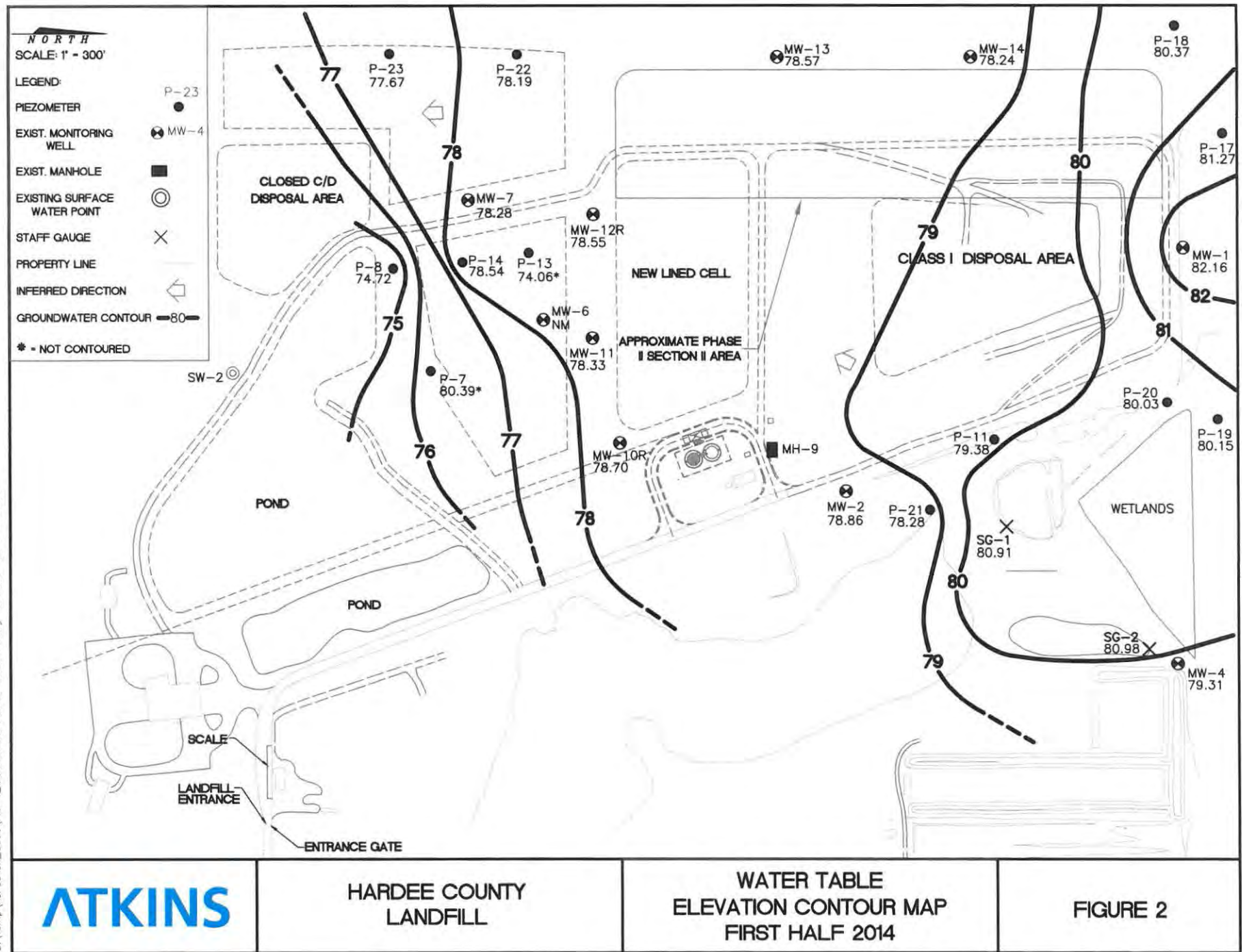
(5) Pb less than or equal to $e(1.273(\ln H)-4.705)$

(6) Ni less than or equal to $e(0.846(\ln H)+0.0584)$

(7) Zn less than or equal to $e(0.8473(\ln H)+0.884)$

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 # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name Hardee County Solid Waste Disposal Facility
Address 685 Airport Road
City Wauchula, Florida Zip 33873
Telephone Number (863) 733-5089
- (2) The GMS Identification Number 4025C30001
- (3) DEP Permit Number 38414-011-SO
- (4) Authorized Representative Name Bradley J. Bayne, PG, Atkins
Address 4030 West Boy Scout Boulevard, Suite 700
City Tampa, Florida Zip 33607
Telephone Number (813) 281-8377
- (5) Type of Discharge N/A
- (6) Method of Discharge N/A

Certification

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

Date: 7-11-14 Bradley J. Bayne
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Atkins Comp QAP # _____

Analytical Lab E83018 Comp QAP # /HRS Certification # _____

*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 2014

Test Site ID #: _____ Report Period: First Half 2014
(year/quarter)

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

Classification of Ground Water: _____

Well Type: () Background
() Intermediate
() Compliance
() Other

Ground Water Elevation (NGVD): _____
or (MSL): _____

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

* Attach Laboratory Reports

ATTACHMENT B

Groundwater Sampling Logs and Field Equipment Calibration Logs

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME	HARDEE COUNTY LANDFILL		SITE LOCATION	685 AIRPORT RD, WAUCHULA, FL	
WELL ID	MIN-1	SAMPLE ID		DATE	6/11/14

PURGING DATA

WELL DIAMETER (inches)	4	TUBING DIAMETER (inches)	1/4	WELL SCREEN INTERVAL DEPTH	feet to	feet	STATIC DEPTH TO WATER (feet)	5.81	PURGE PUMP TYPE OR BAILER	PERISTALTIC
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)										
= 12.70 feet - 5.81 feet X 0.65 gallons/foot = 4.48 gallons										
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)										
= gallons + (gallons/foot X feet) + gallons = gallons										

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	10	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	10	PURGING INITIATED AT	13:44	PURGING ENDED AT	14:44	TOTAL VOLUME PURGED (gallons)	6.00
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TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$	DISSOLVED OXYGEN (circle units) $\frac{\text{mg/L}}{\% \text{ saturation}}$	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:34	5.00	5.00	0.10	6.82	5.16	25.72	185	0.50	15.00	CLEAR	NONE
14:39	0.50	5.50	0.10	6.82	5.15	25.72	185	0.50	10.50	"	"
14:44	0.50	6.00	0.10	6.82	5.14	25.72	184	0.50	6.45	"	"

WELL CAPACITY (Gallons Per Foot)	0.75" = 0.02	1" = 0.04	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	5" = 1.02	6" = 1.47	12" = 5.68
TUBING INSIDE DIA. CAPACITY (Gal./Ft.)	1/8" = 0.0006	3/16" = 0.0014	1/4" = 0.0026	5/16" = 0.004	3/8" = 0.006	1/2" = 0.010	5/8" = 0.016	3" = 0.04	4" = 0.06

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION RAYMUNDO CASTRO				SAMPLER(S) SIGNATURE(S) <i>Raymundo Castro</i>				SAMPLING INITIATED AT 14:45		SAMPLING ENDED AT 14:47	
PUMP OR TUBING DEPTH IN WELL (feet) 10				TUBING MATERIAL CODE S+PE		FIELD FILTERED Y (N) Filtration Equipment Type		FILTER SIZE _____ μ m			
FIELD DECONTAMINATION PUMP Y (N)				TUBING (O) N (replaced)				DUPLICATE Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
SEE CHAIN OF CUSTODY											
REMARKS											
MATERIAL CODES AG = Amber Glass CG = Clear Glass PE = Polyethylene PP = Polypropylene S = Silicone T = Teflon O = Other (Specify)											
SAMPLING EQUIPMENT CODES APP = After Peristaltic Pump B = Bailor BP = Bladder Pump ESP = Electric Submersible Pump RFPP = Reverse Flow Penstaltic Pump SM = Straw Method (Tubing Gravity Drain) O = Other (Specify)											

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

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

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

Revision Date February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME	HARDEE COUNTY LANDFILL		SITE LOCATION	685 AIRPORT RD, WAUCHULA, FL	
WELL ID	MW-2	SAMPLE ID	MW-2	DATE	6/11/14

PURGING DATA

WELL DIAMETER (inches)	4	TUBING DIAMETER (inches)	1/4	WELL SCREEN INTERVAL DEPTH	feet to	feet	STATIC DEPTH TO WATER (feet)	7.9	PURGE PUMP TYPE OR BAILER	PERISTALTIC
WELL VOLUME PURGE (only fill out if applicable)	$1 \text{ WELL VOLUME} = (\text{TOTAL WELL DEPTH} - \text{STATIC DEPTH TO WATER}) \times \text{WELL CAPACITY}$ $= 13.10 \text{ feet} - 7.90 \text{ feet} \times 0.65 \text{ gallons/foot} = 3.38 \text{ gallons}$									
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME * (TUBING CAPACITY (only fill out if applicable)	$= \text{gallons} \div \text{gallons/foot} \times \text{feet} \times \text{gallons} = \text{gallons}$									

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	10	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	10	PURGING INITIATED AT	8:20	PURGING ENDED AT	9:10	TOTAL VOLUME PURGED (gallons)	4.50
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[illegible]

22.3
18.2

WELL CAPACITY (Gallons Per Foot)	0.75" = 0.02	1" = 0.04	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	5" = 1.02	6" = 1.47	12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./ft.)	1/8" = 0.0006	3/16" = 0.0014	1/4" = 0.0025	5/16" = 0.004	3/8" = 0.006	1/2" = 0.010	5/8" = 0.014	1" = 0.025	1 1/2" = 0.047

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION RAYMUNDO CASTRO				SAMPLER(S) SIGNATURE(S) <i>Raymundo Castro</i>			SAMPLING INITIATED AT 9:11		SAMPLING ENDED AT 9:13	
PUMP OR TUBING DEPTH IN WELL (feet) 10				TUBING MATERIAL CODE STPE		FIELD-FILTERED Y (N) Filtration Equipment Type		FILTER SIZE _____ μ m		
FIELD DECONTAMINATION PUMP Y (N)				TUBING Y (N) N (replaced)			DUPLICATE Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
SEE CHAIN OF CUSTODY										
REMARKS										
MATERIAL CODES AG = Amber Glass CG = Clear Glass PE = Polyethylene PP = Polypropylene S = Silicone T = Teflon O = Other (Specify)										
SAMPLING EQUIPMENT CODES APP = After Peristaltic Pump B = Bailer BP = Bladder Pump ESP = Electric Submersible Pump RFP = Reverse Flow Peristaltic Pump SM = Straw Method (Tubing Gravity Drain) O = Other (Specify)										

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

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

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200.2) optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	8	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	9	PURGING INITIATED AT	9:50	PURGING ENDED AT	10:25	TOTAL VOLUME PURGED (gallons)	3.50
--	---	--	---	-------------------------	------	---------------------	-------	----------------------------------	------

WELL CAPACITY (Gallons Per Foot)	0.75" = 0.02	1" = 0.04	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	5" = 1.02	6" = 1.47	12" = 5.85
TUBING INSIDE DIA. CAPACITY (Gal./Ft.)	1/8" = 0.0006	3/16" = 0.0014	1/4" = 0.0026	5/16" = 0.004	3/8" = 0.006	1/2" = 0.010	5/8" = 0.016	3/4" = 0.022	1" = 0.036

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

SAMPLING DATA

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

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

pH ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2260-2 optionally $+0.2\text{ mg/L}$ or $+10\%$ (whichever is greater) Turbidity: all readings $< 20\text{ NTU}$ optionally $+5\text{ NTU}$ or $+10\%$ (whichever is greater)

Revision Date February 12, 2009

2384586W4

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	HARDEE COUNTY LANDFILL	SITE LOCATION	685 AIRPORT RD, WAUCHULA, FL
WELL NO	MW-10R	SAMPLE ID	MW-10R
		DATE	6/11/14

PURGING DATA

WELL DIAMETER (inches)	2	TUBING DIAMETER (inches)	1/4	WELL SCREEN INTERVAL DEPTH	feet to	feet	STATIC DEPTH TO WATER (feet)	9.86	PURGE PUMP TYPE OR BAILER	PERISTALTIC	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY											
= (23.08 feet - 9.86 feet) x 0.16 gallons/foot = 2.12 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME x (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME											
= gallons x feet x gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	12	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	12	PURGING INITIATED AT	11:30	PURGING ENDED AT	12:05	TOTAL VOLUME PURGED (gallons)	3.50		
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (microhm/cm or µS/cm)	DISSOLVED OXYGEN (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:55	2.50	2.50	0.10	10.10	5.99	25.18	313	0.70	1.71	CLEAR	NONE
12:00	0.50	3.00	0.10	10.10	5.99	25.24	312	0.68	1.90	"	"
12:05	0.50	3.50	0.10	10.10	5.99	25.25	312	0.69	2.45	"	"
WELL CAPACITY (Gallons Per Foot) 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47, 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal/Ft) 1/8" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.005, 1/2" = 0.010, 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION				SAMPLE(S) SIGNATURE(S)				SAMPLING INITIATED AT		SAMPLING ENDED AT	
RAYMUNDO CASTRO				Raymundo Castro				12:06		12:08	
PUMP OR TUBING DEPTH IN WELL (feet)				TUBING MATERIAL CODE				FIELD FILTERED Y		FILTER SIZE	
12				3+PE				N		µm	
FIELD DECONTAMINATION PUMP Y				TUBING Y				DUPLICATE Y			
N				N (replaced)				N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
SEE CHAIN OF CUSTODY											
REMARKS											
MATERIAL CODES AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump, B = Bailor, BP = Bladder Pump, ESP = Electric Submersible Pump, RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), O = Other (Specify)											

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

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

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

Revision Date February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME	HARDEE COUNTY LANDFILL		SITE LOCATION	685 AIRPORT RD., WAUCHULA, FL	
WELL NO	MU-11		SAMPLE ID	MU-11	
			DATE	6/11/14	

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH feet to feet	STATIC DEPTH TO WATER (feet) 9.70	PURGE PUMP TYPE OR BAILEY PERISTALTIC
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WELL VOLUME PURGE (only fill out if applicable): 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY
= 13.90 feet - 9.78 feet x 0.16 gallons/foot = 0.66 gallons

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

=	gallons	+	gallons/foot X	feet	+	gallons	=	gallons
---	---------	---	----------------	------	---	---------	---	---------

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	12	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	12	PURGING INITIATED AT	12:30	PURGING ENDED AT		TOTAL VOLUME PURGED (gallons)	
---	----	---	----	----------------------	-------	------------------	--	-------------------------------	--

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (micromhos/cm) (µS/cm)	DISSOLVED OXYGEN (mg/L) (% saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
------	-------------------------------	--	------------------------	--------------------------------	---------------------------	--------------	-----------------------------------	---	---------------------	---------------------	--------------------

12:40	1.00	1.00	0.10	9.90	4.87	25.23	43	0.82	5.52	CLEAR	NONE
12:45	0.50	1.50	0.10	9.90	4.86	25.32	42	0.80	5.40	"	"
12:50	0.50	2.00	0.10	9.90	4.86	25.33	42	0.80	5.21	"	"

[illegible]

WELL CAPACITY (Gallons Per Foot)	0.75" = 0.02	1" = 0.04	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	5" = 1.02	6" = 1.47	12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.)	1/8" = 0.0006	3/16" = 0.0014	1/4" = 0.0026	5/16" = 0.004	3/8" = 0.006	1/2" = 0.010	5/8" = 0.016		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION RAYMONDO CASTRO	SAMPLER(S) SIGNATURE(S) Raymondo Castro	SAMPLING INITIATED AT 12:51	SAMPLING ENDED AT 12:53
---	--	-----------------------------	-------------------------

PUMP OR TUBING DEPTH IN WELL (feet)	12	TUBING MATERIAL CODE	STPE	FIELD-FILTERED Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE _____ mm
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FIELD DECONTAMINATION	PUMP	Y	N	TUBING	Y	N (replaced)	DUPLICATE	Y	N
-----------------------	------	---	---	--------	---	--------------	-----------	---	---

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED	SAMPLING	SAMPLE TIME
--------------------------------	---------------------	----------	----------	-------------

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

[illegible]

SEE CHAIN OF CUSTODY

ET 9/11/19 9, 10/10/19

[illegible][illegible]

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

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

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

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

pH: + 0.2 units Temperature: + 0.2 °C Specific Conductance: + 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2209.3) optionally + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings \leq 20 NTU optionally + 5 NTU or + 10% (whichever is greater)

Revision Date February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME	HARDEE COUNTY LANDFILL		SITE LOCATION	685 AIRPORT RD, WEAUCHULA, FL	
WELL NO	MW-12R	SAMPLE ID	MW-12R	DATE	6/11/14

PURGING DATA

WELL DIAMETER (inches)	2	TUBING DIAMETER (inches)	1/4	WELL SCREEN INTERVAL DEPTH	feet to	feet	STATIC DEPTH TO WATER (feet)	10.45	PURGE PUMP TYPE OR BAILER	PERISTALTIC
WELL VOLUME PURGE (only fill out if applicable)		$1 \text{ WELL VOLUME} = (\text{TOTAL WELL DEPTH} - \text{STATIC DEPTH TO WATER}) \times \text{WELL CAPACITY}$ $= (23.04 \text{ feet} - 10.45 \text{ feet}) \times 0.16 \text{ gallons/foot} = 2.01 \text{ gallons}$								
EQUIPMENT VOLUME PURGE (only fill out if applicable)		$1 \text{ EQUIPMENT VOL} = \text{PUMP VOLUME} + (\text{TUBING CAPACITY} \times \text{TUBING LENGTH}) + \text{FLOW CELL VOLUME}$ $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$								
INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	13	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	13	PURGING INITIATED AT	13:00	PURGING ENDED AT	13:35	TOTAL VOLUME PURGED (gallons)	3.50	

[illegible]

WELL CAPACITY (Gallons Per Foot)	0.75" = 0.02	1" = 0.04	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	5" = 1.02	6" = 1.47	12" = 5.89
TUBING INSIDE DIA. CAPACITY (Gal./Ft.)	1/8" = 0.0006	3/16" = 0.0014	1/4" = 0.0026	5/16" = 0.004	3/8" = 0.006	1/2" = 0.010	5/8" = 0.016		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION RAYMONDO CASTRO		SAMPLER(S) / SIGNATURE(S) <i>Raymondo Castro</i>		SAMPLING INITIATED AT 13:36		SAMPLING ENDED AT 13:38	
PUMP OR TUBING DEPTH IN WELL (feet) 13		TUBING MATERIAL CODE 5+PE		FIELD-FILTERED Y (N) Filtration Equipment Type		FILTER SIZE _____ (mm)	
FIELD DECONTAMINATION PUMP Y (N)		TUBING Y (N) N (replaced)		DUPLICATE Y (N)			
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS SEE CHAIN OF CUSTODY							
MATERIAL CODES AG = Amber Glass CG = Clear Glass PE = Polyethylene PP = Polypropylene S = Silicone T = Teflon O = Other (Specify)							
SAMPLING EQUIPMENT CODES: APP = After Penstaltic Pump B = Bailor BP = Bladder Pump ESP = Electric Submersible Pump RFPP = Reverse Flow Penstaltic Pump SM = Straw Method (Tubing Gravity Drain) O = Other (Specify)							

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

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

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200.2) optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings < 20 NTU optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME	HARDEE COUNTY LANDFILL		SITE LOCATION	685 AIRPORT RD., WAUCHULA, FL	
WELL NO	MW-13	SAMPLE ID	MW-13	DATE	6/12/14

PURGING DATA

WELL DIAMETER (inches)	2	TUBING DIAMETER (inches)	1/4	WELL SCREEN INTERVAL DEPTH	feet to	feet	STATIC DEPTH TO WATER (feet)	10.31	PURGE PUMP TYPE OR EILER	PERISTALTIC
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY (only fill out if applicable)										
= (20.79 feet - 10.31 feet) x 0.16 gallons/foot = 1.68 gallons										
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY x TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)										

			gallons ÷	gallons/foot X	feet) ÷	gallons =	gallons		
INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	12	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	12	PURGING INITIATED AT	10:03	PURGING ENDED AT	10:33	TOTAL VOLUME PURGED (gallons)	3.00

[illegible]

WELL CAPACITY (Gallons Per Foot) 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06, 2" = 0.16, 3" = 0.37, 4" = 0.65, 5" = 1.02, 6" = 1.47, 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.) 1/8" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.006, 1/2" = 0.010, 5/8" = 0.016

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

SAMPLING DATA

[illegible]

REMARKS

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

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

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

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS Z200.2) optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date February 12, 2009

FL \rightarrow 85.22

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME	HARDEE CO. LANDFILL	SITE LOCATION	695 AIRPORT RD, WAVEHULA, FL
WELL NO	MW-14	SAMPLE ID	MW-14
		DATE	6/12/14

PURGING DATA

WELL DIAMETER (inches)	2	TUBING DIAMETER (inches)	1/4	WELL SCREEN INTERVAL DEPTH	feet to	feet	STATIC DEPTH TO WATER (feet)	492	PURGE PUMP TYPE OF BAILER	PERISTALTIC
------------------------	---	--------------------------	-----	----------------------------	---------	------	------------------------------	-----	---------------------------	-------------

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY

(only fill out if applicable)

= 20.35 feet - 9.92

(EET) X 0.16

$$\text{gallons/foot} = 1.67$$

allows

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

/only fill out if applicable/

$$= \text{gallons} + ($$

gallons/foot X

feet) +

dations

INITIAL PUMP OR TUEING
DEPTH IN WELL (feet)

12

FINAL PUMP OR TUBING
DEPTH IN WELL (feet)

12

PURGING INITIATED AT 8:51

FURGING ENDED AT 9-21

TOTAL VOLUME
PURGED (gallons) 3.00

[illegible]

WELL CAPACITY (Gallons Per Foot)	0.75" = 0.02	1" = 0.04	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	5" = 1.02	6" = 1.47	12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.)	1/8" = 0.0006	3/16" = 0.0014	1/4" = 0.0026	5/16" = 0.004	3/8" = 0.006	1/2" = 0.010	5/8" = 0.016		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION RAYMONDO CASTRO				SAMPLER(S) SIGNATURE(S) <i>Raymondo Castro</i>			SAMPLING INITIATED AT 9:22		SAMPLING ENDED AT 9:23	
PUMP OR TUBING DEPTH IN WELL (feet) 12				TUBING MATERIAL CODE S+PE		FIELD-FILTERED Y Filtration Equipment Type (N)		FILTER SIZE _____ μ m		
FIELD DECONTAMINATION PUMP Y (N)				TUBING (N) (N) (replaced)			DUPLICATE Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
SEE CHAIN OF CUSTODY										

REMARKS

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

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

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

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

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

Revision Date February 12 2009

SURFACE AND GROUNDWATER SAMPLING LOG

SITE NAME	HARDEE COUNTY LANDFILL		SITE LOCATION	685 AIRPORT RD, WACAHULA, FL	
WELL NO	SW-2		SAMPLE ID	SW-2	
			DATE	6/12/14	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION RAYMUNDO CASTRO		SAMPLER(S) SIGNATURE(S) <i>Raymundo Castro</i>		SAMPLING INITIATED AT 13:51		SAMPLING ENDED AT 13:53	
PUMP OR TUBING DEPTH IN WELL (feet)		TUBING MATERIAL CODE. S+PE		FIELD-FILTERED Y (N) Filtration Equipment Type		FILTER SIZE _____ μ m	
FIELD DECONTAMINATION PUMP Y (N)		TUBING Y (Y) N (replaced)		DUPLICATE Y (N)			
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	SAMPLE PUMP FLOW RATE (mL per minute)
SEE CHAIN OF CUSTODY							
REMARKS							
MATERIAL CODES AG = Amber Glass CG = Clear Glass PE = Polyethylene PP = Polypropylene S = Silicone T = Teflon O = Other (Specify)							
SAMPLING EQUIPMENT CODES APP = After Peristaltic Pump B = Bailer BP = Bladder Pump ESP = Electric Submersible Pump RFPP = Reverse Flow Peristaltic Pump SM = Straw Method (Tubing Gravity Drain) O = Other (Specify)							

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

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

pH: ± 0.2 units Temperature: $\pm 0.2^{\circ}\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200.2) optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date February 12 2009

INSTRUMENT (MAKE/MODEL#) HANNA TURBIDITY INSTRUMENT # 00240430
PARAMETER: [check only one] METER RENTED FROM CYCLONE INSTRUMENTS

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☒ TURBIDITY ☐ RESIDUAL CL ☐ DO ☐ OTHER _____

Standard A < 0.1 NTU

Standard B 15 NTU

Standard C

[illegible]

INSTRUMENT (MAKE/MODEL#) YSI MODEL 556 INSTRUMENT # 1110K100957
PARAMETER: [check only one] RENTED FROM CYCLOPE INSTRUMENTS

ATTACHMENT C

Groundwater and Surface Water Laboratory Analytical Reports



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
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Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Report Summary

Date Received: Jun 12, 2014

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
238458GW1	MW #1/296	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	MAC	Main Lab	
238458GW2	MW #2/297	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	MAC	Main Lab	
238458GW3	MW #4/299	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	



FLOWERS CHEMICAL LABORATORIES INC.

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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

238458GW4	MW-10R/22930	FT1600	RJC	Main Lab	Ground Water
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	MAC	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
238458GW5	MW-11/21882	FT1500	RJC	Main Lab	Ground Water
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	MAC	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
238458GW6	MW-12R/22931	FT1400	RJC	Main Lab	Ground Water
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	MAC	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
FT1200	RJC	Main Lab			
FT1400	RJC	Main Lab			
FT1500	RJC	Main Lab			
FT1600	RJC	Main Lab			
SM2540 C	PLB	Main Lab			



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

SM4500-CI E

MAC

Main Lab

Certificate of Results

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



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



FLOWERS CHEMICAL LABORATORIES INC.

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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Analysis Report

Lab #: 238458GW1 Sampled: 06/11/14 02:45 PM Desc: MW #1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	16.7	mg/L	1.00	4.00	8.00	10197567	SM4500-Cl E	16887-00-6	06/17/14
Nitrate(as N)	0.0267	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:48 AM
TDS	244	mg/L	1.00	2.50	5.00	10253031	SM2540 C	10-33-3	06/13/14
Field Ground Water Elevation	82.2	ft	1.00	-10.0	-10.0	10253056	FT1000		06/11/14
Field pH (units)	5.14	pH	1.00	0.0100	0.0200	10253056	FT1100	C006	06/11/14
Field Conductivity	184	umhos/cm	1.00	0.100	0.100	10253056	FT1200		06/11/14
Field Temp. (C)	25.7	oC	1.00	0.100	0.100	10253056	FT1400		06/11/14
Field DO	0.500	mg/L	1.00	0.100	0.100	10253056	FT1500		06/11/14
Field Turbidity	6.45	NTU	1.00	0.100	0.100	10253056	FT1600		06/11/14
Iron	14.2	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14
Sodium	10.1	mg/L	1.00	0.500	1.00	10253192	EPA6010	7440-23-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.00525	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.0118	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14
Chromium	0.00415	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00439	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14
Vanadium	0.0271	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0393	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Ammonia (as N)	0.454	mg/L	1.00	0.0100	0.0200	10253253	EPA350.1	7664-41-7	06/17/14



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW1 Sampled: 06/11/14 02:45 PM Desc: MW #1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10253287	EPA7470	7439-97-6	06/18/14
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-35-4	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253449	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	78-87-5	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253449	EPA8260	67-64-1	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253449	EPA8260	107-13-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253449	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-87-3	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253449	EPA8260	124-48-1	06/18/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	074-95-3	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-41-4	06/18/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	074-88-4	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	108-10-1	06/18/14



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW1 Sampled: 06/11/14 02:45 PM Desc: MW #1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	106-46-7	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253449	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-01-5	06/18/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	156-60-5	06/18/14
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (77-129%)	96.83%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-122%)	106.27%		1.00	1.00	1.00	10253449	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	97.57%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253544	EPA8011	106-93-4	06/19/14
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	96-12-8	06/19/14

Lab #: 238458GW2 Sampled: 06/11/14 09:11 AM Desc: MW #2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	13.1	mg/L	1.00	4.00	8.00	10197567	SM4500-Cl E	16887-00-6	06/17/14
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:51 AM
TDS	254	mg/L	1.00	2.50	5.00	10253031	SM2540 C	10-33-3	06/13/14
Field Ground Water Elevation	78.0	ft	1.00	-10.0	-10.0	10253056	FT1000		06/11/14



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Lab #: 238458GW2 Sampled: 06/11/14 09:11 AM Desc: MW #2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Field pH (units)	6.74	pH	1.00	0.0100	0.0200	10253056	FT1100	C006	06/11/14
Field Conductivity	400	umhos/cm	1.00	0.100	0.100	10253056	FT1200		06/11/14
Field Temp. (C)	24.8	oC	1.00	0.100	0.100	10253056	FT1400		06/11/14
Field DO	1.43	mg/L	1.00	0.100	0.100	10253056	FT1500		06/11/14
Field Turbidity	1.71	NTU	1.00	0.100	0.100	10253056	FT1600		06/11/14
Iron	5.60	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14
Sodium	17.8	mg/L	1.00	0.500	1.00	10253192	EPA6010	7440-23-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.0180	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00340	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14
Vanadium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0400	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Ammonia (as N)	0.286	mg/L	1.00	0.0100	0.0200	10253253	EPA350.1	7664-41-7	06/17/14
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10253287	EPA7470	7439-97-6	06/18/14
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-34-3	06/18/14



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW2 Sampled: 06/11/14 09:11 AM Desc: MW #2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-35-4	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253449	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	78-87-5	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253449	EPA8260	67-64-1	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253449	EPA8260	107-13-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253449	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-87-3	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253449	EPA8260	124-48-1	06/18/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	074-95-3	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-41-4	06/18/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	074-88-4	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	106-46-7	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-01-6	06/18/14



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Lab #: 238458GW2 Sampled: 06/11/14 09:11 AM Desc: MW #2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253449	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-01-5	06/18/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	156-60-5	06/18/14
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (77-129%)	97.37%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-122%)	105.23%		1.00	1.00	1.00	10253449	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	96.77%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253544	EPA8011	106-93-4	06/19/14
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	96-12-8	06/19/14

Lab #: 238458GW3 Sampled: 06/11/14 10:26 AM Desc: MW #4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	10.3	mg/L	1.00	4.00	8.00	10197567	SM4500-Cl E	16887-00-6	06/17/14
Nitrate(as N)	0.0131 I	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:52 AM
TDS	284	mg/L	1.00	2.50	5.00	10253031	SM2540 C	10-33-3	06/13/14
Field Ground Water Elevation	79.3	ft	1.00	-10.0	-10.0	10253056	FT1000		06/11/14
Field pH (units)	6.23	pH	1.00	0.0100	0.0200	10253056	FT1100	C006	06/11/14
Field Conductivity	290	umhos/cm	1.00	0.100	0.100	10253056	FT1200		06/11/14
Field Temp. (C)	22.9	oC	1.00	0.100	0.100	10253056	FT1400		06/11/14
Field DO	1.22	mg/L	1.00	0.100	0.100	10253056	FT1500		06/11/14
Field Turbidity	4.05	NTU	1.00	0.100	0.100	10253056	FT1600		06/11/14
Iron	10.5	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14



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Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW3 Sampled: 06/11/14 10:26 AM Desc: MW #4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sodium	6.70	mg/L	1.00	0.500	1.00	10253192	EPA6010	7440-23-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.0119	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.0112	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14
Chromium	0.00778	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00433	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14
Vanadium	0.0217	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0394	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Ammonia (as N)	0.146	mg/L	1.00	0.0100	0.0200	10253253	EPA350.1	7664-41-7	06/17/14
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10253287	EPA7470	7439-97-6	06/18/14
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-35-4	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253449	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	78-87-5	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253449	EPA8260	67-64-1	06/18/14



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW3 Sampled: 06/11/14 10:26 AM Desc: MW #4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253449	EPA8260	107-13-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253449	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-87-3	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253449	EPA8260	124-48-1	06/18/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	074-95-3	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-41-4	06/18/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	074-88-4	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	106-46-7	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253449	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-01-5	06/18/14



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Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW3 Sampled: 06/11/14 10:26 AM Desc: MW #4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	156-60-5	06/18/14
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (77-129%)	98.73%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-122%)	105.90%		1.00	1.00	1.00	10253449	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	98.07%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253544	EPA8011	106-93-4	06/19/14
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	96-12-8	06/19/14

Lab #: 238458GW4 Sampled: 06/11/14 12:06 PM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	19.8	mg/L	1.00	4.00	8.00	10197567	SM4500-Cl E	16887-00-6	06/17/14
Nitrate(as N)	0.0493	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:54 AM
TDS	214	mg/L	1.00	2.50	5.00	10253031	SM2540 C	10-33-3	06/13/14
Field Ground Water Elevation	78.7	ft	1.00	-10.0	-10.0	10253056	FT1000		06/11/14
Field pH (units)	5.99	pH	1.00	0.0100	0.0200	10253056	FT1100	C006	06/11/14
Field Conductivity	312	umhos/cm	1.00	0.100	0.100	10253056	FT1200		06/11/14
Field Temp. (C)	25.3	oC	1.00	0.100	0.100	10253056	FT1400		06/11/14
Field DO	0.690	mg/L	1.00	0.100	0.100	10253056	FT1500		06/11/14
Field Turbidity	2.45	NTU	1.00	0.100	0.100	10253056	FT1600		06/11/14
Iron	21.1	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14
Sodium	13.5	mg/L	1.00	0.500	1.00	10253192	EPA6010	7440-23-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.00277	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.0174	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW4 Sampled: 06/11/14 12:06 PM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00368	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14
Vanadium	0.00231	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0383	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Ammonia (as N)	0.347	mg/L	1.00	0.0100	0.0200	10253253	EPA350.1	7664-41-7	06/17/14
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10253287	EPA7470	7439-97-6	06/18/14
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-35-4	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253449	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	78-87-5	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253449	EPA8260	67-64-1	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253449	EPA8260	107-13-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253449	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-83-9	06/18/14



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW4 Sampled: 06/11/14 12:06 PM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-87-3	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253449	EPA8260	124-48-1	06/18/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	074-95-3	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-41-4	06/18/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	074-88-4	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	106-46-7	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253449	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-01-5	06/18/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	156-60-5	06/18/14
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (77-129%)	97.07%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-122%)	102.57%		1.00	1.00	1.00	10253449	EPA8260	460-00-4	06/18/14



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Atkins-Tampa
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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW4 Sampled: 06/11/14 12:06 PM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Surr:Toluene-d8 (80-120%)	97.40%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253544	EPA8011	106-93-4	06/19/14
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	96-12-8	06/19/14

Lab #: 238458GW5 Sampled: 06/11/14 12:51 PM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	4.00 U	mg/L	1.00	4.00	8.00	10196951	SM4500-Cl E	16887-00-6	06/17/14
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:55 AM
TDS	44.0	mg/L	1.00	2.50	5.00	10253032	SM2540 C	10-33-3	06/13/14
Field Ground Water Elevation	78.3	ft	1.00	-10.0	-10.0	10253056	FT1000		06/11/14
Field pH (units)	4.86	pH	1.00	0.0100	0.0200	10253056	FT1100	C006	06/11/14
Field Conductivity	42.0	umhos/cm	1.00	0.100	0.100	10253056	FT1200		06/11/14
Field Temp. (C)	25.3	oC	1.00	0.100	0.100	10253056	FT1400		06/11/14
Field DO	0.800	mg/L	1.00	0.100	0.100	10253056	FT1500		06/11/14
Field Turbidity	5.21	NTU	1.00	0.100	0.100	10253056	FT1600		06/11/14
Iron	0.163	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14
Sodium	3.39	mg/L	1.00	0.500	1.00	10253192	EPA6010	7440-23-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.00570	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14



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Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW5 Sampled: 06/11/14 12:51 PM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14
Vanadium	0.00298	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0434	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10253253	EPA350.1	7664-41-7	06/17/14
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10253287	EPA7470	7439-97-6	06/18/14
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-35-4	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253449	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	78-87-5	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253449	EPA8260	67-64-1	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253449	EPA8260	107-13-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253449	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-87-3	06/18/14



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW5 Sampled: 06/11/14 12:51 PM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253449	EPA8260	124-48-1	06/18/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	074-95-3	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-41-4	06/18/14
Methyl iodide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	074-88-4	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	106-46-7	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253449	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-01-5	06/18/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	156-60-5	06/18/14
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (77-129%)	96.13%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-122%)	103.70%		1.00	1.00	1.00	10253449	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	97.97%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253544	EPA8011	106-93-4	06/19/14
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	96-12-8	06/19/14



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW6 Sampled: 06/11/14 01:36 PM Desc: MW-12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	9.28	mg/L	1.00	4.00	8.00	10197567	SM4500-Cl E	16887-00-6	06/17/14
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:56 AM
TDS	324	mg/L	1.00	2.50	5.00	10253032	SM2540 C	10-33-3	06/13/14
Field Ground Water Elevation	78.6	ft	1.00	-10.0	-10.0	10253056	FT1000		06/11/14
Field pH (units)	6.56	pH	1.00	0.0100	0.0200	10253056	FT1100	C006	06/11/14
Field Conductivity	433	umhos/cm	1.00	0.100	0.100	10253056	FT1200		06/11/14
Field Temp. (C)	26.1	oC	1.00	0.100	0.100	10253056	FT1400		06/11/14
Field DO	0.660	mg/L	1.00	0.100	0.100	10253056	FT1500		06/11/14
Field Turbidity	2.88	NTU	1.00	0.100	0.100	10253056	FT1600		06/11/14
Iron	0.0405 V	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14
Sodium	4.78	mg/L	1.00	0.500	1.00	10253192	EPA6010	7440-23-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.00341 I	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14
Vanadium	0.00268	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0702	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Ammonia (as N)	0.0318	mg/L	1.00	0.0100	0.0200	10253253	EPA350.1	7664-41-7	06/17/14
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10253287	EPA7470	7439-97-6	06/18/14
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	630-20-6	06/18/14



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW6 Sampled: 06/11/14 01:36 PM Desc: MW-12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-35-4	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253449	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	78-87-5	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253449	EPA8260	67-64-1	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253449	EPA8260	107-13-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253449	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253449	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	74-87-3	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253449	EPA8260	124-48-1	06/18/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	074-95-3	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-41-4	06/18/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	074-88-4	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	106-46-7	06/18/14



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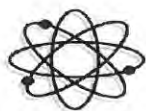
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Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Lab #: 238458GW6 Sampled: 06/11/14 01:36 PM Desc: MW-12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253449	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253449	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-01-5	06/18/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	156-60-5	06/18/14
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253449	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253449	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (77-129%)	96.10%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-122%)	105.53%		1.00	1.00	1.00	10253449	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	98.40%		1.00	0.0100	0.0100	10253449	EPA8260		06/18/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253544	EPA8011	106-93-4	06/19/14
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	96-12-8	06/19/14



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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Quality Report

Quality Control Batch: 10197567

Analyst: MAC

Blank
Chloride

Result	Units
4.00U	mg/L

Laboratory Control Sample
Chloride

Result	Units	Spike	%REC	%REC Lim
51.1	mg/L	50.0	102.14	90.00-110.00

Matrix Spike
Chloride

Result	Units	Spike	%REC	%REC Lim	Sample
61.6	mg/L	50.0	113.22	80.00-120.00	4.95

Quality Control Batch: 10252895

Analyst: PCW

Blank
Nitrate(as N)

Result	Units
0.0100U	mg/L

Quality Control Batch: 10253032

Analyst: PLB

Blank
TDS

Result	Units
2.50U	mg/L

Laboratory Control Sample
TDS

Result	Units	Spike	%REC	%REC Lim
1490	mg/L	1500	99.60	91.15-105.70

Quality Control Batch: 10253192

Analyst: EVB

Blank

Result	Units
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Quality Control Batch: 10253192**Analyst: EVB****Blank**

	Result	Units
Iron	0.0124	mg/L
Sodium	0.500U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Iron	5.19	mg/L	5.00	103.78	81.21-113.54
Sodium	5.05	mg/L	5.00	100.99	78.62-112.15

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Iron	5.51	mg/L	5.00	99.09	57.02-147.60	0.553
Sodium	33.8	mg/L	5.00	95.39	37.63-161.64	29.0

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Iron	5.69	mg/L	5.00	102.75	57.02-147.60	0.553	3.27	19.53
Sodium	35.2	mg/L	5.00	124.33	37.63-161.64	29.0	4.19	19.20

Quality Control Batch: 10253239**Analyst: EVB****Blank**

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



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Quality Control Batch: 10253239**Analyst: EVB**

Blank	Result	Units
Thallium	0.00100U	mg/L
Vanadium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Antimony	0.101	mg/L	0.100	100.97	76.70-120.39
Arsenic	0.102	mg/L	0.100	101.60	81.09-119.32
Barium	0.0934	mg/L	0.100	93.42	84.59-125.11
Beryllium	0.109	mg/L	0.100	109.42	85.69-132.22
Cadmium	0.0996	mg/L	0.100	99.61	84.66-121.81
Chromium	0.106	mg/L	0.100	106.29	87.00-122.96
Cobalt	0.102	mg/L	0.100	101.77	78.66-126.98
Copper	0.106	mg/L	0.100	106.46	84.08-122.69
Lead	0.108	mg/L	0.100	108.43	86.91-124.18
Nickel	0.105	mg/L	0.100	105.03	77.31-126.31
Selenium	0.104	mg/L	0.100	103.51	75.98-121.42
Silver	0.107	mg/L	0.100	107.25	79.76-119.92
Thallium	0.104	mg/L	0.100	103.83	80.95-125.84
Vanadium	0.103	mg/L	0.100	103.08	78.51-125.51
Zinc	0.104	mg/L	0.100	104.16	79.82-122.80

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.0920	mg/L	0.100	91.99	73.48-142.27	0.00200U
Arsenic	0.0887	mg/L	0.100	88.68	73.05-140.45	0.00100U
Barium	0.116	mg/L	0.100	88.23	70.68-156.87	0.0279
Beryllium	0.0724	mg/L	0.100	72.45	89.27-154.67	0.000500U
Cadmium	0.0844	mg/L	0.100	84.41	76.87-137.80	0.00100U
Chromium	0.114	mg/L	0.100	113.61	67.91-144.29	0.00100U
Cobalt	0.107	mg/L	0.100	106.67	68.92-150.01	0.00100U



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Quality Control Batch: 10253239**Analyst: EVB****Matrix Spike**

	Result	Units	Spike	%REC	%REC Lim	Sample
Copper	0.0960	mg/L	0.100	96.01	57.64-148.77	0.00100U
Lead	0.0932	mg/L	0.100	93.20	69.09-150.83	0.00100U
Nickel	0.104	mg/L	0.100	103.96	58.01-145.27	0.00100U
Selenium	0.0754	mg/L	0.100	75.41	63.72-144.34	0.00200U
Silver	0.0821	mg/L	0.100	82.08	48.94-146.79	0.000500U
Thallium	0.0928	mg/L	0.100	92.78	68.93-151.79	0.00100U
Vanadium	0.117	mg/L	0.100	116.54	72.08-149.74	0.00100U
Zinc	0.159	mg/L	0.100	80.48	51.79-149.89	0.0781

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.0908	mg/L	0.100	90.79	73.48-142.27	0.00200U	1.31	23.91
Arsenic	0.0881	mg/L	0.100	88.07	73.05-140.45	0.00100U	0.70	26.42
Barium	0.111	mg/L	0.100	83.01	70.68-156.87	0.0279	4.60	20.91
Beryllium	0.0710	mg/L	0.100	71.03	89.27-154.67	0.000500U	1.98	22.45
Cadmium	0.0831	mg/L	0.100	83.06	76.87-137.80	0.00100U	1.62	24.42
Chromium	0.117	mg/L	0.100	117.41	67.91-144.29	0.00100U	3.29	26.93
Cobalt	0.110	mg/L	0.100	109.74	68.92-150.01	0.00100U	2.84	20.94
Copper	0.0994	mg/L	0.100	99.43	57.64-148.77	0.00100U	3.50	26.04
Lead	0.0911	mg/L	0.100	91.12	69.09-150.83	0.00100U	2.25	26.35
Nickel	0.107	mg/L	0.100	106.67	58.01-145.27	0.00100U	2.58	25.87
Selenium	0.0727	mg/L	0.100	72.71	63.72-144.34	0.00200U	3.65	23.19
Silver	0.0888	mg/L	0.100	88.85	48.94-146.79	0.000500U	7.92	25.78
Thallium	0.0912	mg/L	0.100	91.22	68.93-151.79	0.00100U	1.70	22.45
Vanadium	0.121	mg/L	0.100	120.78	72.08-149.74	0.00100U	3.57	21.04
Zinc	0.165	mg/L	0.100	87.01	51.79-149.89	0.0781	4.04	25.51

Quality Control Batch: 10253253**Analyst: PCW****Blank**

Ammonia (as N)

Result	Units
0.0100U	mg/L



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Quality Control Batch: 10253253

Analyst: PCW

Laboratory Control Sample

Ammonia (as N)

Result	Units	Spike	%REC	%REC Lim
0.477	mg/L	0.500	95.40	80.72-118.76

Matrix Spike

Ammonia (as N)

Result	Units	Spike	%REC	%REC Lim	Sample
23.8	mg/L	0.780	51.28	54.58-133.65	23.4

Matrix Spike Duplicate

Ammonia (as N)

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
23.6	mg/L	0.780	25.64	54.58-133.65	23.4	0.84	13.84

Quality Control Batch: 10253287

Analyst: EVB

Blank

Mercury

Result	Units
0.0000200U	mg/L

Laboratory Control Sample

Mercury

Result	Units	Spike	%REC	%REC Lim
0.000996	mg/L	0.00100	99.59	90.27-115.31

Matrix Spike

Mercury

Result	Units	Spike	%REC	%REC Lim	Sample
0.00304	mg/L	0.00300	101.23	81.00-122.08	0.0000200U

Matrix Spike Duplicate

Mercury

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
0.00301	mg/L	0.00300	100.33	81.00-122.08	0.0000200U	0.89	8.88

Quality Control Batch: 10253449

Analyst: CLS

Blank

Acetone

Result	Units
5.00U	ug/L

Acrylonitrile

0.300U	ug/L
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Benzene

0.500U	ug/L
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Bromochloromethane

0.100U	ug/L
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Bromodichloromethane

0.100U	ug/L
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Bromoform

0.500U	ug/L
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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Quality Control Batch: 10253449

Analyst: CLS

Blank	Result	Units
Bromomethane	0.500U	ug/L
Carbon Disulfide	1.00U	ug/L
Carbon Tetrachloride	0.500U	ug/L
Chlorobenzene	0.500U	ug/L
Chloroethane	0.500U	ug/L
Chloroform	0.500U	ug/L
Chloromethane	0.500U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
Dibromochloromethane	0.400U	ug/L
Dibromomethane	0.500U	ug/L
Ethylbenzene	0.500U	ug/L
Methyl Iodide	1.00U	ug/L
Methyl isobutyl ketone	1.00U	ug/L
Methylene chloride	1.00U	ug/L
o-dichlorobenzene	0.500U	ug/L
Para-dichlorobenzene	0.500U	ug/L
Styrene	0.500U	ug/L
Tetrachloroethene	0.500U	ug/L
Toluene	0.500U	ug/L
trans-1,2-dichloroethene	0.500U	ug/L
trans-1,3,-Dichloropropene	0.500U	ug/L
trans-1,4-dichloro-2-butene	1.00U	ug/L
Trichloroethene	0.500U	ug/L
Trichlorofluoromethane	0.500U	ug/L
Vinyl Acetate	10.0U	ug/L
Vinyl chloride	0.500U	ug/L
Xylenes	1.00U	ug/L
1,1,1,2-Tetrachloroethane	0.500U	ug/L



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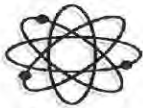
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Blank	Result	Units
1,1,1-Trichloroethane	0.500U	ug/L
1,1,2,2-Tetrachloroethane	0.100U	ug/L
1,1,2-Trichloroethane	0.500U	ug/L
1,1-Dichloroethane	0.500U	ug/L
1,1-Dichloroethene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	31.5	ug/L
Surr:Toluene-d8	29.1	ug/L
Surr:1,2-Dichloroethane-d4	28.1	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acetone	11.5	ug/L	10.0	115.40	38.88-162.52
Acrylonitrile	10.7	ug/L	10.0	107.20	40.32-146.67
Benzene	11.3	ug/L	10.0	112.60	69.86-134.08
Bromochloromethane	11.6	ug/L	10.0	115.80	73.37-125.03
Bromodichloromethane	10.8	ug/L	10.0	107.80	73.69-129.06
Bromoform	10.6	ug/L	10.0	106.00	66.50-120.60
Bromomethane	11.6	ug/L	10.0	115.50	52.06-149.03
Carbon Disulfide	12.1	ug/L	10.0	121.10	72.42-160.65
Carbon Tetrachloride	10.5	ug/L	10.0	104.80	69.24-130.87
Chlorobenzene	11.5	ug/L	10.0	114.80	76.12-122.63
Chloroethane	10.9	ug/L	10.0	108.80	54.48-148.84
Chloroform	11.2	ug/L	10.0	111.90	70.86-132.14
Chloromethane	11.3	ug/L	10.0	112.60	53.66-151.98
cis-1,2-dichloroethene	11.4	ug/L	10.0	114.00	72.17-127.13
cis-1,3-Dichloropropene	11.0	ug/L	10.0	110.20	72.26-128.63



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Quality Control Batch: 10253449

Analyst: CLS

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Dibromochloromethane	11.2	ug/L	10.0	112.00	72.48-118.93
Dibromomethane	11.1	ug/L	10.0	110.60	76.53-123.91
Ethylbenzene	11.2	ug/L	10.0	111.50	70.56-124.95
Methyl Iodide	12.3	ug/L	10.0	122.80	55.71-163.66
Methyl isobutyl ketone	9.82	ug/L	10.0	98.20	50.12-132.13
Methylene chloride	12.6	ug/L	10.0	126.10	40.69-151.61
o-dichlorobenzene	10.8	ug/L	10.0	108.40	59.80-127.24
Para-dichlorobenzene	10.9	ug/L	10.0	108.50	59.80-127.16
Styrene	10.7	ug/L	10.0	107.00	64.43-121.79
Tetrachloroethene	12.6	ug/L	10.0	126.10	49.80-173.40
Toluene	11.4	ug/L	10.0	113.50	75.34-126.10
trans-1,2-dichloroethene	10.7	ug/L	10.0	107.30	69.34-133.94
trans-1,3,-Dichloropropene	11.3	ug/L	10.0	113.40	69.36-124.24
Trichloroethene	10.9	ug/L	10.0	108.80	70.68-139.87
Trichlorofluoromethane	9.50	ug/L	10.0	95.00	44.99-156.60
Vinyl chloride	9.50	ug/L	10.0	95.00	56.53-148.31
Xylenes	32.8	ug/L	30.0	109.33	70.92-123.99
1,1,1,2-Tetrachloroethane	10.8	ug/L	10.0	108.00	72.36-126.72
1,1,1-Trichloroethane	10.9	ug/L	10.0	108.90	72.34-131.71
1,1,2,2-Tetrachloroethane	11.6	ug/L	10.0	115.90	73.03-130.21
1,1,2-Trichloroethane	10.3	ug/L	10.0	102.50	78.01-120.70
1,1-Dichloroethane	11.3	ug/L	10.0	112.60	68.89-133.90
1,1-Dichloroethene	11.2	ug/L	10.0	111.60	57.83-149.70
1,2-dichloroethane	11.1	ug/L	10.0	110.50	71.63-130.49
1,2-dichloropropane	10.9	ug/L	10.0	108.70	72.07-128.11
2-Butanone (MEK)	7.05	ug/L	10.0	70.50	59.03-164.47
2-Hexanone	9.60	ug/L	10.0	96.00	60.06-141.22
Surr:Bromofluorobenzene	30.3	ug/L	30.0	100.97	70.00-122.32
Surr:Toluene-d8	29.6	ug/L	30.0	98.80	80.00-120.00



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Analyst: CLS

Laboratory Control Sample

Surr:1,2-Dichloroethane-d4

Result	Units	Spike	%REC	%REC Lim
29.0	ug/L	30.0	96.73	77.68-129.99

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	9.15	ug/L	20.0	45.75	46.01-156.32	5.00U
Acrylonitrile	19.0	ug/L	20.0	95.05	43.40-147.39	0.300U
Benzene	21.2	ug/L	20.0	106.10	74.48-134.24	0.500U
Bromochloromethane	20.7	ug/L	20.0	103.45	73.98-126.75	0.100U
Bromodichloromethane	21.0	ug/L	20.0	105.10	74.51-131.60	0.100U
Bromoform	20.9	ug/L	20.0	104.35	65.77-126.66	0.500U
Bromomethane	18.8	ug/L	20.0	93.90	45.79-154.07	0.500U
Carbon Tetrachloride	22.1	ug/L	20.0	110.55	69.71-134.11	0.500U
Chlorobenzene	20.7	ug/L	20.0	103.40	78.18-124.63	0.500U
Chloroethane	21.6	ug/L	20.0	107.85	57.96-148.61	0.500U
Chloroform	20.9	ug/L	20.0	104.60	67.52-139.02	0.500U
Chloromethane	19.9	ug/L	20.0	99.50	51.30-156.78	0.500U
cis-1,2-dichloroethene	21.2	ug/L	20.0	106.00	76.64-126.84	0.200U
cis-1,3-Dichloropropene	20.9	ug/L	20.0	104.30	67.26-137.96	0.500U
Dibromochloromethane	21.3	ug/L	20.0	106.50	73.00-123.23	0.400U
Dibromomethane	20.2	ug/L	20.0	101.20	73.11-128.50	0.500U
Ethylbenzene	21.4	ug/L	20.0	107.05	73.91-128.64	0.500U
Methyl Iodide	37.7	ug/L	20.0	188.40	54.23-165.25	1.00U
Methyl isobutyl ketone	18.6	ug/L	20.0	92.85	57.64-133.07	1.00U
Methylene chloride	19.7	ug/L	20.0	98.30	50.29-142.90	1.00U
o-dichlorobenzene	20.3	ug/L	20.0	101.60	71.04-127.37	0.500U
Para-dichlorobenzene	19.8	ug/L	20.0	98.75	70.44-126.55	0.500U
Styrene	20.4	ug/L	20.0	101.90	68.01-124.71	0.500U
Tetrachloroethene	18.7	ug/L	20.0	93.25	49.77-180.05	0.500U
Toluene	21.7	ug/L	20.0	108.50	77.67-128.73	0.500U
trans-1,2-dichloroethene	22.3	ug/L	20.0	111.30	71.14-135.42	0.500U



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Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
trans-1,3,-Dichloropropene	21.1	ug/L	20.0	105.50	68.77-131.64	0.500U
Trichloroethene	20.2	ug/L	20.0	101.10	77.68-135.38	0.500U
Trichlorofluoromethane	19.0	ug/L	20.0	94.80	48.94-159.62	0.500U
Vinyl chloride	18.7	ug/L	20.0	93.35	56.51-147.62	0.500U
Xylenes	62.4	ug/L	60.0	103.98	74.03-127.32	1.00U
1,1,1,2-Tetrachloroethane	20.8	ug/L	20.0	103.80	74.08-128.41	0.500U
1,1,1-Trichloroethane	21.8	ug/L	20.0	109.10	74.12-134.44	0.500U
1,1,2,2-Tetrachloroethane	21.5	ug/L	20.0	107.40	70.96-136.31	0.100U
1,1,2-Trichloroethane	19.4	ug/L	20.0	96.75	78.08-124.41	0.500U
1,1-Dichloroethane	21.6	ug/L	20.0	107.95	72.78-134.55	0.500U
1,1-Dichloroethene	22.6	ug/L	20.0	112.85	58.40-151.32	0.500U
1,2-dichloroethane	20.5	ug/L	20.0	102.60	71.53-134.48	0.500U
1,2-dichloropropane	20.2	ug/L	20.0	101.15	74.50-129.66	0.200U
2-Butanone (MEK)	8.52	ug/L	20.0	42.60	64.53-153.74	0.500U
2-Hexanone	12.1	ug/L	20.0	60.30	62.58-147.29	0.500U
Surr:Bromofluorobenzene	30.1	ug/L	30.0	100.47	53.82-151.16	
Surr:Toluene-d8	29.5	ug/L	30.0	98.27	88.05-109.81	
Surr:1,2-Dichloroethane-d4	28.8	ug/L	30.0	95.97	75.07-126.19	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	10.9	ug/L	20.0	54.35	46.01-156.32	5.00U	17.18	38.47
Acrylonitrile	20.1	ug/L	20.0	100.70	43.40-147.39	0.300U	5.77	24.85
Benzene	22.9	ug/L	20.0	114.55	74.48-134.24	0.500U	7.66	18.98
Bromochloromethane	22.7	ug/L	20.0	113.40	73.98-126.75	0.100U	9.18	15.45
Bromodichloromethane	22.2	ug/L	20.0	111.05	74.51-131.60	0.100U	5.51	14.47
Bromoform	21.4	ug/L	20.0	107.20	65.77-126.66	0.500U	2.69	18.89
Bromomethane	21.4	ug/L	20.0	106.85	45.79-154.07	0.500U	12.90	22.97
Carbon Tetrachloride	24.0	ug/L	20.0	119.90	69.71-134.11	0.500U	8.11	18.68
Chlorobenzene	22.3	ug/L	20.0	111.40	78.18-124.63	0.500U	7.45	17.54



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Quality Control Batch: 10253449

Analyst: CLS

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloroethane	23.1	ug/L	20.0	115.60	57.96-148.61	0.500U	6.94	24.25
Chloroform	22.2	ug/L	20.0	111.20	67.52-139.02	0.500U	6.12	17.36
Chloromethane	20.9	ug/L	20.0	104.65	51.30-156.78	0.500U	5.05	24.58
cis-1,2-dichloroethene	22.6	ug/L	20.0	113.20	76.64-126.84	0.200U	6.57	19.01
cis-1,3-Dichloropropene	22.1	ug/L	20.0	110.45	67.26-137.96	0.500U	5.73	17.79
Dibromochloromethane	22.6	ug/L	20.0	113.20	73.00-123.23	0.400U	6.10	17.16
Dibromomethane	21.6	ug/L	20.0	108.15	73.11-128.50	0.500U	6.64	14.33
Ethylbenzene	22.9	ug/L	20.0	114.45	73.91-128.64	0.500U	6.68	17.78
Methyl Iodide	49.5	ug/L	20.0	247.40	54.23-165.25	1.00U	27.08	24.15
Methyl isobutyl ketone	19.2	ug/L	20.0	95.75	57.64-133.07	1.00U	3.08	23.20
Methylene chloride	21.2	ug/L	20.0	106.15	50.29-142.90	1.00U	7.68	22.29
o-dichlorobenzene	20.8	ug/L	20.0	104.10	71.04-127.37	0.500U	2.43	17.00
Para-dichlorobenzene	21.0	ug/L	20.0	104.75	70.44-126.55	0.500U	5.90	14.84
Styrene	22.3	ug/L	20.0	111.40	68.01-124.71	0.500U	8.91	17.03
Tetrachloroethene	19.4	ug/L	20.0	97.05	49.77-180.05	0.500U	3.99	27.05
Toluene	23.4	ug/L	20.0	116.85	77.67-128.73	0.500U	7.41	18.11
trans-1,2-dichloroethene	24.1	ug/L	20.0	120.65	71.14-135.42	0.500U	8.06	19.23
trans-1,3,-Dichloropropene	22.1	ug/L	20.0	110.70	68.77-131.64	0.500U	4.81	17.05
Trichloroethene	22.4	ug/L	20.0	111.85	77.68-135.38	0.500U	10.10	16.98
Trichlorofluoromethane	21.1	ug/L	20.0	105.50	48.94-159.62	0.500U	10.68	24.90
Vinyl chloride	20.5	ug/L	20.0	102.65	56.51-147.62	0.500U	9.49	21.53
Xylenes	66.8	ug/L	60.0	111.30	74.03-127.32	1.00U	6.80	18.64
1,1,1,2-Tetrachloroethane	22.1	ug/L	20.0	110.55	74.08-128.41	0.500U	6.30	18.35
1,1,1-Trichloroethane	23.6	ug/L	20.0	118.10	74.12-134.44	0.500U	7.92	19.03
1,1,2,2-Tetrachloroethane	22.3	ug/L	20.0	111.25	70.96-136.31	0.100U	3.52	18.50
1,1,2-Trichloroethane	20.6	ug/L	20.0	103.00	78.08-124.41	0.500U	6.26	15.94
1,1-Dichloroethane	23.2	ug/L	20.0	116.20	72.78-134.55	0.500U	7.36	16.44
1,1-Dichloroethene	24.3	ug/L	20.0	121.40	58.40-151.32	0.500U	7.30	23.15
1,2-dichloroethane	21.9	ug/L	20.0	109.25	71.53-134.48	0.500U	6.28	15.32



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Quality Control Batch: 10253449**Analyst: CLS****Matrix Spike Duplicate**

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2-dichloropropane	21.8	ug/L	20.0	108.95	74.50-129.66	0.200U	7.43	16.56
2-Butanone (MEK)	8.63	ug/L	20.0	43.15	64.53-153.74	0.500U	1.28	32.53
2-Hexanone	12.4	ug/L	20.0	62.00	62.58-147.29	0.500U	2.78	25.26
Surr:Bromofluorobenzene	30.3	ug/L	30.0	100.90	53.82-151.16		0.43	13.51
Surr:Toluene-d8	29.4	ug/L	30.0	97.93	88.05-109.81		0.34	7.44
Surr:1,2-Dichloroethane-d4	28.3	ug/L	30.0	94.23	75.07-126.19		1.82	8.75

Quality Control Batch: 10253544**Analyst: DLJ****Blank**

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

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
1,2,3-Trichloropropane	0.303	ug/L	0.250	121.17	80.00-120.00
1,2-Dibromoethane (EDB)	0.298	ug/L	0.250	119.20	71.37-128.24
1,2-dibromo-3-chloropropane	0.280	ug/L	0.250	111.91	56.44-144.91

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
1,2,3-Trichloropropane	0.200	ug/L	0.250	80.00	80.00-120.00	0.0200U
1,2-Dibromoethane (EDB)	0.238	ug/L	0.250	95.25	68.22-125.80	0.0100U
1,2-dibromo-3-chloropropane	0.228	ug/L	0.250	91.27	60.03-124.62	0.0200U

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2,3-Trichloropropane	0.291	ug/L	0.250	116.49	80.00-120.00	0.0200U	37.14	20.00
1,2-Dibromoethane (EDB)	0.304	ug/L	0.250	121.77	68.22-125.80	0.0100U	24.43	16.28
1,2-dibromo-3-chloropropane	0.261	ug/L	0.250	104.28	60.03-124.62	0.0200U	13.30	10.23



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 20, 2014; Invoice: 238458

Narrative Report

Sample Handling

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

Quality Control

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

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
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.
W	The dissolved oxygen blank was above .02 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Report Summary

Date Received: Jun 11, 2014

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
238460GW1	Trip Blank	EPA8260	CLS	Main Lab	Ground Water

Certificate of Results

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



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



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Analysis Report

Lab #: 238460GW1 Sampled: 06/11/14 01:36 PM 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	10253638	EPA8260	630-20-6	06/20/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	71-55-6	06/20/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253638	EPA8260	79-34-5	06/20/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	79-00-5	06/20/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	75-34-3	06/20/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	75-35-4	06/20/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253638	EPA8260	107-06-2	06/20/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253638	EPA8260	78-87-5	06/20/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	78-93-3	06/20/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	591-78-6	06/20/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253638	EPA8260	67-64-1	06/20/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253638	EPA8260	107-13-1	06/20/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	71-43-2	06/20/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253638	EPA8260	074-97-5	06/20/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253638	EPA8260	75-27-4	06/20/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	75-25-2	06/20/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	74-83-9	06/20/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253638	EPA8260	75-15-0	06/20/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	56-23-5	06/20/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	108-90-7	06/20/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	75-00-3	06/20/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	67-66-3	06/20/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	74-87-3	06/20/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253638	EPA8260	124-48-1	06/20/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	074-95-3	06/20/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	100-41-4	06/20/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253638	EPA8260	074-88-4	06/20/14



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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Lab #: 238460GW1 Sampled: 06/11/14 01:36 PM Desc: Trip Blank

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253638	EPA8260	108-10-1	06/20/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253638	EPA8260	75-09-2	06/20/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	106-46-7	06/20/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	100-42-5	06/20/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	127-18-4	06/20/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	108-88-3	06/20/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	79-01-6	06/20/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	75-69-4	06/20/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253638	EPA8260	108-05-4	06/20/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	75-01-4	06/20/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253638	EPA8260	1330-20-7	06/20/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253638	EPA8260	156-59-2	06/20/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	10061-01-5	06/20/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	95-50-1	06/20/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	156-60-5	06/20/14
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253638	EPA8260	10061-02-6	06/20/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253638	EPA8260	110-57-6	06/20/14
Surr:1,2-Dichloroethane-d4 (77-129%)	99.80%		1.00	0.0100	0.0100	10253638	EPA8260		06/20/14
Surr:Bromofluorobenzene (70-122%)	104.60%		1.00	1.00	1.00	10253638	EPA8260	460-00-4	06/20/14
Surr:Toluene-d8 (80-120%)	97.83%		1.00	0.0100	0.0100	10253638	EPA8260		06/20/14



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Quality Report

Quality Control Batch: 10253638

Analyst: CLS

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



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Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Quality Control Batch: 10253638

Analyst: CLS

Blank	Result	Units
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	10.0U	ug/L
Vinyl chloride	0.500U	ug/L
Xylenes	1.00U	ug/L
1,1,1,2-Tetrachloroethane	0.500U	ug/L
1,1,1-Trichloroethane	0.500U	ug/L
1,1,2,2-Tetrachloroethane	0.100U	ug/L
1,1,2-Trichloroethane	0.500U	ug/L
1,1-Dichloroethane	0.500U	ug/L
1,1-Dichloroethene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	31.8	ug/L
Surr:Toluene-d8	29.5	ug/L
Surr:1,2-Dichloroethane-d4	30.1	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acetone	9.08	ug/L	10.0	90.80	38.88-162.52
Acrylonitrile	9.55	ug/L	10.0	95.50	40.32-146.67
Benzene	10.1	ug/L	10.0	101.20	69.86-134.08
Bromochloromethane	10.4	ug/L	10.0	104.10	73.37-125.03
Bromodichloromethane	9.89	ug/L	10.0	98.90	73.69-129.06
Bromoform	9.58	ug/L	10.0	95.80	66.50-120.60
Bromomethane	10.9	ug/L	10.0	109.30	52.06-149.03



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Quality Control Batch: 10253638

Analyst: CLS

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Carbon Disulfide	10.5	ug/L	10.0	105.40	72.42-160.65
Carbon Tetrachloride	10.2	ug/L	10.0	101.50	69.24-130.87
Chlorobenzene	10.0	ug/L	10.0	100.20	76.12-122.63
Chloroethane	10.1	ug/L	10.0	100.90	54.48-148.84
Chloroform	10.1	ug/L	10.0	100.90	70.86-132.14
Chloromethane	9.46	ug/L	10.0	94.60	53.66-151.98
cis-1,2-dichloroethene	9.59	ug/L	10.0	95.90	72.17-127.13
cis-1,3-Dichloropropene	10.0	ug/L	10.0	100.10	72.26-128.63
Dibromochloromethane	10.0	ug/L	10.0	100.10	72.48-118.93
Dibromomethane	10.1	ug/L	10.0	100.70	76.53-123.91
Ethylbenzene	9.96	ug/L	10.0	99.60	70.56-124.95
Methyl Iodide	11.0	ug/L	10.0	109.80	55.71-163.66
Methyl isobutyl ketone	8.91	ug/L	10.0	89.10	50.12-132.13
Methylene chloride	10.9	ug/L	10.0	109.20	40.69-151.61
o-dichlorobenzene	10.1	ug/L	10.0	100.50	59.80-127.24
Para-dichlorobenzene	9.60	ug/L	10.0	96.00	59.80-127.16
Styrene	9.65	ug/L	10.0	96.50	64.43-121.79
Tetrachloroethene	9.81	ug/L	10.0	98.10	49.80-173.40
Toluene	10.1	ug/L	10.0	100.70	75.34-126.10
trans-1,2-dichloroethene	10.4	ug/L	10.0	103.80	69.34-133.94
trans-1,3,-Dichloropropene	9.95	ug/L	10.0	99.50	69.36-124.24
Trichloroethene	10.1	ug/L	10.0	101.10	70.68-139.87
Trichlorofluoromethane	9.04	ug/L	10.0	90.40	44.99-156.60
Vinyl chloride	8.82	ug/L	10.0	88.20	56.53-148.31
Xylenes	29.1	ug/L	30.0	97.10	70.92-123.99
1,1,1,2-Tetrachloroethane	9.86	ug/L	10.0	98.60	72.36-126.72
1,1,1-Trichloroethane	10.1	ug/L	10.0	101.20	72.34-131.71
1,1,2,2-Tetrachloroethane	10.5	ug/L	10.0	105.20	73.03-130.21
1,1,2-Trichloroethane	9.53	ug/L	10.0	95.30	78.01-120.70



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Quality Control Batch: 10253638

Analyst: CLS

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
1,1-Dichloroethane	10.3	ug/L	10.0	103.20	68.89-133.90
1,1-Dichloroethene	10.4	ug/L	10.0	104.20	57.83-149.70
1,2-dichloroethane	9.98	ug/L	10.0	99.80	71.63-130.49
1,2-dichloropropane	9.65	ug/L	10.0	96.50	72.07-128.11
2-Butanone (MEK)	11.1	ug/L	10.0	110.80	59.03-164.47
2-Hexanone	7.73	ug/L	10.0	77.30	60.06-141.22
Surr:Bromofluorobenzene	30.8	ug/L	30.0	102.50	70.00-122.32
Surr:Toluene-d8	29.8	ug/L	30.0	99.33	80.00-120.00
Surr:1,2-Dichloroethane-d4	30.7	ug/L	30.0	102.17	77.68-129.99

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	14.4	ug/L	20.0	72.10	46.01-156.32	5.00U
Acrylonitrile	15.6	ug/L	20.0	77.95	43.40-147.39	0.300U
Benzene	18.8	ug/L	20.0	93.80	74.48-134.24	0.500U
Bromochloromethane	18.0	ug/L	20.0	89.75	73.98-126.75	0.100U
Bromodichloromethane	18.3	ug/L	20.0	91.45	74.51-131.60	0.100U
Bromoform	17.0	ug/L	20.0	84.80	65.77-126.66	0.500U
Bromomethane	20.5	ug/L	20.0	102.50	45.79-154.07	0.500U
Carbon Tetrachloride	19.6	ug/L	20.0	97.85	69.71-134.11	0.500U
Chlorobenzene	18.5	ug/L	20.0	92.55	78.18-124.63	0.500U
Chloroethane	18.9	ug/L	20.0	94.65	57.96-148.61	0.500U
Chloroform	18.4	ug/L	20.0	92.15	67.52-139.02	0.500U
Chloromethane	16.9	ug/L	20.0	84.40	51.30-156.78	0.500U
cis-1,2-dichloroethene	18.2	ug/L	20.0	90.95	76.64-126.84	0.200U
cis-1,3-Dichloropropene	17.9	ug/L	20.0	89.50	67.26-137.96	0.500U
Dibromochloromethane	18.0	ug/L	20.0	89.90	73.00-123.23	0.400U
Dibromomethane	17.3	ug/L	20.0	86.30	73.11-128.50	0.500U
Ethylbenzene	18.8	ug/L	20.0	93.85	73.91-128.64	0.500U
Methyl Iodide	28.1	ug/L	20.0	140.35	54.23-165.25	1.00U



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Quality Control Batch: 10253638

Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Methyl isobutyl ketone	15.0	ug/L	20.0	74.90	57.64-133.07	1.00U
Methylene chloride	17.6	ug/L	20.0	87.85	50.29-142.90	1.00U
o-dichlorobenzene	17.3	ug/L	20.0	86.45	71.04-127.37	0.500U
Para-dichlorobenzene	17.0	ug/L	20.0	84.85	70.44-126.55	0.500U
Styrene	18.2	ug/L	20.0	91.20	68.01-124.71	0.500U
Tetrachloroethene	22.1	ug/L	20.0	110.55	49.77-180.05	0.500U
Toluene	18.8	ug/L	20.0	93.95	77.67-128.73	0.500U
trans-1,2-dichloroethene	20.0	ug/L	20.0	100.20	71.14-135.42	0.500U
trans-1,3,-Dichloropropene	18.1	ug/L	20.0	90.45	68.77-131.64	0.500U
Trichloroethene	18.9	ug/L	20.0	94.55	77.68-135.38	0.500U
Trichlorofluoromethane	17.5	ug/L	20.0	87.40	48.94-159.62	0.500U
Vinyl chloride	17.0	ug/L	20.0	85.20	56.51-147.62	0.500U
Xylenes	55.0	ug/L	60.0	91.63	74.03-127.32	1.00U
1,1,1,2-Tetrachloroethane	17.8	ug/L	20.0	89.20	74.08-128.41	0.500U
1,1,1-Trichloroethane	19.5	ug/L	20.0	97.30	74.12-134.44	0.500U
1,1,2,2-Tetrachloroethane	16.7	ug/L	20.0	83.25	70.96-136.31	0.100U
1,1,2-Trichloroethane	16.9	ug/L	20.0	84.50	78.08-124.41	0.500U
1,1-Dichloroethane	19.0	ug/L	20.0	94.95	72.78-134.55	0.500U
1,1-Dichloroethene	20.2	ug/L	20.0	100.80	58.40-151.32	0.500U
1,2-dichloroethane	17.8	ug/L	20.0	88.90	71.53-134.48	0.500U
1,2-dichloropropane	17.8	ug/L	20.0	89.15	74.50-129.66	0.200U
2-Butanone (MEK)	18.9	ug/L	20.0	94.50	64.53-153.74	0.500U
2-Hexanone	13.1	ug/L	20.0	65.65	62.58-147.29	0.500U
Surr:Bromofluorobenzene	30.7	ug/L	30.0	102.40	53.82-151.16	
Surr:Toluene-d8	29.7	ug/L	30.0	99.10	88.05-109.81	
Surr:1,2-Dichloroethane-d4	29.5	ug/L	30.0	98.27	75.07-126.19	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	14.0	ug/L	20.0	69.80	46.01-156.32	5.00U	3.24	38.47



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Quality Control Batch: 10253638

Analyst: CLS

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acrylonitrile	17.5	ug/L	20.0	87.70	43.40-147.39	0.300U	11.77	24.85
Benzene	21.5	ug/L	20.0	107.35	74.48-134.24	0.500U	13.47	18.98
Bromochloromethane	20.8	ug/L	20.0	103.80	73.98-126.75	0.100U	14.52	15.45
Bromodichloromethane	21.2	ug/L	20.0	105.95	74.51-131.60	0.100U	14.69	14.47
Bromoform	19.5	ug/L	20.0	97.70	65.77-126.66	0.500U	14.14	18.89
Bromomethane	23.3	ug/L	20.0	116.65	45.79-154.07	0.500U	12.91	22.97
Carbon Tetrachloride	21.8	ug/L	20.0	108.85	69.71-134.11	0.500U	10.64	18.68
Chlorobenzene	21.1	ug/L	20.0	105.65	78.18-124.63	0.500U	13.22	17.54
Chloroethane	21.0	ug/L	20.0	105.05	57.96-148.61	0.500U	10.42	24.25
Chloroform	21.2	ug/L	20.0	105.90	67.52-139.02	0.500U	13.89	17.36
Chloromethane	20.1	ug/L	20.0	100.25	51.30-156.78	0.500U	17.17	24.58
cis-1,2-dichloroethene	21.0	ug/L	20.0	104.80	76.64-126.84	0.200U	14.15	19.01
cis-1,3-Dichloropropene	20.6	ug/L	20.0	102.90	67.26-137.96	0.500U	13.93	17.79
Dibromochloromethane	20.2	ug/L	20.0	100.90	73.00-123.23	0.400U	11.53	17.16
Dibromomethane	19.6	ug/L	20.0	97.75	73.11-128.50	0.500U	12.44	14.33
Ethylbenzene	21.2	ug/L	20.0	106.20	73.91-128.64	0.500U	12.35	17.78
Methyl Iodide	34.3	ug/L	20.0	171.55	54.23-165.25	1.00U	20.01	24.15
Methyl isobutyl ketone	16.4	ug/L	20.0	82.15	57.64-133.07	1.00U	9.23	23.20
Methylene chloride	20.3	ug/L	20.0	101.25	50.29-142.90	1.00U	14.17	22.29
o-dichlorobenzene	19.7	ug/L	20.0	98.35	71.04-127.37	0.500U	12.88	17.00
Para-dichlorobenzene	19.5	ug/L	20.0	97.30	70.44-126.55	0.500U	13.67	14.84
Styrene	21.1	ug/L	20.0	105.50	68.01-124.71	0.500U	14.54	17.03
Tetrachloroethene	25.8	ug/L	20.0	129.00	49.77-180.05	0.500U	15.40	27.05
Toluene	21.5	ug/L	20.0	107.40	77.67-128.73	0.500U	13.36	18.11
trans-1,2-dichloroethene	22.6	ug/L	20.0	112.90	71.14-135.42	0.500U	11.92	19.23
trans-1,3,-Dichloropropene	20.6	ug/L	20.0	102.80	68.77-131.64	0.500U	12.78	17.05
Trichloroethene	21.3	ug/L	20.0	106.50	77.68-135.38	0.500U	11.89	16.98
Trichlorofluoromethane	19.7	ug/L	20.0	98.50	48.94-159.62	0.500U	11.94	24.90
Vinyl chloride	19.5	ug/L	20.0	97.25	56.51-147.62	0.500U	13.21	21.53



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PO #: 40612
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Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Quality Control Batch: 10253638

Analyst: CLS

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Xylenes	62.5	ug/L	60.0	104.18	74.03-127.32	1.00U	12.82	18.64
1,1,1,2-Tetrachloroethane	20.5	ug/L	20.0	102.35	74.08-128.41	0.500U	13.73	18.35
1,1,1-Trichloroethane	21.6	ug/L	20.0	108.00	74.12-134.44	0.500U	10.42	19.03
1,1,2,2-Tetrachloroethane	18.0	ug/L	20.0	90.15	70.96-136.31	0.100U	7.96	18.50
1,1,2-Trichloroethane	19.1	ug/L	20.0	95.60	78.08-124.41	0.500U	12.33	15.94
1,1-Dichloroethane	21.5	ug/L	20.0	107.35	72.78-134.55	0.500U	12.26	16.44
1,1-Dichloroethene	22.6	ug/L	20.0	112.95	58.40-151.32	0.500U	11.37	23.15
1,2-dichloroethane	20.2	ug/L	20.0	100.90	71.53-134.48	0.500U	12.64	15.32
1,2-dichloropropane	20.5	ug/L	20.0	102.55	74.50-129.66	0.200U	13.98	16.56
2-Butanone (MEK)	19.5	ug/L	20.0	97.70	64.53-153.74	0.500U	3.33	32.53
2-Hexanone	14.3	ug/L	20.0	71.35	62.58-147.29	0.500U	8.32	25.26
Surr:Bromofluorobenzene	30.4	ug/L	30.0	101.17	53.82-151.16		1.21	13.51
Surr:Toluene-d8	29.9	ug/L	30.0	99.67	88.05-109.81		0.57	7.44
Surr:1,2-Dichloroethane-d4	29.3	ug/L	30.0	97.50	75.07-126.19		0.78	8.75



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 11, 2014
Jun 23, 2014; Invoice: 238460

Narrative Report

Sample Handling

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

Quality Control

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

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
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.
W	The dissolved oxygen blank was above .02 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Check Box That Applies To Your Location

☐ Flowers Chemical Laboratories, Inc.

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

☐ Flowers Chemical Labs-South

West Park Industrial Plaza
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Port St. Lucie, FL 34986
Bus: 772-343-8006
Fax: 772-343-8089

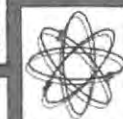
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Fax: 305-743-8598

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Client ATKINS - TAMPA	Project Name HARDEE CO. LANDFILL	P.O. # 40612
Address	Client Contact	FAX
	FCL Project Manager	E-MAIL
Phone RAY	Requested Due Date 10 Day Standard OR 	Rush Charges May Apply

Sampled By (PRINT): RAY CASTRO	Pick-Up Fee \$ 	Vehicle Surcharge \$ 	Sampling Fee \$
--	---	---	--

Sampler Signature <i>Raymundo Castro</i>	Date Sampled 6/11/14	PRESERVATIVES	ANALYSES REQUEST	COMMENTS	Total # Containers
GW - ground water DW - drinking water WW - wastewater SW - surface water SO - soil/solid SL - sludge HW - waste		NONE H ₂ SO ₄ HNO ₃ HCl Na ₂ S ₂ O ₃	QUICK LIST LANDFILL APPLT SEE ATTACHED KR	1.2°C	

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H ₂ SO ₄	HNO ₃	HCl	Na ₂ S ₂ O ₃										
1	MW-1	6/11/14	14:45	GW	2384586w1															
2	MW-2		9:11			2														
3	MW-4		10:26			3														
4	MW-10R		12:06			4														
5	MW-11		12:51			5														
6	MW-12R		13:36			6														
7	NAW-1																			
8	Trip Blank	6/11/14	13:30	"GW"	238460GW1															
9																				
10																				

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
						<i>Raymundo Castro</i>	6/12/14	16:25	<i>Flowers</i>	6/12/14	16:25

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

KIT REQUEST FORM

Altamonte Springs, FL 32701

Phone (407) 339-5984 Fax (407) 260-6110

FCL	Project Manager:	June Flowers
-----	------------------	--------------

[illegible][illegible]

Ship To:		Client #	Date Ordered:		Date to be Shipped:		Date Needed:	
			05/30/14				06/06/14	
Atkins-Tampa		Extra Coolers:		<input type="checkbox"/> (L)	<input type="checkbox"/> (M)	<input type="checkbox"/> (S)		
		Trip Blanks:		<input checked="" type="checkbox"/> w/HCI	<input type="checkbox"/>	w/o HCI		
Tampa Account		Custody Chain:		<input checked="" type="checkbox"/> Env.	<input type="checkbox"/>	DW		
ATTN: Ray Castro		Temp Blank:		<input type="checkbox"/>	Bailers:	<input type="checkbox"/>		
Project: "40612"		Special Notes:		Cooler ID				
Location: Hardee County Landfill		Use Quicklist "Landfill App 1+" it includes the field parms						
Sampling Dates:								
<div style="float: right;">Customer Pick Up: Date: _____ Time: 8am</div> <div style="clear: both;"></div> <div style="text-align: center;">SHIPPING METHOD</div> <input type="checkbox"/> STD. DHL <input type="checkbox"/> DHL Next Day <input type="checkbox"/> Fed-Ex Flowers Account <input type="checkbox"/> Fed-Ex Client Account # _____ <input type="checkbox"/> Other: _____								
SAMPLE KIT ID: Return this with COC Thank You for Your Business								



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Report Summary

Date Received: Jun 12, 2014

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
238457GW1	MW-13/29063	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8081	DLJ	Main Lab	
		EPA8082	DLJ	Main Lab	
		EPA8141	DLJ	Main Lab	
		EPA8151	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		EPA8270	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	MAC	Main Lab	
		SM4500CN-E	PCW	Main Lab	
		X8081	BRC	Main Lab	
		X8141	BRC	Main Lab	
		X8151	BRC	Main Lab	
		X8270	BRC	Main Lab	
		XPCB	BMR	Main Lab	
238457GW2	MW-14/29064	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8081	DLJ	Main Lab	
		EPA8082	DLJ	Main Lab	
		EPA8141	DLJ	Main Lab	
		EPA8151	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		EPA8270	CLS	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	



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FT1500	RJC	Main Lab
FT1600	RJC	Main Lab
SM2540 C	PLB	Main Lab
SM4500-CI E	MAC	Main Lab
SM4500CN-E	PCW	Main Lab
X8081	BRC	Main Lab
X8141	BRC	Main Lab
X8151	BRC	Main Lab
X8270	BRC	Main Lab
XPCB	BMR	Main Lab

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP 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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Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Analysis Report

Lab #: 238457GW1 Sampled: 06/12/14 10:34 AM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	17.8	mg/L	1.00	4.00	8.00	10197567	SM4500-Cl E	16887-00-6	06/17/14
Nitrate(as N)	0.0327	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:46 AM
Chlor_Herb_Extraction	40.0	mL	1.00			10253003	X8151		06/13/14
Field DO	0.670	mg/L	1.00	0.100	0.100	10253059	FT1500		06/12/14
Iron	1.50	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14
Sodium	5.67	mg/L	1.00	0.500	1.00	10253192	EPA6010	7440-23-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.00406	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14
Tin	0.00500 U	mg/L	1.00	0.00500	0.0100	10253239	EPA6020	7440-31-5	06/16/14
Vanadium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0428	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10253253	EPA350.1	7664-41-7	06/17/14
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10253287	EPA7470	7439-97-6	06/18/14
2,4,5-T	0.250 U	ug/L	1.00	0.250	0.500	10253410	EPA8151	93-76-5	06/16/14
2,4,5-TP (Silvex)	0.250 U	ug/L	1.00	0.250	0.500	10253410	EPA8151	93-72-1	06/16/14
2,4-D	0.250 U	ug/L	1.00	0.250	0.500	10253410	EPA8151	94-75-7	06/16/14



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Lab #: 238457GW1 Sampled: 06/12/14 10:34 AM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dinoseb	0.250 U	ug/L	1.00	0.250	0.500	10253410	EPA8151	88-85-7	06/16/14
Surr:DCAA (38-150%)	109.96%		1.00	0.0100	0.0100	10253410	EPA8151		06/16/14
Phos_Pest_Extraction	1000	mL	1.00			10253427	X8141		06/18/14
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253452	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-35-4	06/18/14
1,1-Dichloropropene	0.200 U	ug/L	1.00	0.200	0.400	10253452	EPA8260	563-58-6	06/18/14
1,2,4-trichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	120-82-1	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253452	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253452	EPA8260	78-87-5	06/18/14
1,3-Dichloropropane	0.300 U	ug/L	1.00	0.300	0.600	10253452	EPA8260	142-28-9	06/18/14
2,2-Dichloropropane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	594-20-7	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253452	EPA8260	67-64-1	06/18/14
Acetonitrile	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	75-05-8	06/18/14
Acrolein	3.50 U	ug/L	1.00	3.50	7.00	10253452	EPA8260	107-02-8	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253452	EPA8260	107-13-1	06/18/14
Allyl Chloride	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	107-05-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253452	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253452	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	56-23-5	06/18/14



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Lab #: 238457GW1 Sampled: 06/12/14 10:34 AM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	74-87-3	06/18/14
Chloroprene	5.00 U	ug/L	1.00	5.00	10.0	10253452	EPA8260	126-99-8	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253452	EPA8260	124-48-1	06/18/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	074-95-3	06/18/14
Dichlorodifluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-71-8	06/18/14
Ethyl methacrylate	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	97-63-2	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	100-41-4	06/18/14
Iso-butyl Alcohol	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	78-83-1	06/18/14
Methacrylonitrile	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	126-98-7	06/18/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	074-88-4	06/18/14
Methyl Methacrylate	2.00 U	ug/L	1.00	2.00	4.00	10253452	EPA8260	80-62-6	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	106-46-7	06/18/14
Propionitrile	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	107-12-0	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253452	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253452	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	10061-01-5	06/18/14
m-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	541-73-1	06/18/14



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o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	156-60-5	06/18/14
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (77-129%)	96.97%		1.00	0.0100	0.0100	10253452	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-122%)	106.00%		1.00	1.00	1.00	10253452	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	97.43%		1.00	0.0100	0.0100	10253452	EPA8260		06/18/14
Field Ground Water Elevation	78.6	ft	1.00	-10.0	-10.0	10253486	FT1000		06/12/14
Field pH (units)	5.37	pH	1.00	0.0100	0.0200	10253486	FT1100	C006	06/12/14
Field Conductivity	113	umhos/cm	1.00	0.100	0.100	10253486	FT1200		06/12/14
Field Temp. (C)	25.7	oC	1.00	0.100	0.100	10253486	FT1400		06/12/14
Field Turbidity	3.45	NTU	1.00	0.100	0.100	10253486	FT1600		06/12/14
Cyanide	0.00500 U	mg/L	1.00	0.00500	0.0100	10253516	SM4500CN-E	57-12-5	06/19/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253544	EPA8011	106-93-4	06/19/14
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	96-12-8	06/19/14
2,4,5-Trichlorophenol	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	95-95-4	06/23/14
2,4,6-Trichlorophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	88-06-2	06/23/14
2,4-Dichlorophenol	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	120-83-2	06/23/14
2,4-Dimethylphenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	105-67-9	06/23/14
2,4-Dinitrophenol	5.00 U	ug/L	1.00	5.00	10.0	10253717	EPA8270	51-28-5	06/23/14
2,4-Dinitrotoluene	0.200 U	ug/L	1.00	0.200	0.200	10253717	EPA8270	121-14-2	06/23/14
2,6-Dinitrotoluene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	606-20-2	06/23/14
2-Chloronaphthalene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	91-58-7	06/23/14
2-Nitrophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	88-75-5	06/23/14
2-chlorophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	95-57-8	06/23/14
2-methyl-4,6-dinitrophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	534-52-1	06/23/14
2-methyl-Naphthalene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	91-57-6	06/23/14
3,3'-Dichlorobenzidine	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	91-94-1	06/23/14



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4-Bromophenylphenyl ether	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	101-55-3	06/23/14
4-Chlorophenylphenyl ether	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	7005-72-3	06/23/14
4-Nitrophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	100-02-7	06/23/14
Acenaphthene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	83-32-9	06/23/14
Acenaphthylene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	208-96-8	06/23/14
Anthracene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	120-12-7	06/23/14
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10253717	EPA8270	56-55-3	06/23/14
Benzo(a)pyrene	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	50-32-8	06/23/14
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.100	10253717	EPA8270	205-99-2	06/23/14
Benzo(g,h,i)perylene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	191-24-2	06/23/14
Benzo(k)fluoranthene	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	207-08-9	06/23/14
Bis(2-chloroethoxy)methane	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	111-91-1	06/23/14
Bis(2-chloroethyl)ether	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	111-44-4	06/23/14
Bis(2-ethylhexyl)phthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	117-81-7	06/23/14
Butyl benzyl phthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	85-68-7	06/23/14
Chrysene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	218-01-9	06/23/14
Di-n-butylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	84-74-2	06/23/14
Di-n-octylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	117-84-0	06/23/14
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.200	10253717	EPA8270	53-70-3	06/23/14
Diethylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	84-66-2	06/23/14
Dimethylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	131-11-3	06/23/14
Fluoranthene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	206-44-0	06/23/14
Fluorene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	86-73-7	06/23/14
Hexachlorobenzene	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	118-74-1	06/23/14
Hexachlorobutadiene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	87-68-3	06/23/14
Hexachlorocyclopentadiene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	77-47-4	06/23/14
Hexachloroethane	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	67-72-1	06/23/14
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.200	10253717	EPA8270	193-39-5	06/23/14
Isophorone	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	78-59-1	06/23/14



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Lab #: 238457GW1 Sampled: 06/12/14 10:34 AM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
N-Nitrosodi-n-propylamine	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	621-64-7	06/23/14
N-Nitrosodimethylamine	3.00 U	ug/L	1.00	3.00	12.0	10253717	EPA8270	62-75-9	06/23/14
N-Nitrosodiphenylamine	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	86-30-6	06/23/14
Naphthalene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	91-20-3	06/23/14
Nitrobenzene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	98-95-3	06/23/14
Pentachlorophenol	0.400 U	ug/L	1.00	0.400	0.800	10253717	EPA8270	87-86-5	06/23/14
Phenanthrene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	85-01-8	06/23/14
Phenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	108-95-2	06/23/14
Pyrene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	129-00-0	06/23/14
m-Cresol	10.0 U	ug/L	1.00	10.0	20.0	10253717	EPA8270	108-39-4	06/23/14
o-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	95-48-7	06/23/14
p-Chloro-m-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	59-50-7	06/23/14
p-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	106-44-5	06/23/14
Surr:2,4,6-Tribromophenol (25-125%)	46.88%		1.00	1.00	1.00	10253717	EPA8270	118-79-6	06/23/14
Surr:2-Fluorobiphenyl (25-125%)	38.78%		1.00	1.00	1.00	10253717	EPA8270	321-60-8	06/23/14
Surr:2-Fluorophenol (20-120%)	36.04%		1.00	0.0100	0.0100	10253717	EPA8270		06/23/14
Surr:Nitrobenzene-d5 (50-125%)	40.06%		1.00	0.0100	0.0100	10253717	EPA8270		06/23/14
Surr:Phenol-d5 (10-110%)	26.50%		1.00	1.00	1.00	10253717	EPA8270		06/23/14
Surr:Terphenyl-d14 (35-125%)	41.20%		1.00	1.00	1.00	10253717	EPA8270		06/23/14
4,4'-DDD	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	72-54-8	06/23/14
4,4'-DDE	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	72-55-9	06/23/14
4,4'-DDT	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	50-29-3	06/23/14
Aldrin	0.0200 U	ug/L	1.00	0.0200	0.0200	10253718	EPA8081	309-00-2	06/23/14
Chlordane	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	57-74-9	06/23/14
Dieldrin	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	60-57-1	06/23/14
Endosulfan_I	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	959-98-8	06/23/14
Endosulfan_II	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	33213-65-9	06/23/14
Endosulfan_sulfate	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	1031-07-8	06/23/14
Endrin	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	72-20-8	06/23/14



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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Endrin_Aldehyde	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	7421-93-4	06/23/14
Heptachlor	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	76-44-8	06/23/14
Heptachlor epoxide	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	1024-57-3	06/23/14
Lindane (g-BHC)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	58-89-9	06/23/14
Methoxychlor	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	72-43-5	06/23/14
Toxaphene	0.500 U	ug/L	1.00	0.500	1.00	10253718	EPA8081	8001-35-2	06/23/14
a-BHC	0.0200 U	ug/L	1.00	0.0200	0.0200	10253718	EPA8081	319-84-6	06/23/14
b-BHC	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	319-85-7	06/23/14
d-BHC	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	319-86-8	06/23/14
Surr:Decachlorobiphenyl (26-128%)	38.16%		1.00	0.000100	0.000200	10253718	EPA8081		06/23/14
1,2,4,5-Tetrachlorobenzene	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	95-94-3	06/23/14
1,4-Naphthoquinone	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	130-15-4	06/23/14
1-Naphthalamine	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	134-32-7	06/23/14
2,3,4,6-Tetrachlorophenol	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	58-90-2	06/23/14
2,6-Dichlorophenol	1.00 U	ug/L	1.00	1.00	4.00	10253719	EPA8270	87-65-0	06/23/14
2-Acetylaminofluorene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	53-96-3	06/23/14
2-Naphthylamine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	91-59-8	06/23/14
3,3'-Dimethylbenzidine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	119-93-7	06/23/14
3-Methylcholanthrene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	56-49-5	06/23/14
4-Aminobiphenyl	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	92-67-1	06/23/14
5-Nitro-o-toluidine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	99-55-8	06/23/14
7,12-Dimethylbenz(a)anthracene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	57-97-6	06/23/14
Acetophenone	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	98-86-2	06/23/14
Benzyl alcohol	5.00 U	ug/L	1.00	5.00	10.0	10253719	EPA8270	100-51-6	06/23/14
Chlorobenzilate	0.800 U	ug/L	1.00	0.800	1.60	10253719	EPA8270	510-15-6	06/23/14
Diallate	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	2303-16-4	06/23/14
Dibenzofuran	5.00 U	ug/L	1.00	5.00	10.0	10253719	EPA8270	132-64-9	06/23/14
Dimethoate	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	60-51-5	06/23/14
Diphenylamine	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	122-39-4	06/23/14



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Ethyl methanesulfonate	20.0 U	ug/L	1.00	20.0	40.0	10253719	EPA8270	62-50-0	06/23/14
Famphur	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	52-85-7	06/23/14
Hexachloropropene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	1888-71-7	06/23/14
Isodrin	20.0 U	ug/L	1.00	20.0	40.0	10253719	EPA8270	465-73-6	06/23/14
Isosafrole	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	120-58-1	06/23/14
Kepone	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	143-50-0	06/23/14
Methapyrilene	20.0 U	ug/L	1.00	20.0	40.0	10253719	EPA8270	91-80-5	06/23/14
Methyl methanesulfonate	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	66-27-3	06/23/14
N-Nitroso di-n-butylamine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	924-16-3	06/23/14
N-Nitrosodiethylamine	3.00 U	ug/L	1.00	3.00	12.0	10253719	EPA8270	55-18-5	06/23/14
N-Nitrosomethylethylamine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	10595-95-6	06/23/14
N-Nitrosopiperidine	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	100-75-4	06/23/14
N-Nitrosopyrrolidine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	930-55-2	06/23/14
O,O,O-Triethylphosphorothioate	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	126-68-1	06/23/14
O,O-diethyl-O,2-pyrazinylphosphorothioate	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	297-97-2	06/23/14
Pentachlorobenzene	0.300 U	ug/L	1.00	0.300	0.600	10253719	EPA8270	608-93-5	06/23/14
Pentachloronitrobenzene	0.300 U	ug/L	1.00	0.300	0.600	10253719	EPA8270	82-68-8	06/23/14
Phenacetin	20.0 U	ug/L	1.00	20.0	40.0	10253719	EPA8270	62-44-2	06/23/14
Pronamide	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	23950-58-5	06/23/14
Saffrole	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	94-59-7	06/23/14
Trinitrobenzene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	99-35-4	06/23/14
m-Dinitrobenzene	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	99-65-0	06/23/14
m-nitroaniline	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	99-09-2	06/23/14
o-Toluidine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	95-53-4	06/23/14
o-nitroaniline	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	88-74-4	06/23/14
p-(Dimethylamino)azobenzene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	60-11-7	06/23/14
p-Chloroaniline	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	106-47-8	06/23/14
p-Phenylenediamine	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	106-50-3	06/23/14
p-nitroaniline	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	100-01-6	06/23/14



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Arochlor 1016	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	12674-11-2	06/23/14
Arochlor 1221	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	11104-28-2	06/23/14
Arochlor 1232	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	11141-16-5	06/23/14
Arochlor 1242	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	53469-21-9	06/23/14
Arochlor 1248	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	12672-29-6	06/23/14
Arochlor 1254	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	11097-69-1	06/23/14
Arochlor 1260	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	11096-82-5	06/23/14
Disulfoton	0.300 U	ug/L	1.00	0.300	2.00	10253823	EPA8141	298-04-4	04/08/14
Ethyl Parathion	0.500 U	ug/L	1.00	0.500	1.00	10253823	EPA8141	56382	04/08/14
Methyl Parathion	0.500 U	ug/L	1.00	0.500	1.00	10253823	EPA8141	298-00-0	04/08/14
Phorate	1.00 U	ug/L	1.00	1.00	2.00	10253823	EPA8141	298-02-2	04/08/14
Surr:CI-NBTF (69-129%)	106.25%		1.00	1.00	2.00	10253823	EPA8141		04/08/14
TDS	104	mg/L	1.00	2.50	5.00	10253924	SM2540 C	10-33-3	06/13/14
Chlor_Pest_Extraction	1000	mL	1.00			10253963	X8081		06/17/14
Acid Base Extraction	1000	mL	1.00			10253965	X8270		06/17/14
PCB_Extraction	1000	mL	1.00			10253966	XPCB		06/17/14

Lab #: 238457GW2 Sampled: 06/12/14 09:22 AM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	36.9	mg/L	1.00	4.00	8.00	10197567	SM4500-Cl E	16887-00-6	06/17/14
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:47 AM
Chlor_Herb_Extraction	40.0	mL	1.00			10253003	X8151		06/13/14
Field DO	1.07	mg/L	1.00	0.100	0.100	10253059	FT1500		06/12/14
Iron	6.38	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14
Sodium	9.65	mg/L	1.00	0.500	1.00	10253192	EPA6010	7440-23-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.0213	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14



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Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00453	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14
Tin	0.00500 U	mg/L	1.00	0.00500	0.0100	10253239	EPA6020	7440-31-5	06/16/14
Vanadium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0364	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Ammonia (as N)	0.255	mg/L	1.00	0.0100	0.0200	10253253	EPA350.1	7664-41-7	06/17/14
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10253287	EPA7470	7439-97-6	06/18/14
2,4,5-T	0.250 U	ug/L	1.00	0.250	0.500	10253410	EPA8151	93-76-5	06/16/14
2,4,5-TP (Silvex)	0.250 U	ug/L	1.00	0.250	0.500	10253410	EPA8151	93-72-1	06/16/14
2,4-D	0.250 U	ug/L	1.00	0.250	0.500	10253410	EPA8151	94-75-7	06/16/14
Dinoseb	0.250 U	ug/L	1.00	0.250	0.500	10253410	EPA8151	88-85-7	06/16/14
Surr:DCAA (38-150%)	88.98%		1.00	0.0100	0.0100	10253410	EPA8151		06/16/14
Phos_Pest_Extraction	1000	mL	1.00			10253427	X8141		06/18/14
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253452	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-35-4	06/18/14
1,1-Dichloropropene	0.200 U	ug/L	1.00	0.200	0.400	10253452	EPA8260	563-58-6	06/18/14
1,2,4-trichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	120-82-1	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253452	EPA8260	107-06-2	06/18/14



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Lab #: 238457GW2 Sampled: 06/12/14 09:22 AM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253452	EPA8260	78-87-5	06/18/14
1,3-Dichloropropane	0.300 U	ug/L	1.00	0.300	0.600	10253452	EPA8260	142-28-9	06/18/14
2,2-Dichloropropane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	594-20-7	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253452	EPA8260	67-64-1	06/18/14
Acetonitrile	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	75-05-8	06/18/14
Acrolein	3.50 U	ug/L	1.00	3.50	7.00	10253452	EPA8260	107-02-8	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253452	EPA8260	107-13-1	06/18/14
Allyl Chloride	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	107-05-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253452	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253452	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	74-87-3	06/18/14
Chloroprene	5.00 U	ug/L	1.00	5.00	10.0	10253452	EPA8260	126-99-8	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253452	EPA8260	124-48-1	06/18/14
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	074-95-3	06/18/14
Dichlorodifluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-71-8	06/18/14
Ethyl methacrylate	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	97-63-2	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	100-41-4	06/18/14
Iso-butyl Alcohol	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	78-83-1	06/18/14
Methacrylonitrile	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	126-98-7	06/18/14



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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	074-88-4	06/18/14
Methyl Methacrylate	2.00 U	ug/L	1.00	2.00	4.00	10253452	EPA8260	80-62-6	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	106-46-7	06/18/14
Propionitrile	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	107-12-0	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253452	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253452	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	10061-01-5	06/18/14
m-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	541-73-1	06/18/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	156-60-5	06/18/14
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253452	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253452	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (77-129%)	96.83%		1.00	0.0100	0.0100	10253452	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-122%)	102.93%		1.00	1.00	1.00	10253452	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	97.00%		1.00	0.0100	0.0100	10253452	EPA8260		06/18/14
Field Ground Water Elevation	78.2	ft	1.00	-10.0	-10.0	10253486	FT1000		06/12/14
Field pH (units)	4.54	pH	1.00	0.0100	0.0200	10253486	FT1100	C006	06/12/14
Field Conductivity	201	umhos/cm	1.00	0.100	0.100	10253486	FT1200		06/12/14
Field Temp. (C)	23.6	oC	1.00	0.100	0.100	10253486	FT1400		06/12/14
Field Turbidity	0.750	NTU	1.00	0.100	0.100	10253486	FT1600		06/12/14



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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Cyanide	0.00500 U	mg/L	1.00	0.00500	0.0100	10253516	SM4500CN-E	57-12-5	06/19/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253544	EPA8011	106-93-4	06/19/14
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253544	EPA8011	96-12-8	06/19/14
2,4,5-Trichlorophenol	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	95-95-4	06/23/14
2,4,6-Trichlorophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	88-06-2	06/23/14
2,4-Dichlorophenol	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	120-83-2	06/23/14
2,4-Dimethylphenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	105-67-9	06/23/14
2,4-Dinitrophenol	5.00 U	ug/L	1.00	5.00	10.0	10253717	EPA8270	51-28-5	06/23/14
2,4-Dinitrotoluene	0.200 U	ug/L	1.00	0.200	0.200	10253717	EPA8270	121-14-2	06/23/14
2,6-Dinitrotoluene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	606-20-2	06/23/14
2-Chloronaphthalene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	91-58-7	06/23/14
2-Nitrophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	88-75-5	06/23/14
2-chlorophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	95-57-8	06/23/14
2-methyl-4,6-dinitrophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	534-52-1	06/23/14
2-methyl-Naphthalene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	91-57-6	06/23/14
3,3'-Dichlorobenzidine	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	91-94-1	06/23/14
4-Bromophenylphenyl ether	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	101-55-3	06/23/14
4-Chlorophenylphenyl ether	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	7005-72-3	06/23/14
4-Nitrophenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	100-02-7	06/23/14
Acenaphthene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	83-32-9	06/23/14
Acenaphthylene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	208-96-8	06/23/14
Anthracene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	120-12-7	06/23/14
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10253717	EPA8270	56-55-3	06/23/14
Benzo(a)pyrene	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	50-32-8	06/23/14
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.100	10253717	EPA8270	205-99-2	06/23/14
Benzo(g,h,i)perylene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	191-24-2	06/23/14
Benzo(k)fluoranthene	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	207-08-9	06/23/14
Bis(2-chloroethoxy)methane	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	111-91-1	06/23/14



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Bis(2-chloroethyl)ether	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	111-44-4	06/23/14
Bis(2-ethylhexyl)phthalate	8.30	ug/L	1.00	3.00	6.00	10253717	EPA8270	117-81-7	06/23/14
Butyl benzyl phthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	85-68-7	06/23/14
Chrysene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	218-01-9	06/23/14
Di-n-butylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	84-74-2	06/23/14
Di-n-octylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	117-84-0	06/23/14
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.200	10253717	EPA8270	53-70-3	06/23/14
Diethylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	84-66-2	06/23/14
Dimethylphthalate	3.00 U	ug/L	1.00	3.00	6.00	10253717	EPA8270	131-11-3	06/23/14
Fluoranthene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	206-44-0	06/23/14
Fluorene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	86-73-7	06/23/14
Hexachlorobenzene	1.00 U	ug/L	1.00	1.00	4.00	10253717	EPA8270	118-74-1	06/23/14
Hexachlorobutadiene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	87-68-3	06/23/14
Hexachlorocyclopentadiene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	77-47-4	06/23/14
Hexachloroethane	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	67-72-1	06/23/14
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.200	10253717	EPA8270	193-39-5	06/23/14
Isophorone	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	78-59-1	06/23/14
N-Nitrosodi-n-propylamine	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	621-64-7	06/23/14
N-Nitrosodimethylamine	3.00 U	ug/L	1.00	3.00	12.0	10253717	EPA8270	62-75-9	06/23/14
N-Nitrosodiphenylamine	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	86-30-6	06/23/14
Naphthalene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	91-20-3	06/23/14
Nitrobenzene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	98-95-3	06/23/14
Pentachlorophenol	0.400 U	ug/L	1.00	0.400	0.800	10253717	EPA8270	87-86-5	06/23/14
Phenanthrene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	85-01-8	06/23/14
Phenol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	108-95-2	06/23/14
Pyrene	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	129-00-0	06/23/14
m-Cresol	10.0 U	ug/L	1.00	10.0	20.0	10253717	EPA8270	108-39-4	06/23/14
o-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	95-48-7	06/23/14
p-Chloro-m-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	59-50-7	06/23/14



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Lab #: 238457GW2 Sampled: 06/12/14 09:22 AM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
p-Cresol	2.00 U	ug/L	1.00	2.00	4.00	10253717	EPA8270	106-44-5	06/23/14
Surr:2,4,6-Tribromophenol (25-125%)	85.08%		1.00	1.00	1.00	10253717	EPA8270	118-79-6	06/23/14
Surr:2-Fluorobiphenyl (25-125%)	62.98%		1.00	1.00	1.00	10253717	EPA8270	321-60-8	06/23/14
Surr:2-Fluorophenol (20-120%)	49.20%		1.00	0.0100	0.0100	10253717	EPA8270		06/23/14
Surr:Nitrobenzene-d5 (50-125%)	69.34%		1.00	0.0100	0.0100	10253717	EPA8270		06/23/14
Surr:Phenol-d5 (10-110%)	28.42%		1.00	1.00	1.00	10253717	EPA8270		06/23/14
Surr:Terphenyl-d14 (35-125%)	57.20%		1.00	1.00	1.00	10253717	EPA8270		06/23/14
4,4'-DDD	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	72-54-8	06/23/14
4,4'-DDE	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	72-55-9	06/23/14
4,4'-DDT	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	50-29-3	06/23/14
Aldrin	0.0200 U	ug/L	1.00	0.0200	0.0200	10253718	EPA8081	309-00-2	06/23/14
Chlordane	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	57-74-9	06/23/14
Dieldrin	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	60-57-1	06/23/14
Endosulfan_I	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	959-98-8	06/23/14
Endosulfan_II	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	33213-65-9	06/23/14
Endosulfan_sulfate	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	1031-07-8	06/23/14
Endrin	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	72-20-8	06/23/14
Endrin_Aldehyde	0.0200 U	ug/L	1.00	0.0200	0.0400	10253718	EPA8081	7421-93-4	06/23/14
Heptachlor	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	76-44-8	06/23/14
Heptachlor epoxide	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	1024-57-3	06/23/14
Lindane (g-BHC)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	58-89-9	06/23/14
Methoxychlor	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	72-43-5	06/23/14
Toxaphene	0.500 U	ug/L	1.00	0.500	1.00	10253718	EPA8081	8001-35-2	06/23/14
a-BHC	0.0200 U	ug/L	1.00	0.0200	0.0200	10253718	EPA8081	319-84-6	06/23/14
b-BHC	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	319-85-7	06/23/14
d-BHC	0.0100 U	ug/L	1.00	0.0100	0.0200	10253718	EPA8081	319-86-8	06/23/14
Surr:Decachlorobiphenyl (26-128%)	34.47%		1.00	0.000100	0.000200	10253718	EPA8081		06/23/14
1,2,4,5-Tetrachlorobenzene	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	95-94-3	06/23/14
1,4-Naphthoquinone	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	130-15-4	06/23/14



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Lab #: 238457GW2 Sampled: 06/12/14 09:22 AM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1-Napthalamine	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	134-32-7	06/23/14
2,3,4,6-Tetrachlorophenol	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	58-90-2	06/23/14
2,6-Dichlorophenol	1.00 U	ug/L	1.00	1.00	4.00	10253719	EPA8270	87-65-0	06/23/14
2-Acetylaminofluorene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	53-96-3	06/23/14
2-Naphthylamine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	91-59-8	06/23/14
3,3'-Dimethylbenzidine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	119-93-7	06/23/14
3-Methylcholanthrene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	56-49-5	06/23/14
4-Aminobiphenyl	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	92-67-1	06/23/14
5-Nitro-o-toluidine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	99-55-8	06/23/14
7,12-Dimethylbenz(a)anthracene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	57-97-6	06/23/14
Acetophenone	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	98-86-2	06/23/14
Benzyl alcohol	5.00 U	ug/L	1.00	5.00	10.0	10253719	EPA8270	100-51-6	06/23/14
Chlorobenzilate	0.800 U	ug/L	1.00	0.800	1.60	10253719	EPA8270	510-15-6	06/23/14
Diallate	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	2303-16-4	06/23/14
Dibenzofuran	5.00 U	ug/L	1.00	5.00	10.0	10253719	EPA8270	132-64-9	06/23/14
Dimethoate	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	60-51-5	06/23/14
Diphenylamine	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	122-39-4	06/23/14
Ethyl methanesulfonate	20.0 U	ug/L	1.00	20.0	40.0	10253719	EPA8270	62-50-0	06/23/14
Famphur	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	52-85-7	06/23/14
Hexachloropropene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	1888-71-7	06/23/14
Isodrin	20.0 U	ug/L	1.00	20.0	40.0	10253719	EPA8270	465-73-6	06/23/14
Isosafrole	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	120-58-1	06/23/14
Kepone	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	143-50-0	06/23/14
Methapyrilene	20.0 U	ug/L	1.00	20.0	40.0	10253719	EPA8270	91-80-5	06/23/14
Methyl methanesulfonate	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	66-27-3	06/23/14
N-Nitroso di-n-butylamine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	924-16-3	06/23/14
N-Nitrosodiethylamine	3.00 U	ug/L	1.00	3.00	12.0	10253719	EPA8270	55-18-5	06/23/14
N-Nitrosomethylethylamine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	10595-95-6	06/23/14
N-Nitrosopiperidine	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	100-75-4	06/23/14



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N-Nitrosopyrrolidine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	930-55-2	06/23/14
O,O,O-Triethylphosphorothioate	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	126-68-1	06/23/14
O,O-diethyl-O,2-pyrazinylphosphorothioate	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	297-97-2	06/23/14
Pentachlorobenzene	0.300 U	ug/L	1.00	0.300	0.600	10253719	EPA8270	608-93-5	06/23/14
Pentachloronitrobenzene	0.300 U	ug/L	1.00	0.300	0.600	10253719	EPA8270	82-68-8	06/23/14
Phenacetin	20.0 U	ug/L	1.00	20.0	40.0	10253719	EPA8270	62-44-2	06/23/14
Pronamide	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	23950-58-5	06/23/14
Saffrole	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	94-59-7	06/23/14
Trinitrobenzene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	99-35-4	06/23/14
m-Dinitrobenzene	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	99-65-0	06/23/14
m-nitroaniline	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	99-09-2	06/23/14
o-Toluidine	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	95-53-4	06/23/14
o-nitroaniline	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	88-74-4	06/23/14
p-(Dimethylamino)azobenzene	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	60-11-7	06/23/14
p-Chloroaniline	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	106-47-8	06/23/14
p-Phenylenediamine	10.0 U	ug/L	1.00	10.0	20.0	10253719	EPA8270	106-50-3	06/23/14
p-nitroaniline	2.00 U	ug/L	1.00	2.00	4.00	10253719	EPA8270	100-01-6	06/23/14
Arochlor 1016	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	12674-11-2	06/23/14
Arochlor 1221	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	11104-28-2	06/23/14
Arochlor 1232	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	11141-16-5	06/23/14
Arochlor 1242	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	53469-21-9	06/23/14
Arochlor 1248	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	12672-29-6	06/23/14
Arochlor 1254	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	11097-69-1	06/23/14
Arochlor 1260	0.100 U	ug/L	1.00	0.100	0.200	10253797	EPA8082	11096-82-5	06/23/14
Disulfoton	0.300 U	ug/L	1.00	0.300	2.00	10253823	EPA8141	298-04-4	04/08/14
Ethyl Parathion	0.500 U	ug/L	1.00	0.500	1.00	10253823	EPA8141	56382	04/08/14
Methyl Parathion	0.500 U	ug/L	1.00	0.500	1.00	10253823	EPA8141	298-00-0	04/08/14
Phorate	1.00 U	ug/L	1.00	1.00	2.00	10253823	EPA8141	298-02-2	04/08/14
Surr:CI-NBTF (69-129%)	41.65%		1.00	1.00	2.00	10253823	EPA8141		04/08/14



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TDS	154	mg/L	1.00	2.50	5.00	10253924	SM2540 C	10-33-3	06/13/14
Chlor_Pest_Extraction	1000	mL	1.00			10253963	X8081		06/17/14
Acid Base Extraction	1000	mL	1.00			10253965	X8270		06/17/14
PCB_Extraction	1000	mL	1.00			10253966	XPCB		06/17/14



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Quality Report

Quality Control Batch: 10197567

Analyst: MAC

Blank
Chloride

Result
4.00U
Units
mg/L

Laboratory Control Sample
Chloride

Result
49.5
Units
mg/L
Spike
50.0
%REC
99.04
%REC Lim
90.00-110.00

Matrix Spike
Chloride

Result
71.3
Units
mg/L
Spike
50.0
%REC
107.02
%REC Lim
80.00-120.00
Sample
17.8

Matrix Spike Duplicate
Chloride

Result
70.9
Units
mg/L
Spike
50.0
%REC
106.23
%REC Lim
80.00-120.00
Sample
17.8
RPD
0.55
RPD Lim
20.00

Quality Control Batch: 10252895

Analyst: PCW

Blank
Nitrate(as N)

Result
0.0100U
Units
mg/L

Laboratory Control Sample
Nitrate(as N)

Result
2.06
Units
mg/L
Spike
2.00
%REC
103.00
%REC Lim
90.00-110.00

Matrix Spike
Nitrate(as N)

Result
4.74
Units
mg/L
Spike
4.00
%REC
96.72
%REC Lim
80.00-120.00
Sample
0.871

Matrix Spike Duplicate
Nitrate(as N)

Result
4.70
Units
mg/L
Spike
4.00
%REC
95.72
%REC Lim
80.00-120.00
Sample
0.871
RPD
0.85
RPD Lim
20.00



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Quality Control Batch: 10253192**Analyst: EVB****Blank**

	Result	Units
Iron	0.0124	mg/L
Sodium	0.500U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Iron	5.19	mg/L	5.00	103.78	81.21-113.54
Sodium	5.05	mg/L	5.00	100.99	78.62-112.15

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Iron	5.51	mg/L	5.00	99.09	57.02-147.60	0.553
Sodium	33.8	mg/L	5.00	95.39	37.63-161.64	29.0

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Iron	5.69	mg/L	5.00	102.75	57.02-147.60	0.553	3.27	19.53
Sodium	35.2	mg/L	5.00	124.33	37.63-161.64	29.0	4.19	19.20

Quality Control Batch: 10253239**Analyst: EVB****Blank**

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



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Quality Control Batch: 10253239

Blank	Result	Units
Thallium	0.00100U	mg/L
Tin	0.00500U	mg/L
Vanadium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Antimony	0.101	mg/L	0.100	100.97	76.70-120.39
Arsenic	0.102	mg/L	0.100	101.60	81.09-119.32
Barium	0.0934	mg/L	0.100	93.42	84.59-125.11
Beryllium	0.109	mg/L	0.100	109.42	85.69-132.22
Cadmium	0.0996	mg/L	0.100	99.61	84.66-121.81
Chromium	0.106	mg/L	0.100	106.29	87.00-122.96
Cobalt	0.102	mg/L	0.100	101.77	78.66-126.98
Copper	0.106	mg/L	0.100	106.46	84.08-122.69
Lead	0.108	mg/L	0.100	108.43	86.91-124.18
Nickel	0.105	mg/L	0.100	105.03	77.31-126.31
Selenium	0.104	mg/L	0.100	103.51	75.98-121.42
Silver	0.107	mg/L	0.100	107.25	79.76-119.92
Thallium	0.104	mg/L	0.100	103.83	80.95-125.84
Tin	0.0960	mg/L	0.100	96.04	74.22-128.88
Vanadium	0.103	mg/L	0.100	103.08	78.51-125.51
Zinc	0.104	mg/L	0.100	104.16	79.82-122.80

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.0920	mg/L	0.100	91.99	73.48-142.27	0.00200U
Arsenic	0.0887	mg/L	0.100	88.68	73.05-140.45	0.00100U
Barium	0.116	mg/L	0.100	88.23	70.68-156.87	0.0279
Beryllium	0.0724	mg/L	0.100	72.45	89.27-154.67	0.000500U
Cadmium	0.0844	mg/L	0.100	84.41	76.87-137.80	0.00100U



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253239

Analyst: EVB

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Chromium	0.114	mg/L	0.100	113.61	67.91-144.29	0.00100U
Cobalt	0.107	mg/L	0.100	106.67	68.92-150.01	0.00100U
Copper	0.0960	mg/L	0.100	96.01	57.64-148.77	0.00100U
Lead	0.0932	mg/L	0.100	93.20	69.09-150.83	0.00100U
Nickel	0.104	mg/L	0.100	103.96	58.01-145.27	0.00100U
Selenium	0.0754	mg/L	0.100	75.41	63.72-144.34	0.00200U
Silver	0.0821	mg/L	0.100	82.08	48.94-146.79	0.000500U
Thallium	0.0928	mg/L	0.100	92.78	68.93-151.79	0.00100U
Tin	0.0994	mg/L	0.100	99.37	70.18-138.70	0.00500U
Vanadium	0.117	mg/L	0.100	116.54	72.08-149.74	0.00100U
Zinc	0.159	mg/L	0.100	80.48	51.79-149.89	0.0781

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.0908	mg/L	0.100	90.79	73.48-142.27	0.00200U	1.31	23.91
Arsenic	0.0881	mg/L	0.100	88.07	73.05-140.45	0.00100U	0.70	26.42
Barium	0.111	mg/L	0.100	83.01	70.68-156.87	0.0279	4.60	20.91
Beryllium	0.0710	mg/L	0.100	71.03	89.27-154.67	0.000500U	1.98	22.45
Cadmium	0.0831	mg/L	0.100	83.06	76.87-137.80	0.00100U	1.62	24.42
Chromium	0.117	mg/L	0.100	117.41	67.91-144.29	0.00100U	3.29	26.93
Cobalt	0.110	mg/L	0.100	109.74	68.92-150.01	0.00100U	2.84	20.94
Copper	0.0994	mg/L	0.100	99.43	57.64-148.77	0.00100U	3.50	26.04
Lead	0.0911	mg/L	0.100	91.12	69.09-150.83	0.00100U	2.25	26.35
Nickel	0.107	mg/L	0.100	106.67	58.01-145.27	0.00100U	2.58	25.87
Selenium	0.0727	mg/L	0.100	72.71	63.72-144.34	0.00200U	3.65	23.19
Silver	0.0888	mg/L	0.100	88.85	48.94-146.79	0.000500U	7.92	25.78
Thallium	0.0912	mg/L	0.100	91.22	68.93-151.79	0.00100U	1.70	22.45
Tin	0.0976	mg/L	0.100	97.58	70.18-138.70	0.00500U	1.81	23.15
Vanadium	0.121	mg/L	0.100	120.78	72.08-149.74	0.00100U	3.57	21.04
Zinc	0.165	mg/L	0.100	87.01	51.79-149.89	0.0781	4.04	25.51



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253253

Analyst: PCW

Blank

Ammonia (as N)

Result	Units
0.0100U	mg/L

Laboratory Control Sample

Ammonia (as N)

Result	Units	Spike	%REC	%REC Lim
0.477	mg/L	0.500	95.40	80.72-118.76

Matrix Spike

Ammonia (as N)

Result	Units	Spike	%REC	%REC Lim	Sample
23.8	mg/L	0.780	51.28	54.58-133.65	23.4

Matrix Spike Duplicate

Ammonia (as N)

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
23.6	mg/L	0.780	25.64	54.58-133.65	23.4	0.84	13.84

Quality Control Batch: 10253287

Analyst: EVB

Blank

Mercury

Result	Units
0.0000200U	mg/L

Laboratory Control Sample

Mercury

Result	Units	Spike	%REC	%REC Lim
0.000996	mg/L	0.00100	99.59	90.27-115.31

Matrix Spike

Mercury

Result	Units	Spike	%REC	%REC Lim	Sample
0.00304	mg/L	0.00300	101.23	81.00-122.08	0.0000200U

Matrix Spike Duplicate

Mercury

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
0.00301	mg/L	0.00300	100.33	81.00-122.08	0.0000200U	0.89	8.88

Quality Control Batch: 10253410

Analyst: DLJ

Blank

Dinoseb

Result	Units
0.250U	ug/L

2,4,5-T

0.250U	ug/L
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2,4,5-TP (Silvex)

0.250U	ug/L
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Quality Control Batch: 10253410**Analyst: DLJ**

Blank	Result	Units
2,4-D	0.250U	ug/L
Surr:DCAA	13.9	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Dinoseb	2.35	ug/L	2.50	94.15	5.11-142.66
2,4,5-T	3.09	ug/L	2.50	123.66	34.56-147.46
2,4,5-TP (Silvex)	2.58	ug/L	2.50	103.26	37.29-145.64
2,4-D	2.81	ug/L	2.50	112.30	31.42-153.84
Surr:DCAA	14.2	ug/L	12.5	113.58	38.28-150.04

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Dinoseb	3.09	ug/L	2.50	123.73	80.00-120.00	0.250U
2,4,5-T	2.92	ug/L	2.50	116.70	80.00-120.00	0.250U
2,4,5-TP (Silvex)	3.10	ug/L	2.50	124.06	80.00-120.00	0.250U
2,4-D	3.48	ug/L	2.50	139.35	80.00-120.00	0.250U
Surr:DCAA	16.0	ug/L	12.5	127.73	80.00-120.00	

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Dinoseb	3.57	ug/L	2.50	142.92	80.00-120.00	0.250U	14.39	2.76
2,4,5-T	2.82	ug/L	2.50	112.73	80.00-120.00	0.250U	3.46	1.49
2,4,5-TP (Silvex)	2.86	ug/L	2.50	114.54	80.00-120.00	0.250U	7.98	2.77
2,4-D	3.49	ug/L	2.50	139.62	80.00-120.00	0.250U	0.20	13.56
Surr:DCAA	10.3	ug/L	12.5	82.02	80.00-120.00		43.58	10.31

Quality Control Batch: 10253452**Analyst: CLS**

Blank	Result	Units
Acetone	5.00U	ug/L
Acetonitrile	1.00U	ug/L



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Quality Control Batch: 10253452

Analyst: CLS

Blank	Result	Units
Acrolein	3.50U	ug/L
Acrylonitrile	0.300U	ug/L
Allyl Chloride	1.00U	ug/L
Benzene	0.500U	ug/L
Bromochloromethane	0.100U	ug/L
Bromodichloromethane	0.100U	ug/L
Bromoform	0.500U	ug/L
Bromomethane	0.500U	ug/L
Carbon Disulfide	1.00U	ug/L
Carbon Tetrachloride	0.500U	ug/L
Chlorobenzene	0.500U	ug/L
Chloroethane	0.500U	ug/L
Chloroform	0.500U	ug/L
Chloromethane	0.500U	ug/L
Chloroprene	5.00U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
Dibromochloromethane	0.400U	ug/L
Dibromomethane	0.500U	ug/L
Dichlorodifluoromethane	0.500U	ug/L
Ethyl methacrylate	0.500U	ug/L
Ethylbenzene	0.500U	ug/L
Iso-butyl Alcohol	1.00U	ug/L
Methacrylonitrile	0.500U	ug/L
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



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Quality Control Batch: 10253452

Analyst: CLS

Blank	Result	Units
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	10.0U	ug/L
Vinyl chloride	0.500U	ug/L
Xylenes	1.00U	ug/L
1,1,1,2-Tetrachloroethane	0.500U	ug/L
1,1,1-Trichloroethane	0.500U	ug/L
1,1,2,2-Tetrachloroethane	0.100U	ug/L
1,1,2-Trichloroethane	0.500U	ug/L
1,1-Dichloroethane	0.500U	ug/L
1,1-Dichloroethene	0.500U	ug/L
1,1-Dichloropropene	0.200U	ug/L
1,2,4-trichlorobenzene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
1,3-Dichloropropane	0.300U	ug/L
2,2-Dichloropropane	0.500U	ug/L
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	31.5	ug/L



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Analyst: CLS

Blank	Result	Units
Surr:Toluene-d8	29.1	ug/L
Surr:1,2-Dichloroethane-d4	28.1	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acetone	11.5	ug/L	10.0	115.40	38.88-162.52
Acrylonitrile	10.7	ug/L	10.0	107.20	40.32-146.67
Allyl Chloride	10.5	ug/L	10.0	105.30	80.00-120.00
Benzene	11.3	ug/L	10.0	112.60	69.86-134.08
Bromochloromethane	11.6	ug/L	10.0	115.80	73.37-125.03
Bromodichloromethane	10.8	ug/L	10.0	107.80	73.69-129.06
Bromoform	10.6	ug/L	10.0	106.00	66.50-120.60
Bromomethane	11.6	ug/L	10.0	115.50	52.06-149.03
Carbon Disulfide	12.1	ug/L	10.0	121.10	72.42-160.65
Carbon Tetrachloride	10.5	ug/L	10.0	104.80	69.24-130.87
Chlorobenzene	11.5	ug/L	10.0	114.80	76.12-122.63
Chloroethane	10.9	ug/L	10.0	108.80	54.48-148.84
Chloroform	11.2	ug/L	10.0	111.90	70.86-132.14
Chloromethane	11.3	ug/L	10.0	112.60	53.66-151.98
cis-1,2-dichloroethene	11.4	ug/L	10.0	114.00	72.17-127.13
cis-1,3-Dichloropropene	11.0	ug/L	10.0	110.20	72.26-128.63
Dibromochloromethane	11.2	ug/L	10.0	112.00	72.48-118.93
Dibromomethane	11.1	ug/L	10.0	110.60	76.53-123.91
Dichlorodifluoromethane	9.75	ug/L	10.0	97.50	32.37-167.41
Ethyl methacrylate	9.96	ug/L	10.0	99.60	80.00-120.00
Ethylbenzene	11.2	ug/L	10.0	111.50	70.56-124.95
Methacrylonitrile	9.77	ug/L	10.0	97.70	80.00-120.00
Methyl Iodide	12.3	ug/L	10.0	122.80	55.71-163.66
Methyl isobutyl ketone	9.82	ug/L	10.0	98.20	50.12-132.13
Methyl Methacrylate	10.3	ug/L	10.0	103.10	80.00-120.00



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Quality Control Batch: 10253452

Analyst: CLS

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Methylene chloride	12.6	ug/L	10.0	126.10	40.69-151.61
m-dichlorobenzene	10.8	ug/L	10.0	108.40	58.21-134.14
o-dichlorobenzene	10.8	ug/L	10.0	108.40	59.80-127.24
Para-dichlorobenzene	10.9	ug/L	10.0	108.50	59.80-127.16
Styrene	10.7	ug/L	10.0	107.00	64.43-121.79
Tetrachloroethene	12.6	ug/L	10.0	126.10	49.80-173.40
Toluene	11.4	ug/L	10.0	113.50	75.34-126.10
trans-1,2-dichloroethene	10.7	ug/L	10.0	107.30	69.34-133.94
trans-1,3,-Dichloropropene	11.3	ug/L	10.0	113.40	69.36-124.24
Trichloroethene	10.9	ug/L	10.0	108.80	70.68-139.87
Trichlorofluoromethane	9.50	ug/L	10.0	95.00	44.99-156.60
Vinyl chloride	9.50	ug/L	10.0	95.00	56.53-148.31
Xylenes	32.8	ug/L	30.0	109.33	70.92-123.99
1,1,1,2-Tetrachloroethane	10.8	ug/L	10.0	108.00	72.36-126.72
1,1,1-Trichloroethane	10.9	ug/L	10.0	108.90	72.34-131.71
1,1,2,2-Tetrachloroethane	11.6	ug/L	10.0	115.90	73.03-130.21
1,1,2-Trichloroethane	10.3	ug/L	10.0	102.50	78.01-120.70
1,1-Dichloroethane	11.3	ug/L	10.0	112.60	68.89-133.90
1,1-Dichloroethene	11.2	ug/L	10.0	111.60	57.83-149.70
1,1-Dichloropropene	10.2	ug/L	10.0	102.10	71.70-133.07
1,2,4-trichlorobenzene	10.8	ug/L	10.0	108.40	17.21-148.33
1,2-dichloroethane	11.1	ug/L	10.0	110.50	71.63-130.49
1,2-dichloropropane	10.9	ug/L	10.0	108.70	72.07-128.11
1,3-Dichloropropane	11.0	ug/L	10.0	109.80	70.02-130.05
2,2-Dichloropropane	10.8	ug/L	10.0	107.90	65.33-147.06
2-Butanone (MEK)	7.05	ug/L	10.0	70.50	59.03-164.47
2-Hexanone	9.60	ug/L	10.0	96.00	60.06-141.22
Surr:Bromofluorobenzene	30.3	ug/L	30.0	100.97	70.00-122.32
Surr:Toluene-d8	29.6	ug/L	30.0	98.80	80.00-120.00



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Quality Control Batch: 10253452

Analyst: CLS

Laboratory Control Sample

Surr:1,2-Dichloroethane-d4

Result	Units	Spike	%REC	%REC Lim
29.0	ug/L	30.0	96.73	77.68-129.99

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	9.15	ug/L	20.0	45.75	46.01-156.32	5.00U
Acrylonitrile	19.0	ug/L	20.0	95.05	43.40-147.39	0.300U
Allyl Chloride	19.8	ug/L	20.0	98.75	80.00-120.00	1.00U
Benzene	21.2	ug/L	20.0	106.10	74.48-134.24	0.500U
Bromochloromethane	20.7	ug/L	20.0	103.45	73.98-126.75	0.100U
Bromodichloromethane	21.0	ug/L	20.0	105.10	74.51-131.60	0.100U
Bromoform	20.9	ug/L	20.0	104.35	65.77-126.66	0.500U
Bromomethane	18.8	ug/L	20.0	93.90	45.79-154.07	0.500U
Carbon Tetrachloride	22.1	ug/L	20.0	110.55	69.71-134.11	0.500U
Chlorobenzene	20.7	ug/L	20.0	103.40	78.18-124.63	0.500U
Chloroethane	21.6	ug/L	20.0	107.85	57.96-148.61	0.500U
Chloroform	20.9	ug/L	20.0	104.60	67.52-139.02	0.500U
Chloromethane	19.9	ug/L	20.0	99.50	51.30-156.78	0.500U
cis-1,2-dichloroethene	21.2	ug/L	20.0	106.00	76.64-126.84	0.200U
cis-1,3-Dichloropropene	20.9	ug/L	20.0	104.30	67.26-137.96	0.500U
Dibromochloromethane	21.3	ug/L	20.0	106.50	73.00-123.23	0.400U
Dibromomethane	20.2	ug/L	20.0	101.20	73.11-128.50	0.500U
Dichlorodifluoromethane	19.2	ug/L	20.0	95.90	31.11-164.64	0.500U
Ethyl methacrylate	19.9	ug/L	20.0	99.25	80.00-120.00	0.500U
Ethylbenzene	21.4	ug/L	20.0	107.05	73.91-128.64	0.500U
Methacrylonitrile	19.1	ug/L	20.0	95.65	80.00-120.00	0.500U
Methyl Iodide	37.7	ug/L	20.0	188.40	54.23-165.25	1.00U
Methyl isobutyl ketone	18.6	ug/L	20.0	92.85	57.64-133.07	1.00U
Methyl Methacrylate	19.0	ug/L	20.0	95.20	80.00-120.00	2.00U
Methylene chloride	19.7	ug/L	20.0	98.30	50.29-142.90	1.00U
m-dichlorobenzene	20.2	ug/L	20.0	100.75	69.74-129.80	0.500U



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Atkins-Tampa
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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253452

Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
o-dichlorobenzene	20.3	ug/L	20.0	101.60	71.04-127.37	0.500U
Para-dichlorobenzene	19.8	ug/L	20.0	98.75	70.44-126.55	0.500U
Styrene	20.4	ug/L	20.0	101.90	68.01-124.71	0.500U
Tetrachloroethene	18.7	ug/L	20.0	93.25	49.77-180.05	0.500U
Toluene	21.7	ug/L	20.0	108.50	77.67-128.73	0.500U
trans-1,2-dichloroethene	22.3	ug/L	20.0	111.30	71.14-135.42	0.500U
trans-1,3,-Dichloropropene	21.1	ug/L	20.0	105.50	68.77-131.64	0.500U
Trichloroethene	20.2	ug/L	20.0	101.10	77.68-135.38	0.500U
Trichlorofluoromethane	19.0	ug/L	20.0	94.80	48.94-159.62	0.500U
Vinyl chloride	18.7	ug/L	20.0	93.35	56.51-147.62	0.500U
Xylenes	62.4	ug/L	60.0	103.98	74.03-127.32	1.00U
1,1,1,2-Tetrachloroethane	20.8	ug/L	20.0	103.80	74.08-128.41	0.500U
1,1,1-Trichloroethane	21.8	ug/L	20.0	109.10	74.12-134.44	0.500U
1,1,2,2-Tetrachloroethane	21.5	ug/L	20.0	107.40	70.96-136.31	0.100U
1,1,2-Trichloroethane	19.4	ug/L	20.0	96.75	78.08-124.41	0.500U
1,1-Dichloroethane	21.6	ug/L	20.0	107.95	72.78-134.55	0.500U
1,1-Dichloroethene	22.6	ug/L	20.0	112.85	58.40-151.32	0.500U
1,1-Dichloropropene	20.4	ug/L	20.0	102.10	73.25-137.34	0.200U
1,2,4-trichlorobenzene	18.7	ug/L	20.0	93.65	22.90-145.92	0.500U
1,2-dichloroethane	20.5	ug/L	20.0	102.60	71.53-134.48	0.500U
1,2-dichloropropane	20.2	ug/L	20.0	101.15	74.50-129.66	0.200U
1,3-Dichloropropane	20.6	ug/L	20.0	103.00	72.32-131.54	0.300U
2,2-Dichloropropane	21.4	ug/L	20.0	107.05	61.83-150.70	0.500U
2-Butanone (MEK)	8.52	ug/L	20.0	42.60	64.53-153.74	0.500U
2-Hexanone	12.1	ug/L	20.0	60.30	62.58-147.29	0.500U
Surr:Bromofluorobenzene	30.1	ug/L	30.0	100.47	53.82-151.16	
Surr:Toluene-d8	29.5	ug/L	30.0	98.27	88.05-109.81	
Surr:1,2-Dichloroethane-d4	28.8	ug/L	30.0	95.97	75.07-126.19	



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Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	10.9	ug/L	20.0	54.35	46.01-156.32	5.00U	17.18	38.47
Acrylonitrile	20.1	ug/L	20.0	100.70	43.40-147.39	0.300U	5.77	24.85
Allyl Chloride	21.7	ug/L	20.0	108.25	80.00-120.00	1.00U	9.18	15.00
Benzene	22.9	ug/L	20.0	114.55	74.48-134.24	0.500U	7.66	18.98
Bromochloromethane	22.7	ug/L	20.0	113.40	73.98-126.75	0.100U	9.18	15.45
Bromodichloromethane	22.2	ug/L	20.0	111.05	74.51-131.60	0.100U	5.51	14.47
Bromoform	21.4	ug/L	20.0	107.20	65.77-126.66	0.500U	2.69	18.89
Bromomethane	21.4	ug/L	20.0	106.85	45.79-154.07	0.500U	12.90	22.97
Carbon Tetrachloride	24.0	ug/L	20.0	119.90	69.71-134.11	0.500U	8.11	18.68
Chlorobenzene	22.3	ug/L	20.0	111.40	78.18-124.63	0.500U	7.45	17.54
Chloroethane	23.1	ug/L	20.0	115.60	57.96-148.61	0.500U	6.94	24.25
Chloroform	22.2	ug/L	20.0	111.20	67.52-139.02	0.500U	6.12	17.36
Chloromethane	20.9	ug/L	20.0	104.65	51.30-156.78	0.500U	5.05	24.58
cis-1,2-dichloroethene	22.6	ug/L	20.0	113.20	76.64-126.84	0.200U	6.57	19.01
cis-1,3-Dichloropropene	22.1	ug/L	20.0	110.45	67.26-137.96	0.500U	5.73	17.79
Dibromochloromethane	22.6	ug/L	20.0	113.20	73.00-123.23	0.400U	6.10	17.16
Dibromomethane	21.6	ug/L	20.0	108.15	73.11-128.50	0.500U	6.64	14.33
Dichlorodifluoromethane	21.0	ug/L	20.0	105.15	31.11-164.64	0.500U	9.20	25.30
Ethyl methacrylate	20.9	ug/L	20.0	104.70	80.00-120.00	0.500U	5.34	15.00
Ethylbenzene	22.9	ug/L	20.0	114.45	73.91-128.64	0.500U	6.68	17.78
Methacrylonitrile	19.8	ug/L	20.0	98.90	80.00-120.00	0.500U	3.34	15.00
Methyl Iodide	49.5	ug/L	20.0	247.40	54.23-165.25	1.00U	27.08	24.15
Methyl isobutyl ketone	19.2	ug/L	20.0	95.75	57.64-133.07	1.00U	3.08	23.20
Methyl Methacrylate	20.4	ug/L	20.0	102.10	80.00-120.00	2.00U	6.99	15.00
Methylene chloride	21.2	ug/L	20.0	106.15	50.29-142.90	1.00U	7.68	22.29
m-dichlorobenzene	21.5	ug/L	20.0	107.40	69.74-129.80	0.500U	6.39	21.29
o-dichlorobenzene	20.8	ug/L	20.0	104.10	71.04-127.37	0.500U	2.43	17.00
Para-dichlorobenzene	21.0	ug/L	20.0	104.75	70.44-126.55	0.500U	5.90	14.84
Styrene	22.3	ug/L	20.0	111.40	68.01-124.71	0.500U	8.91	17.03
Tetrachloroethene	19.4	ug/L	20.0	97.05	49.77-180.05	0.500U	3.99	27.05



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Quality Control Batch: 10253452

Analyst: CLS

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Toluene	23.4	ug/L	20.0	116.85	77.67-128.73	0.500U	7.41	18.11
trans-1,2-dichloroethene	24.1	ug/L	20.0	120.65	71.14-135.42	0.500U	8.06	19.23
trans-1,3,-Dichloropropene	22.1	ug/L	20.0	110.70	68.77-131.64	0.500U	4.81	17.05
Trichloroethene	22.4	ug/L	20.0	111.85	77.68-135.38	0.500U	10.10	16.98
Trichlorofluoromethane	21.1	ug/L	20.0	105.50	48.94-159.62	0.500U	10.68	24.90
Vinyl chloride	20.5	ug/L	20.0	102.65	56.51-147.62	0.500U	9.49	21.53
Xylenes	66.8	ug/L	60.0	111.30	74.03-127.32	1.00U	6.80	18.64
1,1,1,2-Tetrachloroethane	22.1	ug/L	20.0	110.55	74.08-128.41	0.500U	6.30	18.35
1,1,1-Trichloroethane	23.6	ug/L	20.0	118.10	74.12-134.44	0.500U	7.92	19.03
1,1,2,2-Tetrachloroethane	22.3	ug/L	20.0	111.25	70.96-136.31	0.100U	3.52	18.50
1,1,2-Trichloroethane	20.6	ug/L	20.0	103.00	78.08-124.41	0.500U	6.26	15.94
1,1-Dichloroethane	23.2	ug/L	20.0	116.20	72.78-134.55	0.500U	7.36	16.44
1,1-Dichloroethene	24.3	ug/L	20.0	121.40	58.40-151.32	0.500U	7.30	23.15
1,1-Dichloropropene	21.9	ug/L	20.0	109.40	73.25-137.34	0.200U	6.90	22.56
1,2,4-trichlorobenzene	19.6	ug/L	20.0	97.80	22.90-145.92	0.500U	4.34	20.25
1,2-dichloroethane	21.9	ug/L	20.0	109.25	71.53-134.48	0.500U	6.28	15.32
1,2-dichloropropane	21.8	ug/L	20.0	108.95	74.50-129.66	0.200U	7.43	16.56
1,3-Dichloropropane	21.3	ug/L	20.0	106.30	72.32-131.54	0.300U	3.15	23.05
2,2-Dichloropropane	22.7	ug/L	20.0	113.65	61.83-150.70	0.500U	5.98	23.34
2-Butanone (MEK)	8.63	ug/L	20.0	43.15	64.53-153.74	0.500U	1.28	32.53
2-Hexanone	12.4	ug/L	20.0	62.00	62.58-147.29	0.500U	2.78	25.26
Surr:Bromofluorobenzene	30.3	ug/L	30.0	100.90	53.82-151.16		0.43	13.51
Surr:Toluene-d8	29.4	ug/L	30.0	97.93	88.05-109.81		0.34	7.44
Surr:1,2-Dichloroethane-d4	28.3	ug/L	30.0	94.23	75.07-126.19		1.82	8.75

Quality Control Batch: 10253516

Analyst: PCW

Blank	Result	Units
Cyanide	0.00500U	mg/L



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Quality Control Batch: 10253516

Analyst: PCW

Laboratory Control Sample

Cyanide

Result	Units	Spike	%REC	%REC Lim
0.0946	mg/L	0.100	94.60	46.95-133.05

Matrix Spike

Cyanide

Result	Units	Spike	%REC	%REC Lim	Sample
0.0762	mg/L	0.0800	95.96	49.05-125.20	-0.000567

Matrix Spike Duplicate

Cyanide

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
0.0761	mg/L	0.0800	95.83	49.05-125.20	-0.000567	0.13	23.62

Quality Control Batch: 10253544

Analyst: DLJ

Blank

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

Result	Units
0.0200U	ug/L
0.0100U	ug/L
0.0200U	ug/L

Laboratory Control Sample

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

Result	Units	Spike	%REC	%REC Lim
0.303	ug/L	0.250	121.17	80.00-120.00
0.298	ug/L	0.250	119.20	71.37-128.24
0.280	ug/L	0.250	111.91	56.44-144.91

Matrix Spike

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

Result	Units	Spike	%REC	%REC Lim	Sample
0.200	ug/L	0.250	80.00	80.00-120.00	0.0200U
0.238	ug/L	0.250	95.25	68.22-125.80	0.0100U
0.228	ug/L	0.250	91.27	60.03-124.62	0.0200U

Matrix Spike Duplicate

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

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
0.291	ug/L	0.250	116.49	80.00-120.00	0.0200U	37.14	20.00
0.304	ug/L	0.250	121.77	68.22-125.80	0.0100U	24.43	16.28
0.261	ug/L	0.250	104.28	60.03-124.62	0.0200U	13.30	10.23



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Quality Control Batch: 10253717

Analyst: CLS

Blank	Result	Units
Acenaphthene	2.00U	ug/L
Acenaphthylene	2.00U	ug/L
Anthracene	2.00U	ug/L
Benzo(a)anthracene	0.200U	ug/L
Benzo(a)pyrene	1.00U	ug/L
Benzo(b)fluoranthene	0.100U	ug/L
Benzo(g,h,i)perylene	2.00U	ug/L
Benzo(k)fluoranthene	1.00U	ug/L
Bis(2-chloroethoxy)methane	2.00U	ug/L
Bis(2-chloroethyl)ether	2.00U	ug/L
Bis(2-ethylhexyl)phthalate	3.00U	ug/L
Butyl benzyl phthalate	3.00U	ug/L
Chrysene	2.00U	ug/L
Dibenz(a,h)anthracene	0.200U	ug/L
Diethylphthalate	3.00U	ug/L
Dimethylphthalate	3.00U	ug/L
Di-n-butylphthalate	3.00U	ug/L
Di-n-octylphthalate	3.00U	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
Indeno(1,2,3-cd)pyrene	0.200U	ug/L
Isophorone	2.00U	ug/L
m-Cresol	10.0U	ug/L
Naphthalene	2.00U	ug/L
Nitrobenzene	2.00U	ug/L



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Blank	Result	Units
N-Nitrosodimethylamine	3.00U	ug/L
N-Nitrosodiphenylamine	2.00U	ug/L
N-Nitrosodi-n-propylamine	2.00U	ug/L
o-Cresol	2.00U	ug/L
Pentachlorophenol	0.400U	ug/L
Phenanthrene	2.00U	ug/L
Phenol	2.00U	ug/L
Pyrene	2.00U	ug/L
p-Chloro-m-Cresol	2.00U	ug/L
p-Cresol	2.00U	ug/L
2,4,5-Trichlorophenol	1.00U	ug/L
2,4,6-Trichlorophenol	2.00U	ug/L
2,4-Dichlorophenol	1.00U	ug/L
2,4-Dimethylphenol	2.00U	ug/L
2,4-Dinitrophenol	5.00U	ug/L
2,4-Dinitrotoluene	0.200U	ug/L
2,6-Dinitrotoluene	2.00U	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-Nitrophenol	2.00U	ug/L
3,3'-Dichlorobenzidine	2.00U	ug/L
4-Bromophenylphenyl ether	2.00U	ug/L
4-Chlorophenylphenyl ether	2.00U	ug/L
4-Nitrophenol	2.00U	ug/L
Surr:Nitrobenzene-d5	29.4	ug/L
Surr:Phenol-d5	25.7	ug/L
Surr:Terphenyl-d14	37.0	ug/L



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Blank	Result	Units
Surr:2,4,6-Tribromophenol	33.8	ug/L
Surr:2-Fluorobiphenyl	27.7	ug/L
Surr:2-Fluorophenol	27.2	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acenaphthene	13.4	ug/L	25.0	53.40	19.43-110.82
Acenaphthylene	11.9	ug/L	25.0	47.56	11.73-114.82
Anthracene	14.0	ug/L	25.0	56.12	35.89-115.69
Benzo(a)anthracene	13.8	ug/L	25.0	55.08	41.93-129.99
Benzo(a)pyrene	14.8	ug/L	25.0	59.36	39.40-119.98
Benzo(b)fluoranthene	13.8	ug/L	25.0	55.16	31.36-135.33
Benzo(g,h,i)perylene	17.0	ug/L	25.0	68.16	46.39-130.38
Benzo(k)fluoranthene	16.8	ug/L	25.0	67.16	33.95-145.70
Bis(2-chloroethoxy)methane	13.3	ug/L	25.0	53.08	20.91-104.32
Bis(2-chloroethyl)ether	13.3	ug/L	25.0	53.12	18.37-99.13
Bis(2-ethylhexyl)phthalate	37.1	ug/L	25.0	148.44	49.06-144.86
Butyl benzyl phthalate	18.7	ug/L	25.0	74.96	7.48-144.10
Chrysene	17.7	ug/L	25.0	70.80	46.72-134.45
Dibenz(a,h)anthracene	15.7	ug/L	25.0	62.60	37.64-133.88
Diethylphthalate	16.4	ug/L	25.0	65.52	18.85-127.83
Dimethylphthalate	15.5	ug/L	25.0	62.08	14.66-119.16
Di-n-butylphthalate	20.2	ug/L	25.0	80.92	11.05-132.80
Di-n-octylphthalate	18.3	ug/L	25.0	73.12	47.68-133.80
Fluoranthene	13.6	ug/L	25.0	54.52	24.34-134.54
Fluorene	13.5	ug/L	25.0	53.96	19.06-111.25
Hexachlorobenzene	16.0	ug/L	25.0	64.12	28.31-127.72
Hexachlorobutadiene	10.4	ug/L	25.0	41.40	17.28-108.31
Hexachlorocyclopentadiene	1.25	ug/L	25.0	5.00	9.79-126.19
Hexachloroethane	10.3	ug/L	25.0	41.00	20.94-88.14



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253717

Analyst: CLS

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Indeno(1,2,3-cd)pyrene	16.3	ug/L	25.0	65.24	37.85-143.45
Isophorone	11.6	ug/L	25.0	46.44	15.48-109.35
Naphthalene	11.8	ug/L	25.0	47.12	22.76-100.00
Nitrobenzene	12.2	ug/L	25.0	48.88	16.67-101.87
N-Nitrosodimethylamine	10.0	ug/L	25.0	40.00	12.84-110.84
N-Nitrosodiphenylamine	13.8	ug/L	25.0	55.12	20.14-136.25
N-Nitrosodi-n-propylamine	11.1	ug/L	25.0	44.36	7.78-121.66
o-Cresol	7.85	ug/L	25.0	31.40	31.85-96.90
Pentachlorophenol	13.2	ug/L	25.0	52.80	22.28-137.29
Phenanthrene	15.4	ug/L	25.0	61.48	33.30-113.56
Phenol	6.07	ug/L	25.0	24.28	22.51-89.77
Pyrene	13.7	ug/L	25.0	54.80	42.73-127.70
p-Chloro-m-Cresol	9.57	ug/L	25.0	38.28	23.38-107.86
p-Cresol	7.49	ug/L	25.0	29.96	70.00-120.00
2,4,5-Trichlorophenol	9.16	ug/L	25.0	36.64	42.66-114.96
2,4,6-Trichlorophenol	9.18	ug/L	25.0	36.72	80.00-120.00
2,4-Dichlorophenol	7.60	ug/L	25.0	30.40	20.31-101.72
2,4-Dimethylphenol	6.64	ug/L	25.0	26.56	7.63-107.79
2,4-Dinitrophenol	15.6	ug/L	25.0	62.48	9.34-139.66
2,4-Dinitrotoluene	14.8	ug/L	25.0	59.08	32.19-126.79
2,6-Dinitrotoluene	15.5	ug/L	25.0	62.04	27.21-115.54
2-Chloronaphthalene	9.53	ug/L	25.0	38.12	18.48-106.95
2-chlorophenol	7.08	ug/L	25.0	28.32	26.80-96.34
2-methyl-Naphthalene	10.7	ug/L	25.0	42.96	19.08-101.21
2-methyl-4,6-dinitrophenol	17.4	ug/L	25.0	69.60	28.26-128.29
2-Nitrophenol	8.57	ug/L	25.0	34.28	17.49-107.10
4-Bromophenylphenyl ether	16.0	ug/L	25.0	64.00	20.05-126.55
4-Chlorophenylphenyl ether	13.0	ug/L	25.0	52.08	12.26-120.37
4-Nitrophenol	12.4	ug/L	25.0	49.40	18.72-121.25



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Analyst: CLS

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Surr:Nitrobenzene-d5	24.9	ug/L	50.0	49.74	50.00-125.00
Surr:Phenol-d5	8.56	ug/L	50.0	17.12	10.00-110.00
Surr:Terphenyl-d14	28.6	ug/L	50.0	57.28	35.00-125.00
Surr:2,4,6-Tribromophenol	26.9	ug/L	50.0	53.70	25.00-125.00
Surr:2-Fluorobiphenyl	24.8	ug/L	50.0	49.62	25.00-125.00
Surr:2-Fluorophenol	13.7	ug/L	50.0	27.38	20.00-120.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	12.5	ug/L	25.0	50.08	24.01-102.00	2.00U
Acenaphthylene	11.1	ug/L	25.0	44.48	15.89-118.25	2.00U
Anthracene	13.9	ug/L	25.0	55.72	36.35-119.37	2.00U
Benzo(a)anthracene	14.1	ug/L	25.0	56.36	22.93-131.37	0.200U
Benzo(a)pyrene	13.1	ug/L	25.0	52.36	28.55-113.30	1.00U
Benzo(b)fluoranthene	13.3	ug/L	25.0	53.36	3.39-132.21	0.100U
Benzo(g,h,i)perylene	16.2	ug/L	25.0	64.80	29.74-126.64	2.00U
Benzo(k)fluoranthene	18.5	ug/L	25.0	74.00	0.00-172.28	1.00U
Bis(2-chloroethoxy)methane	12.2	ug/L	25.0	48.84	18.79-84.90	2.00U
Bis(2-chloroethyl)ether	12.1	ug/L	25.0	48.40	31.14-66.69	2.00U
Bis(2-ethylhexyl)phthalate	19.7	ug/L	25.0	78.96	45.78-149.57	3.00U
Butyl benzyl phthalate	17.7	ug/L	25.0	70.64	8.98-167.94	3.00U
Chrysene	17.9	ug/L	25.0	71.68	21.81-143.20	2.00U
Dibenz(a,h)anthracene	15.1	ug/L	25.0	60.52	14.09-128.46	0.200U
Diethylphthalate	15.8	ug/L	25.0	63.12	1.00-100.00	3.00U
Dimethylphthalate	15.1	ug/L	25.0	60.20	1.00-124.78	3.00U
Di-n-butylphthalate	19.8	ug/L	25.0	79.00	27.77-132.10	3.00U
Di-n-octylphthalate	17.6	ug/L	25.0	70.20	44.56-151.00	3.00U
Fluoranthene	14.0	ug/L	25.0	55.88	20.92-125.32	2.00U
Fluorene	12.7	ug/L	25.0	50.96	15.17-114.79	2.00U
Hexachlorobenzene	14.7	ug/L	25.0	58.68	39.18-107.37	1.00U



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Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Hexachlorobutadiene	9.73	ug/L	25.0	38.92	19.64-107.65	2.00U
Hexachlorocyclopentadiene	1.60	ug/L	25.0	6.40	21.11-153.35	2.00U
Hexachloroethane	9.92	ug/L	25.0	39.68	0.00-145.15	2.00U
Indeno(1,2,3-cd)pyrene	15.7	ug/L	25.0	62.72	13.91-145.82	0.200U
Isophorone	10.9	ug/L	25.0	43.52	23.01-78.93	2.00U
Naphthalene	11.0	ug/L	25.0	43.84	9.17-110.12	2.00U
Nitrobenzene	10.8	ug/L	25.0	43.36	80.00-120.00	2.00U
N-Nitrosodimethylamine	9.28	ug/L	25.0	37.12	0.00-129.97	3.00U
N-Nitrosodiphenylamine	13.8	ug/L	25.0	55.16	18.25-143.12	2.00U
N-Nitrosodi-n-propylamine	10.4	ug/L	25.0	41.68	19.99-90.09	2.00U
o-Cresol	10.0	ug/L	25.0	40.00	0.00-128.19	2.00U
Pentachlorophenol	13.6	ug/L	25.0	54.40	33.93-127.96	0.400U
Phenanthrene	14.6	ug/L	25.0	58.48	19.47-133.87	2.00U
Phenol	8.47	ug/L	25.0	33.88	24.35-78.84	2.00U
Pyrene	14.2	ug/L	25.0	56.84	21.53-149.12	2.00U
p-Chloro-m-Cresol	11.0	ug/L	25.0	43.84	21.61-109.88	2.00U
p-Cresol	9.86	ug/L	25.0	39.44	80.00-120.00	2.00U
2,4,5-Trichlorophenol	10.4	ug/L	25.0	41.60	80.00-120.00	1.00U
2,4,6-Trichlorophenol	11.0	ug/L	25.0	43.96	24.26-90.82	2.00U
2,4-Dichlorophenol	9.94	ug/L	25.0	39.76	3.49-115.80	1.00U
2,4-Dimethylphenol	8.99	ug/L	25.0	35.96	80.00-120.00	2.00U
2,4-Dinitrophenol	16.7	ug/L	25.0	66.84	9.63-157.09	5.00U
2,4-Dinitrotoluene	14.6	ug/L	25.0	58.24	21.53-131.97	0.200U
2,6-Dinitrotoluene	14.7	ug/L	25.0	58.84	2.57-141.27	2.00U
2-Chloronaphthalene	8.93	ug/L	25.0	35.72	32.50-75.12	2.00U
2-chlorophenol	9.59	ug/L	25.0	38.36	80.00-120.00	2.00U
2-methyl-Naphthalene	10.0	ug/L	25.0	40.00	23.63-87.85	2.00U
2-methyl-4,6-dinitrophenol	18.8	ug/L	25.0	75.12	9.66-145.51	2.00U
2-Nitrophenol	11.4	ug/L	25.0	45.56	30.89-79.77	2.00U



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Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
4-Bromophenylphenyl ether	15.0	ug/L	25.0	60.12	28.41-111.16	2.00U
4-Chlorophenylphenyl ether	12.5	ug/L	25.0	49.88	9.01-119.69	2.00U
4-Nitrophenol	13.8	ug/L	25.0	55.20	29.44-124.00	2.00U
Surr:Nitrobenzene-d5	23.9	ug/L	50.0	47.88	11.76-107.00	
Surr:Phenol-d5	14.7	ug/L	50.0	29.44	80.00-120.00	
Surr:Terphenyl-d14	32.2	ug/L	50.0	64.32	6.08-149.12	
Surr:2,4,6-Tribromophenol	29.5	ug/L	50.0	58.96	6.92-122.06	
Surr:2-Fluorobiphenyl	24.8	ug/L	50.0	49.50	16.08-95.65	
Surr:2-Fluorophenol	20.1	ug/L	50.0	40.26	80.00-120.00	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acenaphthene	12.6	ug/L	25.0	50.56	24.01-102.00	2.00U	0.95	21.67
Acenaphthylene	11.6	ug/L	25.0	46.52	15.89-118.25	2.00U	4.48	18.46
Anthracene	13.6	ug/L	25.0	54.52	36.35-119.37	2.00U	2.18	10.13
Benzo(a)anthracene	12.9	ug/L	25.0	51.52	22.93-131.37	0.200U	8.97	9.54
Benzo(a)pyrene	13.7	ug/L	25.0	54.68	28.55-113.30	1.00U	4.33	14.14
Benzo(b)fluoranthene	11.6	ug/L	25.0	46.36	3.39-132.21	0.100U	14.04	14.63
Benzo(g,h,i)perylene	15.3	ug/L	25.0	61.16	29.74-126.64	2.00U	5.78	17.03
Benzo(k)fluoranthene	14.8	ug/L	25.0	59.32	0.00-172.28	1.00U	22.02	16.07
Bis(2-chloroethoxy)methane	13.3	ug/L	25.0	53.08	18.79-84.90	2.00U	8.32	16.75
Bis(2-chloroethyl)ether	12.3	ug/L	25.0	49.36	31.14-66.69	2.00U	1.96	17.90
Bis(2-ethylhexyl)phthalate	17.6	ug/L	25.0	70.32	45.78-149.57	3.00U	11.58	10.12
Butyl benzyl phthalate	17.5	ug/L	25.0	70.16	8.98-167.94	3.00U	0.68	4.98
Chrysene	15.4	ug/L	25.0	61.44	21.81-143.20	2.00U	15.38	13.79
Dibenz(a,h)anthracene	14.4	ug/L	25.0	57.48	14.09-128.46	0.200U	5.15	13.26
Diethylphthalate	16.3	ug/L	25.0	65.28	1.00-100.00	3.00U	3.36	19.12
Dimethylphthalate	15.6	ug/L	25.0	62.28	1.00-124.78	3.00U	3.40	13.85
Di-n-butylphthalate	18.2	ug/L	25.0	72.76	27.77-132.10	3.00U	8.22	10.19
Di-n-octylphthalate	16.2	ug/L	25.0	64.80	44.56-151.00	3.00U	8.00	11.27



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Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Fluoranthene	12.4	ug/L	25.0	49.60	20.92-125.32	2.00U	11.91	13.82
Fluorene	13.0	ug/L	25.0	52.08	15.17-114.79	2.00U	2.17	15.89
Hexachlorobenzene	14.1	ug/L	25.0	56.40	39.18-107.37	1.00U	3.96	7.77
Hexachlorobutadiene	10.5	ug/L	25.0	42.16	19.64-107.65	2.00U	7.99	13.24
Hexachlorocyclopentadiene	1.66	ug/L	25.0	6.64	21.11-153.35	2.00U	3.68	13.50
Hexachloroethane	10.6	ug/L	25.0	42.28	0.00-145.15	2.00U	6.34	11.44
Indeno(1,2,3-cd)pyrene	15.0	ug/L	25.0	59.92	13.91-145.82	0.200U	4.57	16.14
Isophorone	11.9	ug/L	25.0	47.52	23.01-78.93	2.00U	8.79	17.92
Naphthalene	11.8	ug/L	25.0	47.36	9.17-110.12	2.00U	7.72	18.47
Nitrobenzene	12.2	ug/L	25.0	48.80	80.00-120.00	2.00U	11.81	14.30
N-Nitrosodimethylamine	10.5	ug/L	25.0	41.96	0.00-129.97	3.00U	12.24	19.85
N-Nitrosodiphenylamine	14.6	ug/L	25.0	58.24	18.25-143.12	2.00U	5.43	8.53
N-Nitrosodi-n-propylamine	12.0	ug/L	25.0	48.12	19.99-90.09	2.00U	14.34	18.67
o-Cresol	9.09	ug/L	25.0	36.36	0.00-128.19	2.00U	9.53	14.73
Pentachlorophenol	13.8	ug/L	25.0	55.08	33.93-127.96	0.400U	1.24	7.50
Phenanthrene	14.0	ug/L	25.0	56.12	19.47-133.87	2.00U	4.12	13.53
Phenol	6.77	ug/L	25.0	27.08	24.35-78.84	2.00U	22.31	18.10
Pyrene	12.4	ug/L	25.0	49.60	21.53-149.12	2.00U	13.60	12.69
p-Chloro-m-Cresol	11.6	ug/L	25.0	46.36	21.61-109.88	2.00U	5.59	19.71
p-Cresol	8.82	ug/L	25.0	35.28	80.00-120.00	2.00U	11.13	20.00
2,4,5-Trichlorophenol	10.5	ug/L	25.0	41.88	80.00-120.00	1.00U	0.67	9.77
2,4,6-Trichlorophenol	10.6	ug/L	25.0	42.48	24.26-90.82	2.00U	3.42	11.70
2,4-Dichlorophenol	8.78	ug/L	25.0	35.12	3.49-115.80	1.00U	12.39	14.90
2,4-Dimethylphenol	9.95	ug/L	25.0	39.80	80.00-120.00	2.00U	10.14	17.81
2,4-Dinitrophenol	19.4	ug/L	25.0	77.40	9.63-157.09	5.00U	14.64	14.19
2,4-Dinitrotoluene	16.0	ug/L	25.0	64.16	21.53-131.97	0.200U	9.67	8.90
2,6-Dinitrotoluene	16.6	ug/L	25.0	66.24	2.57-141.27	2.00U	11.83	7.60
2-Chloronaphthalene	10.4	ug/L	25.0	41.72	32.50-75.12	2.00U	15.50	19.02
2-chlorophenol	7.35	ug/L	25.0	29.40	80.00-120.00	2.00U	26.45	13.95



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2-methyl-Naphthalene	11.1	ug/L	25.0	44.28	23.63-87.85	2.00U	10.16	22.66
2-methyl-4,6-dinitrophenol	19.7	ug/L	25.0	78.92	9.66-145.51	2.00U	4.93	7.43
2-Nitrophenol	10.4	ug/L	25.0	41.44	30.89-79.77	2.00U	9.47	13.79
4-Bromophenylphenyl ether	15.8	ug/L	25.0	63.20	28.41-111.16	2.00U	5.00	8.59
4-Chlorophenylphenyl ether	12.8	ug/L	25.0	51.08	9.01-119.69	2.00U	2.38	14.26
4-Nitrophenol	15.0	ug/L	25.0	60.08	29.44-124.00	2.00U	8.47	8.63
Surr:Nitrobenzene-d5	27.9	ug/L	50.0	55.82	11.76-107.00		15.31	23.39
Surr:Phenol-d5	10.0	ug/L	50.0	20.08	80.00-120.00		37.80	15.83
Surr:Terphenyl-d14	28.5	ug/L	50.0	57.02	6.08-149.12		12.03	20.47
Surr:2,4,6-Tribromophenol	28.9	ug/L	50.0	57.88	6.92-122.06		1.85	20.79
Surr:2-Fluorobiphenyl	27.4	ug/L	50.0	54.72	16.08-95.65		10.02	22.83
Surr:2-Fluorophenol	17.1	ug/L	50.0	34.26	80.00-120.00		16.10	18.78

Quality Control Batch: 10253718

Analyst: DLJ

Blank	Result	Units
Aldrin	0.0200U	ug/L
a-BHC	0.0200U	ug/L
b-BHC	0.0100U	ug/L
Chlordane	0.0100U	ug/L
Dieldrin	0.0200U	ug/L
d-BHC	0.0100U	ug/L
Endosulfan_I	0.0100U	ug/L
Endosulfan_II	0.0100U	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



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253718

Analyst: DLJ

Blank	Result	Units
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	0.354	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Aldrin	0.113	ug/L	0.125	90.27	12.83-113.48
a-BHC	0.143	ug/L	0.125	114.40	12.52-115.93
b-BHC	0.126	ug/L	0.125	101.05	32.71-121.18
Chlordane	0.364	ug/L	0.250	145.40	71.76-138.79
Dieldrin	0.151	ug/L	0.125	120.53	34.19-127.26
d-BHC	0.0827	ug/L	0.125	66.19	28.63-108.97
Endosulfan_I	0.149	ug/L	0.125	119.44	18.33-120.63
Endosulfan_II	0.159	ug/L	0.125	127.45	37.06-132.85
Endosulfan_sulfate	0.133	ug/L	0.125	106.75	23.13-147.35
Endrin	0.117	ug/L	0.125	93.30	61.31-151.63
Endrin_Aldehyde	0.145	ug/L	0.125	115.94	35.08-136.28
Heptachlor	0.127	ug/L	0.125	101.68	71.93-136.13
Heptachlor epoxide	0.145	ug/L	0.125	116.22	72.05-132.82
Lindane (g-BHC)	0.141	ug/L	0.125	112.96	67.43-132.32
Methoxychlor	0.164	ug/L	0.125	131.49	35.57-159.59
4,4'-DDD	0.152	ug/L	0.125	121.20	34.70-139.82
4,4'-DDE	0.148	ug/L	0.125	118.13	29.61-130.24
4,4'-DDT	0.151	ug/L	0.125	120.57	33.43-137.17
Surr:Decachlorobiphenyl	0.275	ug/L	0.500	55.10	26.32-128.90

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253718

Analyst: DLJ

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Aldrin	0.134	ug/L	0.125	107.20	80.00-120.00	0.0200U
a-BHC	0.130	ug/L	0.125	104.20	80.00-120.00	0.0200U
b-BHC	0.139	ug/L	0.125	111.51	32.71-121.18	0.0100U
Chlordane	0.269	ug/L	0.250	107.58	80.00-120.00	0.0100U
Dieldrin	0.140	ug/L	0.125	111.94	34.19-127.26	0.0200U
d-BHC	0.0768	ug/L	0.125	61.40	80.00-120.00	0.0100U
Endosulfan_I	0.132	ug/L	0.125	105.60	80.00-120.00	0.0100U
Endosulfan_II	0.145	ug/L	0.125	116.26	80.00-120.00	0.0100U
Endosulfan_sulfate	0.126	ug/L	0.125	100.83	80.00-120.00	0.0200U
Endrin	0.144	ug/L	0.125	115.30	57.84-145.43	0.0100U
Endrin_Aldehyde	0.141	ug/L	0.125	113.13	80.00-120.00	0.0200U
Heptachlor	0.121	ug/L	0.125	96.88	66.41-135.41	0.0100U
Heptachlor epoxide	0.137	ug/L	0.125	109.66	66.19-134.11	0.0100U
Lindane (g-BHC)	0.132	ug/L	0.125	105.52	62.39-132.52	0.0100U
Methoxychlor	0.175	ug/L	0.125	140.08	80.00-120.00	0.0100U
4,4'-DDD	0.141	ug/L	0.125	113.14	34.70-139.82	0.0200U
4,4'-DDE	0.134	ug/L	0.125	107.22	80.00-120.00	0.0200U
4,4'-DDT	0.138	ug/L	0.125	110.74	80.00-120.00	0.0200U
Surr:Decachlorobiphenyl	0.233	ug/L	0.500	46.65	80.00-120.00	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Aldrin	0.113	ug/L	0.125	90.43	80.00-120.00	0.0200U	16.97	2.80
a-BHC	0.130	ug/L	0.125	104.29	80.00-120.00	0.0200U	0.09	3.06
b-BHC	0.120	ug/L	0.125	95.78	32.71-121.18	0.0100U	15.18	8.19
Chlordane	0.249	ug/L	0.250	99.47	80.00-120.00	0.0100U	7.84	5.16
Dieldrin	0.130	ug/L	0.125	104.31	34.19-127.26	0.0200U	7.06	4.19
d-BHC	0.0731	ug/L	0.125	58.51	80.00-120.00	0.0100U	4.83	3.65
Endosulfan_I	0.119	ug/L	0.125	95.01	80.00-120.00	0.0100U	10.56	5.87
Endosulfan_II	0.139	ug/L	0.125	111.30	80.00-120.00	0.0100U	4.36	0.38



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Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253718**Analyst: DLJ****Matrix Spike Duplicate**

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Endosulfan_sulfate	0.120	ug/L	0.125	96.16	80.00-120.00	0.0200U	4.75	3.52
Endrin	0.135	ug/L	0.125	108.02	57.84-145.43	0.0100U	6.52	3.71
Endrin_Aldehyde	0.133	ug/L	0.125	106.78	80.00-120.00	0.0200U	5.77	7.56
Heptachlor	0.115	ug/L	0.125	92.24	66.41-135.41	0.0100U	4.90	2.19
Heptachlor epoxide	0.130	ug/L	0.125	103.60	66.19-134.11	0.0100U	5.69	8.06
Lindane (g-BHC)	0.123	ug/L	0.125	98.23	62.39-132.52	0.0100U	7.16	3.35
Methoxychlor	0.160	ug/L	0.125	128.18	80.00-120.00	0.0100U	8.87	4.99
4,4'-DDD	0.135	ug/L	0.125	108.00	34.70-139.82	0.0200U	4.64	1.36
4,4'-DDE	0.123	ug/L	0.125	98.26	80.00-120.00	0.0200U	8.72	3.64
4,4'-DDT	0.135	ug/L	0.125	108.22	80.00-120.00	0.0200U	2.30	3.64
Surr:Decachlorobiphenyl	0.284	ug/L	0.500	56.84	80.00-120.00		19.70	17.86

Quality Control Batch: 10253719**Analyst: CLS****Blank**

	Result	Units
Acetophenone	10.0U	ug/L
Benzyl alcohol	5.00U	ug/L
Chlorobenzilate	0.800U	ug/L
Diallate	2.00U	ug/L
Dibenzofuran	5.00U	ug/L
Dimethoate	2.00U	ug/L
Diphenylamine	10.0U	ug/L
Ethyl methanesulfonate	20.0U	ug/L
Famphur	2.00U	ug/L
Hexachloropropene	10.0U	ug/L
Isodrin	20.0U	ug/L
Isosafrole	10.0U	ug/L
Kepone	2.00U	ug/L
Methapyrilene	20.0U	ug/L
Methyl methanesulfonate	10.0U	ug/L



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Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253719

Analyst: CLS

Blank	Result	Units
m-Dinitrobenzene	2.00U	ug/L
m-nitroaniline	2.00U	ug/L
N-Nitroso di-n-butylamine	2.00U	ug/L
N-Nitrosodiethylamine	3.00U	ug/L
N-Nitrosomethylethylamine	2.00U	ug/L
N-Nitrosopiperidine	10.0U	ug/L
N-Nitrosopyrrolidine	2.00U	ug/L
O,O,O-Triethylphosphorothioate	10.0U	ug/L
O,O-diethyl-O,2-pyrazinylphosphorothioate	10.0U	ug/L
o-nitroaniline	10.0U	ug/L
o-Toluidine	2.00U	ug/L
Pentachlorobenzene	0.300U	ug/L
Pentachloronitrobenzene	0.300U	ug/L
Phenacetin	20.0U	ug/L
Pronamide	10.0U	ug/L
p-Chloroaniline	10.0U	ug/L
p-nitroaniline	2.00U	ug/L
p-Phenylenediamine	10.0U	ug/L
p-(Dimethylamino)azobenzene	10.0U	ug/L
Saffrole	10.0U	ug/L
Trinitrobenzene	10.0U	ug/L
1,2,4,5-Tetrachlorobenzene	2.00U	ug/L
1,4-Naphthoquinone	10.0U	ug/L
1-Napthalamine	10.0U	ug/L
2,3,4,6-Tetrachlorophenol	2.00U	ug/L
2,6-Dichlorophenol	1.00U	ug/L
2-Acetylaminofluorene	10.0U	ug/L
2-Naphthylamine	2.00U	ug/L
3,3'-Dimethylbenzidine	2.00U	ug/L



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Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253719

Analyst: CLS

Blank	Result	Units
3-Methylcholanthrene	10.0U	ug/L
4-Aminobiphenyl	10.0U	ug/L
5-Nitro-o-toluidine	2.00U	ug/L
7,12-Dimethylbenz(a)anthracene	10.0U	ug/L

Quality Control Batch: 10253797

Analyst: DLJ

Blank	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

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Arochlor 1232	9.88	ug/L	10.0	98.77	80.00-120.00

Quality Control Batch: 10253823

Analyst: DLJ

Blank	Result	Units
Disulfoton	0.300U	ug/L
Ethyl Parathion	0.500U	ug/L
Methyl Parathion	0.500U	ug/L
Phorate	1.00U	ug/L
Surr:CI-NBTF	38.3	ug/L

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
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Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238457

Quality Control Batch: 10253823**Analyst: DLJ****Laboratory Control Sample**

	Result	Units	Spike	%REC	%REC Lim
Disulfoton	4.00	ug/L	4.00	99.97	33.40-167.19
Ethyl Parathion	5.49	ug/L	4.00	137.32	80.00-120.00
Methyl Parathion	4.74	ug/L	4.00	118.44	20.01-160.55
Phorate	2.77	ug/L	4.00	69.24	29.28-161.04
Surr:CI-NBTF	18.2	ug/L	32.0	56.77	70.00-130.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Disulfoton	3.70	ug/L	4.00	92.62	70.00-130.00	0.300U
Ethyl Parathion	6.23	ug/L	4.00	155.73	80.00-120.00	0.500U
Methyl Parathion	4.57	ug/L	4.00	114.28	70.00-130.00	0.500U
Phorate	2.47	ug/L	4.00	61.69	70.00-130.00	1.00U
Surr:CI-NBTF	19.4	ug/L	32.0	60.66	70.00-130.00	

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Disulfoton	3.62	ug/L	4.00	90.60	70.00-130.00	0.300U	2.21	15.00
Ethyl Parathion	6.37	ug/L	4.00	159.22	80.00-120.00	0.500U	2.22	20.00
Methyl Parathion	4.55	ug/L	4.00	113.78	70.00-130.00	0.500U	0.44	15.00
Phorate	2.14	ug/L	4.00	53.56	70.00-130.00	1.00U	14.11	15.00
Surr:CI-NBTF	18.7	ug/L	32.0	58.36	70.00-130.00		3.87	15.00

Quality Control Batch: 10253924**Analyst: PLB****Blank**

	Result	Units
TDS	2.50U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
TDS	1490	mg/L	1500	99.60	91.15-105.70



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Jun 25, 2014; Invoice: 238457



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Narrative Report

Sample Handling

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

Quality Control

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

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
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.
W	The dissolved oxygen blank was above .02 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
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.

KIT REQUEST FORM

481 Newburyport Ave.

Altamonte Springs, FL 32701

Phone (407) 339-5984 Fax (407) 260-6110

FCL	Project Manager:	June Flowers
-----	------------------	--------------

[illegible]

Ship To:		Client #		Date Ordered: 05/30/14		Date to be Shipped:		Date Needed: 06/06/14	
Atkins-Tampa		Extra Coolers: <input type="checkbox"/> (L) <input type="checkbox"/> (M) <input type="checkbox"/> (S)		Trip Blanks: <input type="checkbox"/> w/HCl <input type="checkbox"/> w/o HCl		Custody Chain: <input checked="" type="checkbox"/> 1 Env. <input type="checkbox"/> DW		Temp Blank: <input type="checkbox"/> Bailers: <input type="checkbox"/>	
Tampa Account		Special Notes:		Cooler ID		Customer Pick Up:		Date: _____ Time 8am	
ATTN: Ray Castro		Project: Appendix II New Well		Location: Hardee County Land		Sampling Dates:		SHIPPING METHOD	
		No Headspace in vials		Field pH, cond, DO		(these are in the Quicklist)		<input type="checkbox"/> STD. DHL <input type="checkbox"/> DHL Next Day <input type="checkbox"/> Fed-Ex Flowers Account <input type="checkbox"/> Fed-Ex Client Account # _____ <input type="checkbox"/> Other: _____	
SAMPLE KIT ID:		Return this with C		Thank You for Your Business					



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238442

Report Summary

Date Received: Jun 12, 2014

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
238442SW1	SW-2/21062	EPA245.1	EVB	Main Lab	Surface Water
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.4	VLB	Main Lab	
		EPA410.4	CTH	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CLS	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM10200 H	TRB	Main Lab	
		SM2340 B	EVB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM5210 B	MAC	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TRB	Main Lab	
		TotNit			
238442SW2	TRIP BLANK	EPA8260	CLS	Main Lab	Surface Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP 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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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238442

Analysis Report

Lab #: 238442SW1 Sampled: 06/12/14 01:51 PM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Total Nitrogen(as N)	1.59		0				TotNit	17778-88-0	
TKN(as N)	1.59	mg/L	1.00	0.200	0.400	10179299	EPA351.2	7727-37-9	06/24/14
Total Phosphorus(as P)	0.282	mg/L	1.00	0.0400	0.0400	10179304	EPA365.4	7723-14-0	06/24/14
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10252895	EPA353.2	14797-55-8	06/13/14 08:44 AM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10252895	EPA353.2	14797-65-0	06/13/14 08:44 AM
Chemical Oxygen Demand	77.9	mg/L	1.00	20.0	40.0	10252966	EPA410.4	C-004	06/13/14
Fecal Coliform	169	cfu/100mL	1.00	1.00	1.00	10252970	SM9222 D	E761792	06/12/14 05:00 PM
TSS	1.63 l	mg/L	1.00	1.00	2.00	10253026	SM2540 D	E1642818	04/14/14
TDS	414	mg/L	1.00	2.50	5.00	10253032	SM2540 C	10-33-3	06/13/14
Field DO	1.03	mg/L	1.00	0.100	0.100	10253059	FT1500		06/12/14
Iron	0.323	mg/L	1.00	0.0100	0.0200	10253192	EPA6010	7439-89-6	06/16/14
Total Hardness (as CaCO3)	210	mg/L	1.00	0.100	0.200	10253193	SM2340 B	40-11-9	06/16/14
Mercury	0.00000500 U	mg/L	1.00	0.00000500	0.0000100	10253211	EPA245.1	7439-97-6	06/17/14
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7429-90-5	06/16/14
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10253239	EPA6020	7440-36-0	06/16/14
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-38-2	06/16/14
Barium	0.0115	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7440-39-3	06/16/14
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-41-7	06/16/14
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-43-9	06/16/14
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-47-3	06/16/14
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-48-4	06/16/14
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-50-8	06/16/14
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7439-92-1	06/16/14
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-02-0	06/16/14
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10253239	EPA6020	7782-49-2	06/16/14
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10253239	EPA6020	7440-22-4	06/16/14
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-28-0	06/16/14



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Atkins-Tampa
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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238442

Lab #: 238442SW1 Sampled: 06/12/14 01:51 PM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Vanadium	0.00100 U	mg/L	1.00	0.00100	0.00200	10253239	EPA6020	7440-62-2	06/16/14
Zinc	0.0389	mg/L	1.00	0.0100	0.0200	10253239	EPA6020	7440-66-6	06/16/14
Unionized NH3(as N)	0.00122	mg/L	1.00	0.000100	0.000200	10253254	FDEP DEP-SOF		06/18/14
TOC	21.7	mg/L	1.00	1.00	2.00	10253398	SM5310 C	E701250	06/18/14
BOD5day	2.11	mg/L	1.00	2.00	2.00	10253416	SM5210 B	E1640606	06/13/14 11:20 AM
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253448	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-35-4	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253448	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253448	EPA8260	78-87-5	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253448	EPA8260	67-64-1	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253448	EPA8260	107-13-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253448	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253448	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	74-87-3	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253448	EPA8260	124-48-1	06/18/14



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Jun 25, 2014; Invoice: 238442

Lab #: 238442SW1 Sampled: 06/12/14 01:51 PM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	074-95-3	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	100-41-4	06/18/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	074-88-4	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	106-46-7	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253448	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253448	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	10061-01-5	06/18/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	156-60-5	06/18/14
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (85-128%)	96.37%		1.00	0.0100	0.0100	10253448	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-123%)	102.93%		1.00	1.00	1.00	10253448	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	97.47%		1.00	0.0100	0.0100	10253448	EPA8260		06/18/14
Field pH (units)	6.88	pH	1.00	0.0100	0.0200	10253486	FT1100	C006	06/12/14
Field Conductivity	431	umhos/cm	1.00	0.100	0.100	10253486	FT1200		06/12/14
Field Temp. (C)	23.4	oC	1.00	0.100	0.100	10253486	FT1400		06/12/14
Field Turbidity	1.89	NTU	1.00	0.100	0.100	10253486	FT1600		06/12/14
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10253534	EPA8011	096-18-4	06/19/14
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10253534	EPA8011	106-93-4	06/19/14



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Lab #: 238442SW1 Sampled: 06/12/14 01:51 PM Desc: SW-2/21062

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	10253534	EPA8011	96-12-8	06/19/14
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10253689	SM10200 H	479-61-8	06/20/14

Lab #: 238442SW2 Sampled: 06/12/14 01:51 PM 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	10253448	EPA8260	630-20-6	06/18/14
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	71-55-6	06/18/14
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10253448	EPA8260	79-34-5	06/18/14
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	79-00-5	06/18/14
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-34-3	06/18/14
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-35-4	06/18/14
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10253448	EPA8260	107-06-2	06/18/14
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10253448	EPA8260	78-87-5	06/18/14
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	78-93-3	06/18/14
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	591-78-6	06/18/14
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10253448	EPA8260	67-64-1	06/18/14
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10253448	EPA8260	107-13-1	06/18/14
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	71-43-2	06/18/14
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10253448	EPA8260	074-97-5	06/18/14
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10253448	EPA8260	75-27-4	06/18/14
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-25-2	06/18/14
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	74-83-9	06/18/14
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	75-15-0	06/18/14
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	56-23-5	06/18/14
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	108-90-7	06/18/14
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-00-3	06/18/14
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	67-66-3	06/18/14
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	74-87-3	06/18/14
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10253448	EPA8260	124-48-1	06/18/14



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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	074-95-3	06/18/14
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	100-41-4	06/18/14
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	074-88-4	06/18/14
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	108-10-1	06/18/14
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	75-09-2	06/18/14
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	106-46-7	06/18/14
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	100-42-5	06/18/14
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	127-18-4	06/18/14
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	108-88-3	06/18/14
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	79-01-6	06/18/14
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-69-4	06/18/14
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10253448	EPA8260	108-05-4	06/18/14
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	75-01-4	06/18/14
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	1330-20-7	06/18/14
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10253448	EPA8260	156-59-2	06/18/14
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	10061-01-5	06/18/14
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	95-50-1	06/18/14
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	156-60-5	06/18/14
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10253448	EPA8260	10061-02-6	06/18/14
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10253448	EPA8260	110-57-6	06/18/14
Surr:1,2-Dichloroethane-d4 (85-128%)	98.67%		1.00	0.0100	0.0100	10253448	EPA8260		06/18/14
Surr:Bromofluorobenzene (70-123%)	104.07%		1.00	1.00	1.00	10253448	EPA8260	460-00-4	06/18/14
Surr:Toluene-d8 (80-120%)	98.60%		1.00	0.0100	0.0100	10253448	EPA8260		06/18/14



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Atkins-Tampa
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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238442

Quality Report

Quality Control Batch: 10179299

Analyst: VLB

Blank

TKN(as N)

Result	Units
0.200U	mg/L

Laboratory Control Sample

TKN(as N)

Result	Units	Spike	%REC	%REC Lim
3.00	mg/L	3.00	99.90	90.00-110.00

Matrix Spike

TKN(as N)

Result	Units	Spike	%REC	%REC Lim	Sample
3.83	mg/L	3.00	98.51	80.00-120.00	0.877

Quality Control Batch: 10179304

Analyst: VLB

Blank

Total Phosphorus(as P)

Result	Units
0.0400U	mg/L

Laboratory Control Sample

Total Phosphorus(as P)

Result	Units	Spike	%REC	%REC Lim
1.46	mg/L	1.50	97.13	90.00-110.00

Matrix Spike

Total Phosphorus(as P)

Result	Units	Spike	%REC	%REC Lim	Sample
1.59	mg/L	1.50	96.62	80.00-120.00	0.138

Quality Control Batch: 10252895

Analyst: PCW

Blank

Nitrate(as N)

Result	Units
0.0100U	mg/L

Nitrite(as N)

0.0200U	mg/L
---------	------

Laboratory Control Sample

Nitrite(as N)

Result	Units	Spike	%REC	%REC Lim
1.05	mg/L	1.00	105.00	90.00-110.00



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Quality Control Batch: 10252895**Analyst: PCW****Matrix Spike**

Nitrite(as N)

Result	Units	Spike	%REC	%REC Lim	Sample
3.65	mg/L	4.00	90.91	80.00-120.00	0.0137

Matrix Spike Duplicate

Nitrite(as N)

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
3.66	mg/L	4.00	91.16	80.00-120.00	0.0137	0.27	20.00

Quality Control Batch: 10252966**Analyst: CTH****Blank**

Chemical Oxygen Demand

Result	Units
20.0U	mg/L

Laboratory Control Sample

Chemical Oxygen Demand

Result	Units	Spike	%REC	%REC Lim
104	mg/L	100	103.70	81.47-117.86

Matrix Spike

Chemical Oxygen Demand

Result	Units	Spike	%REC	%REC Lim	Sample
616	mg/L	200	102.71	49.93-147.31	411

Matrix Spike Duplicate

Chemical Oxygen Demand

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
616	mg/L	200	102.71	49.93-147.31	411	0.00	31.27

Quality Control Batch: 10252970**Analyst: TRB****Blank**

Fecal Coliform

Result	Units
1.00U	cfu/100mL

Quality Control Batch: 10253026**Analyst: PLB****Blank**

TSS

Result	Units
1.00U	mg/L

Laboratory Control Sample

TSS

Result	Units	Spike	%REC	%REC Lim
82.0	mg/L	84.0	97.62	80.00-120.00



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Quality Control Batch: 10253032

Analyst: PLB

Blank

TDS

Result	Units
2.50U	mg/L

Laboratory Control Sample

TDS

Result	Units	Spike	%REC	%REC Lim
1490	mg/L	1500	99.60	91.15-105.70

Quality Control Batch: 10253192

Analyst: EVB

Blank

Iron

Result	Units
0.0124	mg/L

Laboratory Control Sample

Iron

Result	Units	Spike	%REC	%REC Lim
5.19	mg/L	5.00	103.78	81.21-113.54

Matrix Spike

Iron

Result	Units	Spike	%REC	%REC Lim	Sample
5.51	mg/L	5.00	99.09	57.02-147.60	0.553

Matrix Spike Duplicate

Iron

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
5.69	mg/L	5.00	102.75	57.02-147.60	0.553	3.27	19.53

Quality Control Batch: 10253193

Analyst: EVB

Blank

Total Hardness (as CaCO₃)

Result	Units
0.100U	mg/L

Laboratory Control Sample

Total Hardness (as CaCO₃)

Result	Units	Spike	%REC	%REC Lim
34.9	mg/L	33.1	105.57	82.68-113.41



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Quality Control Batch: 10253211**Blank**

Mercury

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

0.00000500U mg/L

Laboratory Control Sample

Mercury

Result

Units

0.0000203

mg/L

Spike

0.0000200

%REC

101.50

%REC Lim

80.00-120.00

Matrix Spike

Mercury

Result

Units

0.0000417

mg/L

Spike

0.0000400

%REC

104.25

%REC Lim

80.00-120.00

Sample

0.00000500U

Matrix Spike Duplicate

Mercury

Result

Units

0.0000422

mg/L

Spike

0.0000400

%REC

105.50

%REC Lim

80.00-120.00

Sample

0.00000500U

RPD

1.19

RPD Lim

20.00

Quality Control Batch: 10253239**Blank**

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Chromium

Cobalt

Copper

Lead

Nickel

Selenium

Silver

Thallium

Vanadium

Zinc

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

0.0100U

mg/L

0.00200U

mg/L

0.00100U

mg/L

0.00200U

mg/L

0.000500U

mg/L

0.00100U

mg/L

0.00100U

mg/L

0.00100U

mg/L

0.00100U

mg/L

0.00100U

mg/L

0.00100U

mg/L

0.00200U

mg/L

0.000500U

mg/L

0.00100U

mg/L

0.00100U

mg/L

0.0100U

mg/L



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Quality Control Batch: 10253239

Analyst: EVB

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Aluminum	0.105	mg/L	0.100	105.47	78.68-126.86
Antimony	0.101	mg/L	0.100	100.97	76.70-120.39
Arsenic	0.102	mg/L	0.100	101.60	81.09-119.32
Barium	0.0934	mg/L	0.100	93.42	84.59-125.11
Beryllium	0.109	mg/L	0.100	109.42	85.69-132.22
Cadmium	0.0996	mg/L	0.100	99.61	84.66-121.81
Chromium	0.106	mg/L	0.100	106.29	87.00-122.96
Cobalt	0.102	mg/L	0.100	101.77	78.66-126.98
Copper	0.106	mg/L	0.100	106.46	84.08-122.69
Lead	0.108	mg/L	0.100	108.43	86.91-124.18
Nickel	0.105	mg/L	0.100	105.03	77.31-126.31
Selenium	0.104	mg/L	0.100	103.51	75.98-121.42
Silver	0.107	mg/L	0.100	107.25	79.76-119.92
Thallium	0.104	mg/L	0.100	103.83	80.95-125.84
Vanadium	0.103	mg/L	0.100	103.08	78.51-125.51
Zinc	0.104	mg/L	0.100	104.16	79.82-122.80

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Aluminum	0.103	mg/L	0.100	102.94	42.91-164.06	0.0100U
Antimony	0.0920	mg/L	0.100	91.99	73.48-142.27	0.00200U
Arsenic	0.0887	mg/L	0.100	88.68	73.05-140.45	0.00100U
Barium	0.116	mg/L	0.100	88.23	70.68-156.87	0.0279
Beryllium	0.0724	mg/L	0.100	72.45	89.27-154.67	0.000500U
Cadmium	0.0844	mg/L	0.100	84.41	76.87-137.80	0.00100U
Chromium	0.114	mg/L	0.100	113.61	67.91-144.29	0.00100U
Cobalt	0.107	mg/L	0.100	106.67	68.92-150.01	0.00100U
Copper	0.0960	mg/L	0.100	96.01	57.64-148.77	0.00100U
Lead	0.0932	mg/L	0.100	93.20	69.09-150.83	0.00100U
Nickel	0.104	mg/L	0.100	103.96	58.01-145.27	0.00100U



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Quality Control Batch: 10253239

Analyst: EVB

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Selenium	0.0754	mg/L	0.100	75.41	63.72-144.34	0.00200U
Silver	0.0821	mg/L	0.100	82.08	48.94-146.79	0.000500U
Thallium	0.0928	mg/L	0.100	92.78	68.93-151.79	0.00100U
Vanadium	0.117	mg/L	0.100	116.54	72.08-149.74	0.00100U
Zinc	0.159	mg/L	0.100	80.48	51.79-149.89	0.0781

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Aluminum	0.102	mg/L	0.100	101.66	42.91-164.06	0.0100U	1.25	28.86
Antimony	0.0908	mg/L	0.100	90.79	73.48-142.27	0.00200U	1.31	23.91
Arsenic	0.0881	mg/L	0.100	88.07	73.05-140.45	0.00100U	0.70	26.42
Barium	0.111	mg/L	0.100	83.01	70.68-156.87	0.0279	4.60	20.91
Beryllium	0.0710	mg/L	0.100	71.03	89.27-154.67	0.000500U	1.98	22.45
Cadmium	0.0831	mg/L	0.100	83.06	76.87-137.80	0.00100U	1.62	24.42
Chromium	0.117	mg/L	0.100	117.41	67.91-144.29	0.00100U	3.29	26.93
Cobalt	0.110	mg/L	0.100	109.74	68.92-150.01	0.00100U	2.84	20.94
Copper	0.0994	mg/L	0.100	99.43	57.64-148.77	0.00100U	3.50	26.04
Lead	0.0911	mg/L	0.100	91.12	69.09-150.83	0.00100U	2.25	26.35
Nickel	0.107	mg/L	0.100	106.67	58.01-145.27	0.00100U	2.58	25.87
Selenium	0.0727	mg/L	0.100	72.71	63.72-144.34	0.00200U	3.65	23.19
Silver	0.0888	mg/L	0.100	88.85	48.94-146.79	0.000500U	7.92	25.78
Thallium	0.0912	mg/L	0.100	91.22	68.93-151.79	0.00100U	1.70	22.45
Vanadium	0.121	mg/L	0.100	120.78	72.08-149.74	0.00100U	3.57	21.04
Zinc	0.165	mg/L	0.100	87.01	51.79-149.89	0.0781	4.04	25.51

Quality Control Batch: 10253254

Analyst: PCW

Blank

	Result	Units
Unionized NH3(as N)	0.000100U	mg/L



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Quality Control Batch: 10253398

Analyst: PCW

Blank

	Result	Units
TOC	1.00U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
TOC	10.4	mg/L	10.0	104.31	80.00-120.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
TOC	10.6	mg/L	10.0	105.66	67.46-146.03	1.00U

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TOC	9.98	mg/L	10.0	99.82	67.46-146.03	1.00U	5.68	20.00

Quality Control Batch: 10253416

Analyst: MAC

Blank

	Result	Units
BOD5day	2.00U	mg/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
BOD5day	168	mg/L	198	84.70	84.50-115.40

Quality Control Batch: 10253448

Analyst: CLS

Blank

	Result	Units
Acetone	5.00U	ug/L
Acrylonitrile	0.300U	ug/L
Benzene	0.500U	ug/L
Bromochloromethane	0.100U	ug/L
Bromodichloromethane	0.100U	ug/L
Bromoform	0.500U	ug/L
Bromomethane	0.500U	ug/L
Carbon Disulfide	1.00U	ug/L



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Quality Control Batch: 10253448

Analyst: CLS

Blank	Result	Units
Carbon Tetrachloride	0.500U	ug/L
Chlorobenzene	0.500U	ug/L
Chloroethane	0.500U	ug/L
Chloroform	0.500U	ug/L
Chloromethane	0.500U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
Dibromochloromethane	0.400U	ug/L
Dibromomethane	0.500U	ug/L
Ethylbenzene	0.500U	ug/L
Methyl Iodide	1.00U	ug/L
Methyl isobutyl ketone	1.00U	ug/L
Methylene chloride	1.00U	ug/L
o-dichlorobenzene	0.500U	ug/L
Para-dichlorobenzene	0.500U	ug/L
Styrene	0.500U	ug/L
Tetrachloroethene	0.500U	ug/L
Toluene	0.500U	ug/L
trans-1,2-dichloroethene	0.500U	ug/L
trans-1,3,-Dichloropropene	0.500U	ug/L
trans-1,4-dichloro-2-butene	1.00U	ug/L
Trichloroethene	0.500U	ug/L
Trichlorofluoromethane	0.500U	ug/L
Vinyl Acetate	10.0U	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



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Quality Control Batch: 10253448**Analyst: CLS**

Blank	Result	Units
1,1,2-Trichloroethane	0.500U	ug/L
1,1-Dichloroethane	0.500U	ug/L
1,1-Dichloroethene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	31.5	ug/L
Surr:Toluene-d8	29.1	ug/L
Surr:1,2-Dichloroethane-d4	28.1	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acetone	11.5	ug/L	10.0	115.40	37.64-172.70
Acrylonitrile	10.7	ug/L	10.0	107.20	39.47-149.46
Benzene	11.3	ug/L	10.0	112.60	75.24-125.65
Bromochloromethane	11.6	ug/L	10.0	115.80	71.67-126.15
Bromodichloromethane	10.8	ug/L	10.0	107.80	74.61-125.27
Bromoform	10.6	ug/L	10.0	106.00	66.51-125.59
Bromomethane	11.6	ug/L	10.0	115.50	57.28-153.27
Carbon Disulfide	12.1	ug/L	10.0	121.10	81.01-141.09
Carbon Tetrachloride	10.5	ug/L	10.0	104.80	68.14-132.66
Chlorobenzene	11.5	ug/L	10.0	114.80	77.69-119.42
Chloroethane	10.9	ug/L	10.0	108.80	63.56-150.96
Chloroform	11.2	ug/L	10.0	111.90	67.64-138.63
Chloromethane	11.3	ug/L	10.0	112.60	55.12-156.31
cis-1,2-dichloroethene	11.4	ug/L	10.0	114.00	73.06-123.88
cis-1,3-Dichloropropene	11.0	ug/L	10.0	110.20	80.68-120.98
Dibromochloromethane	11.2	ug/L	10.0	112.00	65.65-126.41
Dibromomethane	11.1	ug/L	10.0	110.60	72.30-129.36



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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Jun 12, 2014
Jun 25, 2014; Invoice: 238442

Quality Control Batch: 10253448

Analyst: CLS

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Ethylbenzene	11.2	ug/L	10.0	111.50	70.93-123.57
Methyl Iodide	12.3	ug/L	10.0	122.80	54.93-164.95
Methyl isobutyl ketone	9.82	ug/L	10.0	98.20	37.93-142.74
Methylene chloride	12.6	ug/L	10.0	126.10	16.86-166.48
o-dichlorobenzene	10.8	ug/L	10.0	108.40	52.90-132.47
Para-dichlorobenzene	10.9	ug/L	10.0	108.50	50.96-133.39
Styrene	10.7	ug/L	10.0	107.00	71.72-114.32
Tetrachloroethene	12.6	ug/L	10.0	126.10	80.48-158.29
Toluene	11.4	ug/L	10.0	113.50	77.18-121.98
trans-1,2-dichloroethene	10.7	ug/L	10.0	107.30	68.03-139.74
trans-1,3,-Dichloropropene	11.3	ug/L	10.0	113.40	69.60-126.28
Trichloroethene	10.9	ug/L	10.0	108.80	75.98-128.22
Trichlorofluoromethane	9.50	ug/L	10.0	95.00	44.32-160.41
Vinyl chloride	9.50	ug/L	10.0	95.00	62.38-148.09
Xylenes	32.8	ug/L	30.0	109.33	73.15-120.44
1,1,1,2-Tetrachloroethane	10.8	ug/L	10.0	108.00	65.75-129.14
1,1,1-Trichloroethane	10.9	ug/L	10.0	108.90	71.54-134.27
1,1,2,2-Tetrachloroethane	11.6	ug/L	10.0	115.90	70.58-134.42
1,1,2-Trichloroethane	10.3	ug/L	10.0	102.50	78.94-122.62
1,1-Dichloroethane	11.3	ug/L	10.0	112.60	64.33-137.81
1,1-Dichloroethene	11.2	ug/L	10.0	111.60	58.65-144.80
1,2-dichloroethane	11.1	ug/L	10.0	110.50	70.20-131.56
1,2-dichloropropane	10.9	ug/L	10.0	108.70	70.79-128.96
2-Butanone (MEK)	7.05	ug/L	10.0	70.50	58.73-168.19
2-Hexanone	9.60	ug/L	10.0	96.00	61.33-136.93
Surr:Bromofluorobenzene	30.3	ug/L	30.0	100.97	70.00-123.15
Surr:Toluene-d8	29.6	ug/L	30.0	98.80	80.00-120.00
Surr:1,2-Dichloroethane-d4	29.0	ug/L	30.0	96.73	85.08-128.29



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Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	9.15	ug/L	20.0	45.75	40.10-159.52	5.00U
Acrylonitrile	19.0	ug/L	20.0	95.05	46.99-145.24	0.300U
Benzene	21.2	ug/L	20.0	106.10	61.27-139.58	0.500U
Bromochloromethane	20.7	ug/L	20.0	103.45	63.83-134.84	0.100U
Bromodichloromethane	21.0	ug/L	20.0	105.10	72.16-127.31	0.100U
Bromoform	20.9	ug/L	20.0	104.35	72.62-122.79	0.500U
Bromomethane	18.8	ug/L	20.0	93.90	39.13-160.98	0.500U
Carbon Tetrachloride	22.1	ug/L	20.0	110.55	62.14-139.48	0.500U
Chlorobenzene	20.7	ug/L	20.0	103.40	73.37-125.85	0.500U
Chloroethane	21.6	ug/L	20.0	107.85	63.53-147.18	0.500U
Chloroform	20.9	ug/L	20.0	104.60	57.73-145.87	0.500U
Chloromethane	19.9	ug/L	20.0	99.50	53.83-155.48	0.500U
cis-1,2-dichloroethene	21.2	ug/L	20.0	106.00	67.74-134.67	0.200U
cis-1,3-Dichloropropene	20.9	ug/L	20.0	104.30	72.35-130.46	0.500U
Dibromochloromethane	21.3	ug/L	20.0	106.50	69.54-125.33	0.400U
Dibromomethane	20.2	ug/L	20.0	101.20	68.14-132.53	0.500U
Ethylbenzene	21.4	ug/L	20.0	107.05	68.03-130.86	0.500U
Methyl Iodide	37.7	ug/L	20.0	188.40	44.68-170.45	1.00U
Methyl isobutyl ketone	18.6	ug/L	20.0	92.85	45.04-143.51	1.00U
Methylene chloride	19.7	ug/L	20.0	98.30	29.60-161.21	1.00U
o-dichlorobenzene	20.3	ug/L	20.0	101.60	66.77-127.02	0.500U
Para-dichlorobenzene	19.8	ug/L	20.0	98.75	65.38-125.99	0.500U
Styrene	20.4	ug/L	20.0	101.90	70.76-118.37	0.500U
Tetrachloroethene	18.7	ug/L	20.0	93.25	67.64-171.93	0.500U
Toluene	21.7	ug/L	20.0	108.50	65.14-135.51	0.500U
trans-1,2-dichloroethene	22.3	ug/L	20.0	111.30	68.02-136.55	0.500U
trans-1,3,-Dichloropropene	21.1	ug/L	20.0	105.50	70.04-129.81	0.500U
Trichloroethene	20.2	ug/L	20.0	101.10	71.89-132.31	0.500U
Trichlorofluoromethane	19.0	ug/L	20.0	94.80	44.48-169.12	0.500U
Vinyl chloride	18.7	ug/L	20.0	93.35	58.87-147.20	0.500U



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Jun 25, 2014; Invoice: 238442

Quality Control Batch: 10253448

Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Xylenes	62.4	ug/L	60.0	103.98	60.84-135.66	1.00U
1,1,1,2-Tetrachloroethane	20.8	ug/L	20.0	103.80	62.33-135.40	0.500U
1,1,1-Trichloroethane	21.8	ug/L	20.0	109.10	65.25-139.87	0.500U
1,1,2,2-Tetrachloroethane	21.5	ug/L	20.0	107.40	66.18-136.57	0.100U
1,1,2-Trichloroethane	19.4	ug/L	20.0	96.75	74.00-129.28	0.500U
1,1-Dichloroethane	21.6	ug/L	20.0	107.95	60.45-145.88	0.500U
1,1-Dichloroethene	22.6	ug/L	20.0	112.85	48.95-154.90	0.500U
1,2-dichloroethane	20.5	ug/L	20.0	102.60	63.54-140.44	0.500U
1,2-dichloropropane	20.2	ug/L	20.0	101.15	69.00-134.27	0.200U
2-Butanone (MEK)	8.52	ug/L	20.0	42.60	74.66-142.29	0.500U
2-Hexanone	12.1	ug/L	20.0	60.30	59.08-147.93	0.500U
Surr:Bromofluorobenzene	30.1	ug/L	30.0	100.47	50.75-155.35	
Surr:Toluene-d8	29.5	ug/L	30.0	98.27	90.53-109.14	
Surr:1,2-Dichloroethane-d4	28.8	ug/L	30.0	95.97	82.85-121.80	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	10.9	ug/L	20.0	54.35	40.10-159.52	5.00U	17.18	38.61
Acrylonitrile	20.1	ug/L	20.0	100.70	46.99-145.24	0.300U	5.77	36.26
Benzene	22.9	ug/L	20.0	114.55	61.27-139.58	0.500U	7.66	25.12
Bromochloromethane	22.7	ug/L	20.0	113.40	63.83-134.84	0.100U	9.18	26.51
Bromodichloromethane	22.2	ug/L	20.0	111.05	72.16-127.31	0.100U	5.51	25.17
Bromoform	21.4	ug/L	20.0	107.20	72.62-122.79	0.500U	2.69	29.13
Bromomethane	21.4	ug/L	20.0	106.85	39.13-160.98	0.500U	12.90	28.42
Carbon Tetrachloride	24.0	ug/L	20.0	119.90	62.14-139.48	0.500U	8.11	27.85
Chlorobenzene	22.3	ug/L	20.0	111.40	73.37-125.85	0.500U	7.45	27.33
Chloroethane	23.1	ug/L	20.0	115.60	63.53-147.18	0.500U	6.94	35.69
Chloroform	22.2	ug/L	20.0	111.20	57.73-145.87	0.500U	6.12	28.80
Chloromethane	20.9	ug/L	20.0	104.65	53.83-155.48	0.500U	5.05	29.46
cis-1,2-dichloroethene	22.6	ug/L	20.0	113.20	67.74-134.67	0.200U	6.57	28.79



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Quality Control Batch: 10253448

Analyst: CLS

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
cis-1,3-Dichloropropene	22.1	ug/L	20.0	110.45	72.35-130.46	0.500U	5.73	25.83
Dibromochloromethane	22.6	ug/L	20.0	113.20	69.54-125.33	0.400U	6.10	28.11
Dibromomethane	21.6	ug/L	20.0	108.15	68.14-132.53	0.500U	6.64	23.67
Ethylbenzene	22.9	ug/L	20.0	114.45	68.03-130.86	0.500U	6.68	25.52
Methyl Iodide	49.5	ug/L	20.0	247.40	44.68-170.45	1.00U	27.08	27.56
Methyl isobutyl ketone	19.2	ug/L	20.0	95.75	45.04-143.51	1.00U	3.08	22.66
Methylene chloride	21.2	ug/L	20.0	106.15	29.60-161.21	1.00U	7.68	33.74
o-dichlorobenzene	20.8	ug/L	20.0	104.10	66.77-127.02	0.500U	2.43	28.62
Para-dichlorobenzene	21.0	ug/L	20.0	104.75	65.38-125.99	0.500U	5.90	27.08
Styrene	22.3	ug/L	20.0	111.40	70.76-118.37	0.500U	8.91	28.56
Tetrachloroethene	19.4	ug/L	20.0	97.05	67.64-171.93	0.500U	3.99	32.62
Toluene	23.4	ug/L	20.0	116.85	65.14-135.51	0.500U	7.41	23.01
trans-1,2-dichloroethene	24.1	ug/L	20.0	120.65	68.02-136.55	0.500U	8.06	29.38
trans-1,3,-Dichloropropene	22.1	ug/L	20.0	110.70	70.04-129.81	0.500U	4.81	30.36
Trichloroethene	22.4	ug/L	20.0	111.85	71.89-132.31	0.500U	10.10	25.29
Trichlorofluoromethane	21.1	ug/L	20.0	105.50	44.48-169.12	0.500U	10.68	34.97
Vinyl chloride	20.5	ug/L	20.0	102.65	58.87-147.20	0.500U	9.49	27.28
Xylenes	66.8	ug/L	60.0	111.30	60.84-135.66	1.00U	6.80	24.37
1,1,1,2-Tetrachloroethane	22.1	ug/L	20.0	110.55	62.33-135.40	0.500U	6.30	29.26
1,1,1-Trichloroethane	23.6	ug/L	20.0	118.10	65.25-139.87	0.500U	7.92	28.50
1,1,2,2-Tetrachloroethane	22.3	ug/L	20.0	111.25	66.18-136.57	0.100U	3.52	30.72
1,1,2-Trichloroethane	20.6	ug/L	20.0	103.00	74.00-129.28	0.500U	6.26	27.63
1,1-Dichloroethane	23.2	ug/L	20.0	116.20	60.45-145.88	0.500U	7.36	28.39
1,1-Dichloroethene	24.3	ug/L	20.0	121.40	48.95-154.90	0.500U	7.30	29.91
1,2-dichloroethane	21.9	ug/L	20.0	109.25	63.54-140.44	0.500U	6.28	26.67
1,2-dichloropropane	21.8	ug/L	20.0	108.95	69.00-134.27	0.200U	7.43	28.05
2-Butanone (MEK)	8.63	ug/L	20.0	43.15	74.66-142.29	0.500U	1.28	44.82
2-Hexanone	12.4	ug/L	20.0	62.00	59.08-147.93	0.500U	2.78	36.47
Surr:Bromofluorobenzene	30.3	ug/L	30.0	100.90	50.75-155.35		0.43	19.49



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Jun 25, 2014; Invoice: 238442

Quality Control Batch: 10253448**Analyst: CLS****Matrix Spike Duplicate**

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Surr:Toluene-d8	29.4	ug/L	30.0	97.93	90.53-109.14		0.34	8.07
Surr:1,2-Dichloroethane-d4	28.3	ug/L	30.0	94.23	82.85-121.80		1.82	9.34

Quality Control Batch: 10253534**Analyst: DLJ****Blank**

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

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
1,2,3-Trichloropropane	0.303	ug/L	0.250	121.17	80.00-120.00
1,2-Dibromoethane (EDB)	0.298	ug/L	0.250	119.20	80.00-120.00
1,2-dibromo-3-chloropropane	0.280	ug/L	0.250	111.91	80.00-120.00

Matrix Spike

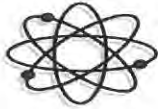
	Result	Units	Spike	%REC	%REC Lim	Sample
1,2,3-Trichloropropane	0.200	ug/L	0.250	80.00	80.00-120.00	0.0200U
1,2-Dibromoethane (EDB)	0.238	ug/L	0.250	95.25	80.00-120.00	0.0100U
1,2-dibromo-3-chloropropane	0.228	ug/L	0.250	91.27	80.00-120.00	0.0200U

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2,3-Trichloropropane	0.291	ug/L	0.250	116.49	80.00-120.00	0.0200U	37.14	20.00
1,2-Dibromoethane (EDB)	0.304	ug/L	0.250	121.77	80.00-120.00	0.0100U	24.43	20.00
1,2-dibromo-3-chloropropane	0.261	ug/L	0.250	104.28	80.00-120.00	0.0200U	13.30	20.00

Quality Control Batch: 10253689**Analyst: TRB****Blank**

	Result	Units
Chlorophyll a	1.00U	mg/m3



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Narrative Report

Sample Handling

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

Quality Control

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

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
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.
W	The dissolved oxygen blank was above .02 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Check Box That Applies To Your Location

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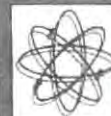
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Client ATKINS - TAMPA	Project Name HARDEE COUNTY LANDFILL	P.O. #
Address	Client Contact BRAD BAYNE	FAX
	FCL Project Manager	E-MAIL
Phone	Requested Due Date 10 Day Standard OR <input type="text"/>	Rush Charges May Apply
Sampled By (PRINT): RAYMUNDO CASTRO	Pick-Up Fee \$ <input type="text"/>	Vehicle Surcharge \$ <input type="text"/>
Sampler Signature <i>Raymundo Castro</i>		Sampling Fee \$ <input type="text"/>

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	PRESERVATIVES					ANALYSES REQUEST	COMMENTS	Total # Containers
						NONE	H ₂ SO ₄	HNO ₃	HCl	Na ₂ S ₂ O ₃			
1	SW-2	6/12/14	13:51	SW	238441						QUICKLIST-SEE ATTACHED	1.7°C	
2	Trip Blank	"	"		238439SW1								
3					238442SW2								
4													
5													
6													
7													
8													
9													
10													

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
						Raymundo Castro	6/12/14	16:25	Flowers	6/12/14	16:25

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy

KIT REQUEST FORM

Altamonte Springs, FL 32701

Phone (407) 339-5984 Fax (407) 260-6110

FCL	Project Manager:	June Flowers
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Total Containers	PARAMETERS	Containers per Sample	Matrix	Preservative										Plastic					Glass Containers									
				Me tals H a n d l e d i n g	N H 3 O 2	Zn (C2 H3 O2) / N a O H	N a 2 S O 4	H a s k a c i d	N a O H / A s c i d	Mn SO4/ ALK A Z I D E	H C L	N H 4 C L	125 mL	250 mL	250 mL	500 mL	1 L	whirl Pak	Corr Bottle	40 mL vial	125 mL	250 mL	1 L	1 L	4 L	4 oz Soil	8 oz Soil	300 mL BOD Bottle
	Use Quicklist "LandfillSurface Water"																											
1	Metals+Hard	1	SW	X									X															
3	App I 8260	3	SW								X						X											
1	Fecal Col	1	SW													X												
1	Un-ion NH3/TN/TP/COD	1	SW				X						X															
1	TDS,TSS	1	SW											X														
1	BOD,NO3	1	SW											X														
1	Chlorophyll a	1	SW																	X								
3	EPA8011	3	SW														X											
1	TOC	1	SW				X										X											

Ship To:

Client #

Atkins

ATTN: Ray Castro

Date Ordered:

05/30/14

Extra Coolers: ☐ (L) ☐ (M) ☐ (S)

Trip Blanks: ☒ 1 w/HCl ☐ w/o HCl

Custody Chain: ☒ 1 Env. ☐ DW

Temp Blank: ☐ Bailers: ☐

Special Notes:

Use Quicklist "LandfillSurface Water"

No Headspace in vials

Fecal Holdtime 6 hours!

Date to be Shipped:

Date Needed:

06/06/14

☐ Customer Pick Up:

Date: Time

SHIPPING METHOD

☐ STD. DHL ☐ DHL Next Day

☐ Fed-Ex Flowers Account

☐ Fed-Ex Client Account #

☐ Other:

Project: HardeeLandfill

Location: Surface Water

Sampling Dates:

Cooler ID

Hg, Fe,Al,Hardness is in qu

SAMPLE KIT ID:

Return this with C

Thank You for Your Business