

October 31, 2014

Mr. Clark Moore
Environmental Specialist III WACS Data Base
Florida Department of Environmental Protection (FDEP)
2600 Blair Stone Road MS 4565
Tallahassee, Florida 32399

Subject: J.E.D. Solid Waste Disposal Facility
Abandonment and Replacement Water Quality Monitoring Wells MW-17R, 24, 25, 26
Progressive Waste Solutions of FL, Inc.
1501 Omni Way
St. Cloud, Florida
WACS Facility ID 89544

Dear Mr. Moore:

On behalf of Omni Waste of Osceola County, LLC (Omni), Weibu, LLC (Weibu) has prepared this report to the Florida Department of Environmental Protection (FDEP) summarizing the results of the initial water quality monitoring event performed at the J.E.D. Solid Waste Management Facility (JED) for monitoring well clusters MW-17R (A&B), MW-24 (A&B), MW-25 (A&B), and MW-26 (A&B). The results for this initial water quality monitoring event are provided in accordance with Rule 62-701.510(6)(b) of the Florida Administrative Code (FAC) and conditions of the facility's Monitoring Plan Implementation Schedule (MPIS), dated January 23, 2014, and Operating Permit Number SO49-0199726-022.

Should you have any questions or comments regarding activities completed as part of the plugging, abandonment and replacement of select monitor well clusters, please contact Mr. Mike Kaiser at (904) 673-0446, michael.kaiser@progressivewaste.com or the undersigned at (813) 468-7553.

Sincerely,



Weibu, LLC
Donald Thompson, PG (1946)

Attachment

cc: Mike Kaiser, PE Progressive Waste Solutions of FL, Inc.
Joe Terry, Progressive Waste Solutions

October 31, 2014

Mr. F. Thomas Lubozynski, P.E.
Waste & Air Resource Programs Administrator
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Subject: J.E.D. Solid Waste Management Facility
Initial Water Quality Monitoring Event for MW-17R (A&B), MW-24 (A&B), MW-25 (A&B),
and MW-26 (A&B)
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, Florida
WACS Facility ID 89544

Dear Mr. Lubozynski:

On behalf of Omni Waste of Osceola County, LLC (Omni), Weibu, LLC (Weibu) has prepared this report to the Florida Department of Environmental Protection (FDEP) summarizing the results of the initial water quality monitoring event performed at the J.E.D. Solid Waste Management Facility (JED) for monitoring well clusters MW-17R (A&B), MW-24 (A&B), MW-25 (A&B), and MW-26 (A&B). The results for this initial water quality monitoring event are provided in accordance with Rule 62-701.510(6)(b) of the Florida Administrative Code (FAC) and conditions of the facility's Monitoring Plan Implementation Schedule (MPIS), dated January 23, 2014, and Operating Permit Number SO49-0199726-022. The remainder of this report includes: (i) project background; (ii) monitoring well sampling information; (iii) sample analyses; (iv) summary of the analytical results; and (v) closure.

Project Background

Omni recently completed construction of the Phase 4 Stormwater Management System and Cell 10 disposal area as authorized by facility permits. New well clusters MW-24, MW-25 and MW-26 were installed on the Phase 4 Stormwater Management System berm and replacement well cluster MW-17R was installed at a permanent location near the Cell 10 sump area.

The horizontal and vertical location(s) of the newly completed monitor well clusters were surveyed by Peavey and Associates on July 17, 2014. Table 1 shows a summary of the survey data and groundwater elevations for each well and locations are shown on Figure 1.

Monitoring Well Sampling

Low-flow sampling techniques were utilized as part of this groundwater quality sampling and data collection event. All field activities were completed in conformance with the current applicable FDEP Standard Operating Procedures (DEP-SOP-001-01, December 2008) for groundwater sampling. The Groundwater Monitoring Report Form 62-701.900(31) is presented in Appendix A.

During the purging process, a YSI 556 water quality meter equipped with a flow-through cell was used to monitor the following field parameters: pH; temperature; field conductivity; oxidation-reduction potential (ORP); and dissolved oxygen. Turbidity levels were measured using a LaMotte 2020e turbidity meter. Field parameters were recorded on sample collection forms, which are contained in Appendix B. Observations pertaining to the color of the groundwater samples collected were also noted on the sample collection forms. When the field parameters stabilized within the acceptable tolerances required by the FDEP SOP, well purging was considered complete and groundwater samples were collected.

Turbidity Issues

As with previous well purging and sampling activities, including sampling of monitoring wells as part of the initial site development, formation materials encountered were generally described as fine to silty-fine in texture. These formation materials consist primarily of a brown to dark brown, fine, silty-sand that generally fine downward. As a result, fine-grained and colloidal material are able to pass through the sand filter pack as well as, the well screens that are constructed using the smallest commercially available screen slot size (0.006 in.).

It is typical on this site for newly installed wells, particularly in the B-zone and C-zone (ie., deeper screen interval zones) to have turbidity values in excess of the 20 nephelometric turbidity unit (NTU) criterion even after extended well development and removal of multiple well volumes. This issue has been reported and noted in all of the previous water quality monitoring reports and will likely continue as the monitoring network is expanded in accordance with the MPIS.

During the initial well development of the newly installed site monitor wells cumulative purge volumes varied from 60 to approximately 500-gallons. The lowest cumulative well development and purge volumes were noted in the shallow, A-Zone wells. This was not unexpected since, formation materials encountered during drilling were described as fining downward. Therefore, the potential for extremely fine grained and colloidal materials entering the well screen are increased with depth of well completion. An extreme example of this phenomenon was noted in MW-26B which had nearly 500-gallons of water initially developed from the well prior to sampling. The final measured turbidity during development was noted as 200-NTU (Figure 2). Furthermore, an additional 90-gallons of water was purged from the well location during water-quality sampling with a final measured turbidity of 300-NTU. This behavior was noted in all of the newly installed monitoring wells. The least problematic wells as it relates to turbidity issues were noted as MW-17AR and MW-24A. As with previous sampling events, turbidity levels will likely decrease in the remaining wells as additional volumes are pumped to acquire samples. It is likely that multiple sampling and purging events will be needed to fully develop the screen and filter pack within the deeper zone wells. A scaled dot-plot was developed to provide a graphic comparison of turbidity measurements of current and previous water quality monitoring events (Figure 3). These data

compare favorably and further suggest that a general decrease in turbidity levels will occur during subsequent water quality sampling and monitoring events.

Monitor wells were sampled using two primary pumping methods and pump types which included; a stainless steel bodied submersible pump and a standard peristaltic pump. The submersible pump was decontaminated between well locations using a series of cleaning agents and steps to ensure sample integrity. In addition, down-hole tubing was changed after the collection of water samples in individual wells to ensure sample and data integrity. Monitor well cluster MW-17R was purged and sampled using a stainless steel submersible pump, all sample aliquots were filled directly from the down-well tubing. All remaining wells were purged and sampled using a peristaltic pump, with sample aliquots filled consistent with DEP-SOP-001-01.

The calibration of the water quality monitoring instruments was checked prior to commencing monitoring activities and at the completion of the sampling event. Water quality instrument calibration forms are presented in Appendix C. Samples were placed in coolers and packed with bagged ice for transport to the analytical laboratory. Chain-of-Custody (COC) forms were completed and accompanied the samples to the analytical laboratory. All COC forms are included in Appendix D. Trip blank samples accompanied all sample coolers with VOC samples. Temperature blanks were packed in each sample cooler and security seals were affixed to every cooler shipped.

Sample Analysis

Samples were analyzed by ALS Group USA (fka Columbia Analytical Services, Inc. of Jacksonville, Florida) [ALS] in accordance with the National Environmental Laboratory Accreditation Conference (NELAC) standards. ALS holds certification from the Florida Department of Health (FDOH) for the analytical test methods used for this project and is certified in the State of Florida for analysis of environmental samples.

Groundwater samples were analyzed for total ammonia as nitrogen, chlorides, nitrate, total dissolved solids (TDS), iron, mercury, sodium, and the parameters listed in 40 CFR Part 258 Appendix I and Appendix II. Other required parameters (i.e., pH, temperature, conductivity, turbidity, ORP, and dissolved oxygen) were measured in the field during collection of the groundwater samples.

Summary of Analytical Results

All analytical results collected as part of this initial water-quality sampling event are presented in Appendix E. Table 2 summarizes the parameters with detections above the method reporting limits. Any parameters exceeding the groundwater cleanup target levels (GCTL) or secondary drinking water standards (SDWS) are highlighted green (in Table 2) and are discussed below;

- pH - The groundwater pH was below the SDWS of 6.5 to 8.5 (standard units) in eight of the monitoring wells. The reported values ranged from 4.94 to 5.49. The groundwater pH values measured at the site have historically been below the SDWS lower limit of 6.5 standard units. Interestingly enough, reported values of the chemical composition of precipitation from a statewide network yielded an average value of pH of 4.77 (Table 3-Florida Geological Survey-Special Publication No. 34, 1992). These data clearly suggest that the pH excursions are likely a reflection of precipitation and indicate no impacts from landfill operations.
- Iron – The GCTL for iron (300 µg/L) was exceeded in nearly all of the samples collected from the newly installed wells. The highest concentration was reported in MW-25A and was noted at 5,900 ug/L with the lowest concentration noted in MW-17AR at 280 ug/L. The cause of elevated iron concentrations is most likely a consequence of the oxidation-reduction conditions in the aquifer that results in an increase in the more soluble (ferrous) iron concentrations. The source of the iron is likely naturally occurring and is a common occurrence throughout much of the State of Florida and has been reported as part of efforts to characterize background water quality for the surficial aquifer system (SAS). Statewide, 75% of the wells sampled as part of the background water quality monitoring efforts indicated exceedances in the iron above the GCTL. Furthermore, the median of reported value of total iron concentration as noted in 376 samples collected as part of the background monitoring program for the SAS was 880 ug/L (Table 14- Florida Geological Survey-Special Publication No. 34, 1992).

Groundwater excursions identified as part of this initial water quality sampling event do not indicate any impact from landfill operations. The results correspond well with previous sampling events as required by the current Permit and MPIS. Noting that turbidity issues have been identified and discussed in detail as to their cause and eventual mitigation and exceedances of select analytes which have been noted throughout the period-of-record for groundwater quality.

Specific discussions in regards to remaining analytes as contained in the 40 CFR Part 258 Appendix I and Appendix II lists were not completed since, there were no reported detections above applicable GCTL or significant detections above the individual method reporting limits. A comprehensive list of analytical laboratory results are included in Appendix E which included:

- Volatile Organic Compounds by EPA Method 8260B;
- Semivolatile Organic Compounds by EPA Method 8270C;
- Base Neutral Semivolatile Organic Compounds by EPA Method 8270C SIM;
- Select Pesticides and Halomethanes by EPA Method 8011;
- Organochlorine Pesticides by EPA Method 8081A;



- Polychlorinated Biphenyls (PCBs) by EPA Method 8082;
- Inorganics by EPA Methods 6010B/6020 and 7470A; and,
- General Chemistry parameters EPA Methods 300/335.4/350.1, SM 2540C, and SM 4500-S2-F.

Closure

The initial water quality monitoring results for recently completed wells included in the Phase IV expansion area are provided in accordance with the permit and FAC. Should you have comments or questions regarding the information presented in this report, please contact Mr. Mike Kaiser at (904) 673-0446, michael.kaiser@progressivewaste.com or the undersigned at (813) 468-7553.

Sincerely,

Weibu, LLC
Donald Thompson, PG (1946)

A handwritten signature in blue ink, appearing to read 'Don' or 'Donald', written over a light blue horizontal line.

Attachments

cc: Joe Terry, Progressive Waste Solutions of FL, Inc.
Kirk Wills, Progressive Waste Solutions of FL, Inc.

Tables

Table 1

**SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS
INITIAL WATER QUALITY MONITORING EVENT FOR WELL CLUSTER MW-22R
J.E.D. SOLID WASTE MANAGEMENT FACILITY
ST CLOUD, OSCEOLA COUNTY, FLORIDA**

Well Designation	Latitude ¹ (NAD 1983)	Longitude ¹ (NAD 1983)	WACS ID	Date Installed	Top of Casing Elevation ² (ft)	Total Depth (feet BTOC ³)	Screen Setting				Sand Pack (feet BTOC)	Fine-Grained Sand Seal (feet BTOC)	Depth to Water (feet BTOC) ⁴	Groundwater Elevation (NGVD 1929)
							(feet BTOC)		(feet Elevation)					
							Top	Bottom	Top	Bottom				
MW-17AR	28° 03'42.3"	81° 05'35.2"	22345	6/19/2014	94.84	24	13.5	23.5	81.34	71.34	12.5	11.5	14.76	80.08
MW-17BR	28° 03'42.2"	81° 05'35.2"	22346	6/19/2014	94.78	48.5	38.0	48.0	56.8	46.8	37.0	36.0	14.51	80.27
MW-24A	28° 03'26.5"	81° 05'58.5"	29170	6/18/2014	86.99	23.5	13.0	23.0	74.0	64.0	12.0	11.0	5.65	81.34
MW-24B	28° 03'26.5	81° 05'58.5"	29171	6/18/2014	87.05	43.5	33.0	43.0	54.1	44.1	32.0	31.0	5.65	81.4
MW-25A	28° 03'26.6"	81° 05'42.6"	29173	6/18/2014	86.99	23.5	13.0	23.0	74.0	64.0	12.0	11.0	6.46	80.53
MW-25B	28° 03'26.6"	81° 05'42.7"	29174	6/18/2014	86.67	41.5	31.0	41.0	55.7	45.7	30.0	29.0	6.15	80.52
MW-26A	28° 03'26.9"	81° 05'25.9"	29176	6/19/2014	87.06	23.5	13.0	23.0	74.1	64.1	12.0	11.0	7.18	79.88
MW-26B	28° 03'27.0"	81° 05'25.9"	29177	6/19/2014	86.83	43	32.5	42.5	54.3	44.3	31.5	30.5	7.23	79.6

Notes:

¹Latitude and Longitude coordinates were surveyed by Peavey & Associates on April 4, 2012 and based on North American Datum (NAD) of 1983, 2007 adjustment

²Top of Casing (TOC) elevations were surveyed by Peavey & Associates on July 17, 2014 and based on National Geodetic Vertical Datum (NGVD) of 1929

³BTOC = Below Top of Casing

⁴Groundwater levels were measured on July 10, 2014

Figures

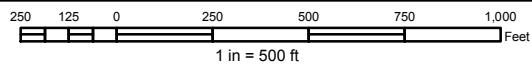


Legend

- Plugged and Abandoned Monitor Well Clusters (A,B,C Zones)
- ⊗ Monitor Well Cluster Locations/Phase IV Construction
- ⊕ Monitor Well Cluster Locations

Notes:

Aerial Images Acquired from LABINS (2011)
 WACS FACILITY ID 89544
 Monitoring well clusters MW-16 and MW-20 were abandoned; however, a replacement cluster MW-16 was re-installed approximately 8-ft north and east from the previous location.



Site Well Locations and Designations

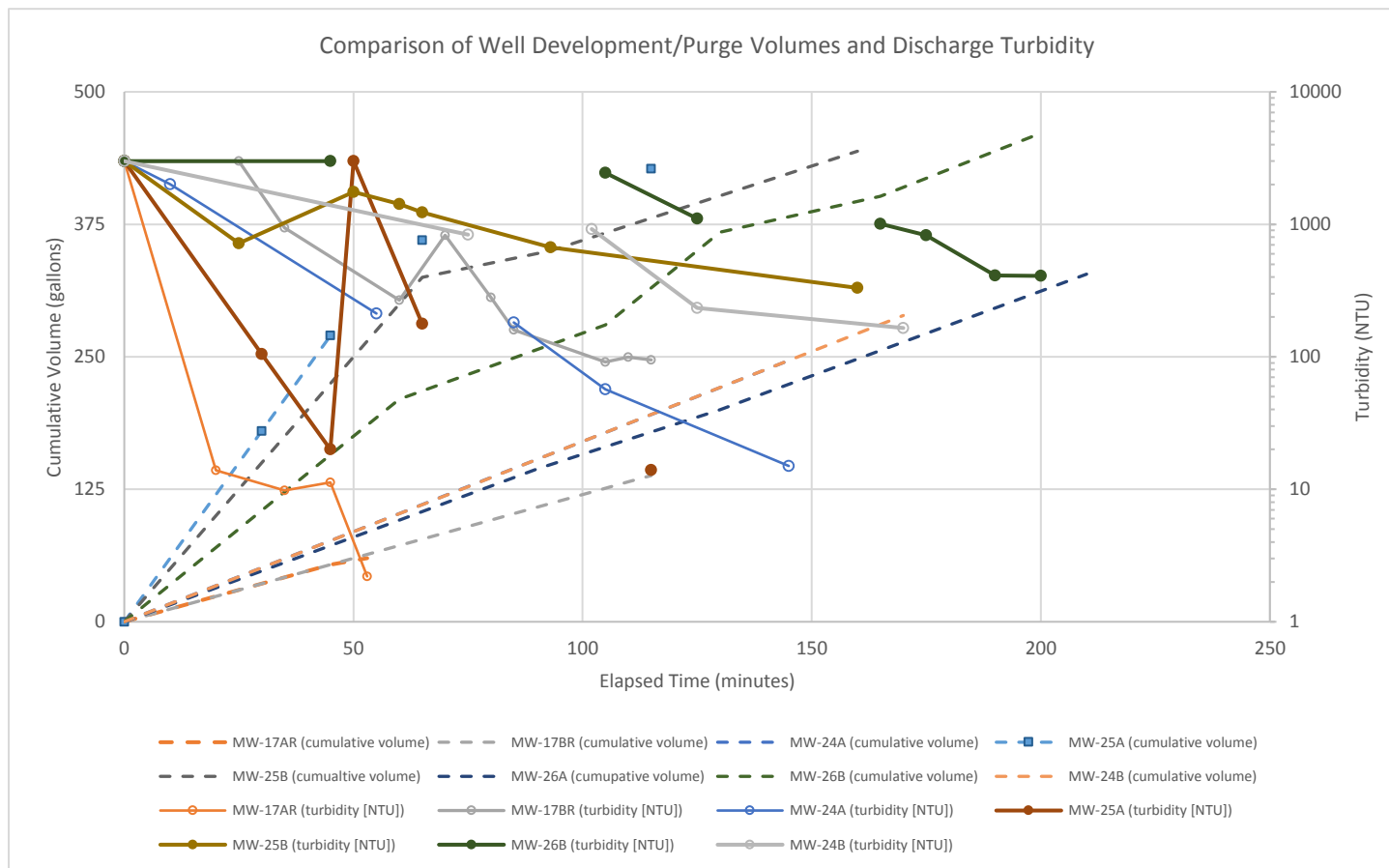
PROGRESSIVE WASTE SOLUTIONS
 J.E.D. SOLID WASTE DISPOSAL FACILITY
 1501 OMNI WAY
 ST. CLOUD, FLORIDA



Tampa, Florida

Figure

1



Tampa, Florida

FIGURE NO.	2
PROJECT NO.	
DATE	Sep-14
FILE NO.	JED

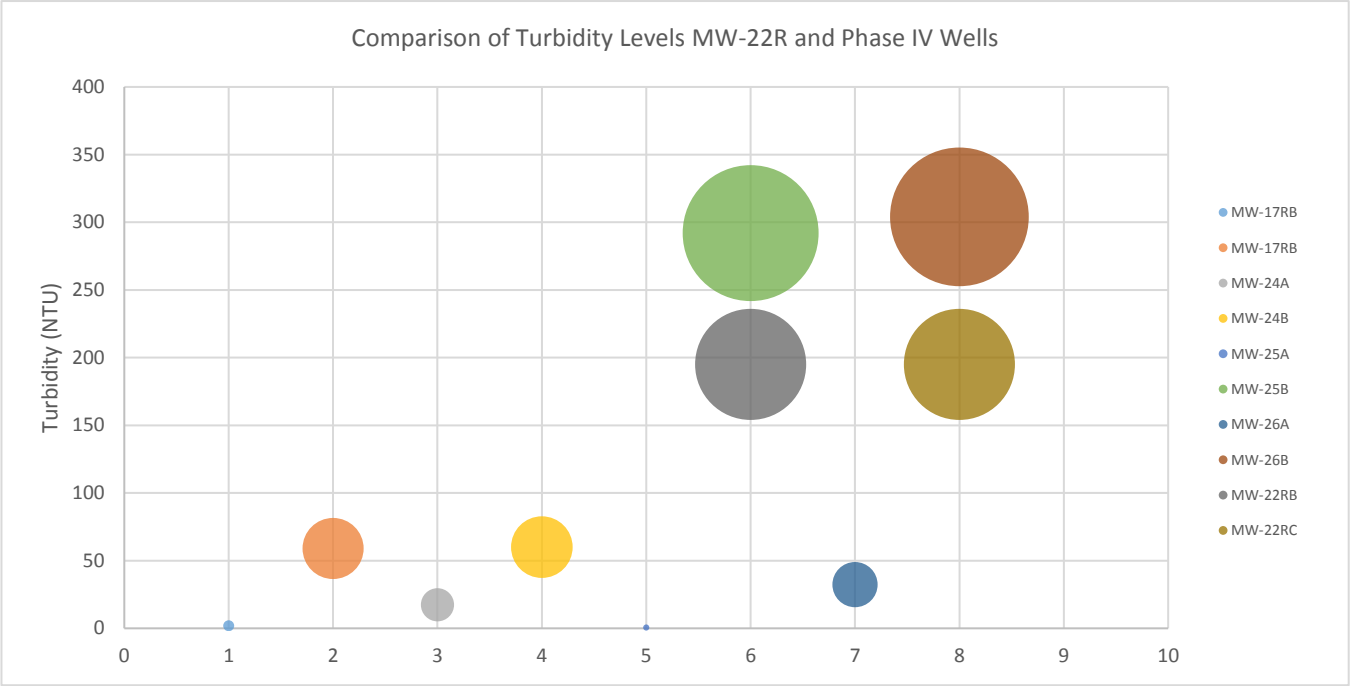


FIGURE NO.	3
PROJECT NO.	
DATE	Sep-14
FILE NO.	JED

Appendix A.
Water Quality Monitoring Certification
FDEP Form 72-701.900(31)



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.

Form Title: Water Quality Monitoring Certification

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

- (1) Facility Name J.E.D. Solid Waste Management Facility
Address 1501 Omni Way
City Saint Cloud Zip 34773 County Osceola
Telephone Number (407) 891-3720
- (2) WACS Facility ID 89544
- (3) DEP Permit Number SC49-0199726-017 & SO49-0199726-022
- (4) Authorized Representative's Name Mike Kaiser Title Southeast Region Engineer
Address 1099 Miller Drive
City Altamonte Springs Zip 32701 County Seminole
Telephone Number (904) 673-0446
Email address (if available) michael.kaiser@progressivewaste.com

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 submission of false information including the possibility of fine and imprisonment.

9/23/14

(Date)

(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

- Sampling Organization Progressive Waste Solutions of FL, Inc.
- Analytical Lab NELAC / HRS Certification # E82506
- Lab Name ALS Group USA
- Address 9143 Philips Highway, Suite 200 Jacksonville, Florida 32256
- Phone Number (904) 739-2277
- Email address (if available) Craig.Myers@alsglobal.com

Appendix B.
Field Sampling Logs

Form FD 9000-24

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-17AR	SAMPLE ID: MW-17AR	DATE: July 10, 2014	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / WSP PWSR				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 0810		SAMPLING ENDED AT: 0820	
PUMP OR TUBING DEPTH IN WELL (feet): 70				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <u>(N)</u> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Yes TUBING No (replaced)						DUPLICATE: No				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
mw-17AR	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100	
<i>[Arrow pointing down]</i>	3	CG	40mL	None	None		8011	ESP	<100	
	1	PE	500mL	HNO ₃	Prefilled by lab		Metals	ESP	400	
	1	PE	125mL	H ₂ SO ₄	Prefilled by lab		NH ₃	ESP	400	
mw-17AK	1	PE	500mL	None	None		TDS, Cl, NO ₃	ESP	400	
REMARKS: weather: Clear, 80°F										
Odor: none Initial turbidity: 124 NTU										
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:** $\pm 5\%$ **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

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-17BR	SAMPLE ID: MW-17BR	DATE: July 10, 2014	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / WST PWSFL	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>						SAMPLING INITIATED AT: 0845	SAMPLING ENDED AT: 0857	
PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: PE				FIELD-FILTERED: Y N Filtration Equipment Type:			FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Yes TUBING No (replaced)					DUPLICATE: No				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
NW-17BR	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100
	3	CG	40mL	None	None		8011	ESP	<100
	1	PE	500mL	HNO ₃	Prefilled by lab		Metals	ESP	450
	1	PE	125mL	H ₂ SO ₄	Prefilled by lab		NH ₃	ESP	450
NW-17BR	1	PE	500mL	None	None		TDS, Cl, NO ₃	ESP	450
REMARKS: weather: Clear, 80°F									
Odor: sulfur-like Initial turbidity: 114 NTU									
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:** $\pm 5\%$ **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

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-24A		SAMPLE ID: MW-24A	
		DATE: July 7, 2014	

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 5.65	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)				
$= (23.46 \text{ feet} - 5.65 \text{ feet}) \times 0.16 \text{ gallons/foot} = 2.8 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
$= 0.0 \text{ gallons} + (0.0026 \text{ gallons/foot} \times 55 \text{ feet}) + 0.12 \text{ gallons} = 0.3 \text{ gallons}$				

[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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
mw-244	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO ₃	Prefilled by lab		Metals	APP	350
	1	PE	125mL	H ₂ SO ₄	Prefilled by lab		NH ₃	APP	350
	1	PE	500mL	None	None		TDS, Cl, NO ₃	APP	350
	1	PE	250mL	NaOH	Prefilled by lab		Cyanide	APP	350
	1	PE	250mL	NaOH & ZnAc	Prefilled by lab		Sulfide	APP	350
	7	AG	1000mL	None	None		8270,8081,8082,8151	APP	350
mw-244	3	CG	40mL	None	None		505	RFPP	<100

REMARKS: weather: m. cloudy, 92°F

Odor: none Initial turbidity: 21 NTU

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:** $\pm 5\%$ **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

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-24B		SAMPLE ID: MW-24B	
		DATE: July 7, 2014	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / WSP PWSFL				SAMPLER(S) SIGNATURE(S): <i>Joe Terry</i>			SAMPLING INITIATED AT: 1445		SAMPLING ENDED AT: 1520		
PUMP OR TUBING DEPTH IN WELL (feet): 38				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <u>N</u> Filtration Equipment Type:		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Yes				TUBING No (replaced)				DUPLICATE: No			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-24B	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100		
	3	CG	40mL	None	None		8011	ESP	<100		
	1	PE	500mL	HNO ₃	Prefilled by lab		Metals	ESP	425		
	1	PE	125mL	H ₂ SO ₄	Prefilled by lab		NH ₃	ESP	425		
	1	PE	500mL	None	None		TDS, Cl, NO ₃	ESP	425		
	1	PE	250mL	NaOH	Prefilled by lab		Cyanide	ESP	425		
	1	PE	250mL	NaOH & ZnAc	Prefilled by lab		Sulfide	ESP	425		
MW-24B	8 T	AG	1000mL	None	None		8270,8081,8082,8151	ESP	425		
REMARKS: weather: m. cloudy, 92°F											
Odor: none											
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:** $\pm 5\%$ **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

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-25A		SAMPLE ID: MW-25A	
		DATE: July 9 2014	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / PWSFL Son Lake PWSFL				SAMPLER(S) SIGNATURE(S): <i>Joe Terry</i>			SAMPLING INITIATED AT: 1200		SAMPLING ENDED AT: 1245	
PUMP OR TUBING DEPTH IN WELL (feet): 18				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <u>N</u> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP NA TUBING No (replaced)						DUPLICATE: No				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-25A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100	
	3	CG	40mL	None	None		8011	RFPP	<100	
	1	PE	500mL	HNO ₃	Prefilled by lab		Metals	APP	500	
	1	PE	125mL	H ₂ SO ₄	Prefilled by lab		NH ₃	APP	500	
	1	PE	500mL	None	None		TDS, Cl, NO ₃	APP	500	
	1	PE	250mL	NaOH	Prefilled by lab		Cyanide	APP	500	
	1	PE	250mL	NaOH & ZnAc	Prefilled by lab		Sulfide	APP	500	
	7	AG	1000mL	None	None		8270,8081,8082,8151	APP	500	
MW-25A	3	CG	40mL	None	None		505	RFPP	<100	
REMARKS: weather: clear, 80°F										
Odor: none Initial turbidity: clear										
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:** $\pm 5\%$ **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 $+10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: <i>mw-25B</i>	SAMPLE ID: <i>mw-25B</i>		DATE: <i>July 9 2014</i>

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLING(S) SIGNATURE(S):			SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y N		FILTER SIZE: L µm	
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				
MW-25B	3	CG	40mL	HCL	Prefilled by lab		8260		ESP	
	3	CG	40mL	None	None		8011		ESP	
	1	PE	500mL	HNO ₃	Prefilled by lab		Metals		ESP	
	1	PE	125mL	H ₂ SO ₄	Prefilled by lab		NH ₃		ESP	
	1	PE	500mL	None	None		TDS, Cl, NO ₃		ESP	
	1	PE	250mL	NaOH	Prefilled by lab		Cyanide		ESP	
	1	PE	250mL	NaOH & ZnAc	Prefilled by lab		Sulfide		ESP	
	7	AG	1000mL	None	None		8270,8081,8082,8151		ESP	
MW-25B	3	CG	40mL	None	None		505		ESP	
REMARKS: weather: Clear, 80°F										
Odor: none Initial turbidity: 850										
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:** $\pm 5\%$ **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: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773
WELL NO: <u>MW-26A</u>	SAMPLE ID: <u>MW-26A</u>
DATE: <u>July 9, 2014</u>	

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: <u>13</u> feet to <u>23</u> feet	STATIC DEPTH TO WATER (feet): <u>7.18</u>	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) = (feet - feet) X 0.16 gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.0 gallons + (0.0026 gallons/foot X <u>62</u> feet) + 0.12 gallons = <u>0.3</u> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>18</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>18</u>	PURGING INITIATED AT: <u>0815</u>	PURGING ENDED AT: <u>0950</u>	TOTAL VOLUME PURGED (gallons): <u>7.6</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0930	6	6	0.08	7.19	5.51	25.08	186	0.39	39	clear	-72.4
0935	0.4	6.4	0.08	7.19	5.55	25.10	188	0.29	30.1	clear	-83.0
0940	0.4	6.8	0.08	7.19	5.56	25.12	188	0.29	33	clear	-85.4
0950	0.8	7.6	0.08	7.19	5.57	25.15	187	0.25	32.3	clear	-81.2

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" = 0.0026; 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: Joe Terry / PWSFL				SAMPLER(S) SIGNATURE(S): <u>Joe Terry</u>				SAMPLING INITIATED AT: <u>0955</u>		SAMPLING ENDED AT: <u>1035</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>18</u>				TUBING MATERIAL CODE: PE				FIELD-FILTERED: Y <u>(N)</u> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP NA				TUBING No (replaced)				DUPLICATE: No			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPME T CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW-26A</u>	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO ₃	Prefilled by lab		Metals	APP	<u>350</u>
	1	PE	125mL	H ₂ SO ₄	Prefilled by lab		NH ₃	APP	<u>350</u>
	1	PE	500mL	None	None		TDS, Cl, NO ₃	APP	<u>350</u>
	1	PE	250mL	NaOH	Prefilled by lab		Cyanide	APP	<u>350</u>
	1	PE	250mL	NaOH & ZnAc	Prefilled by lab		Sulfide	APP	<u>350</u>
	7	AG	1000mL	None	None		8270,8081,8082,8151	APP	<u>350</u>
<u>MW-26A</u>	3	CG	40mL	None	None		505	RFPP	<100

REMARKS: weather: clear, 80°F
 Odor: none Initial turbidity: 44 NTU

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-26B	SAMPLE ID: MW-26B		DATE: July 9, 2014

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / WSP PWSPL				SAMPLER(S) SIGNATURE(S): <i>Joe Terry</i>			SAMPLING INITIATED AT: 1055		SAMPLING ENDED AT: 1125	
PUMP OR TUBING DEPTH IN WELL (feet): 38				TUBING MATERIAL CODE: PE		FIELD-FILTERED: ☒ Y ☐ N Filtration Equipment Type:		FILTER SIZE: 1 µm		
FIELD DECONTAMINATION: PUMP Yes TUBING No (replaced)						DUPLICATE: No				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
<i>mw-26B</i>	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100	
	3	CG	40mL	None	None		8011	ESP	<100	
	1	PE	500mL	HNO ₃	Prefilled by lab		Metals	ESP	450	
	1	PE	125mL	H ₂ SO ₄	Prefilled by lab		NH ₃	ESP	450	
	1	PE	500mL	None	None		TDS, Cl, NO ₃	ESP	450	
	1	PE	250mL	NaOH	Prefilled by lab		Cyanide	ESP	450	
	1	PE	250mL	NaOH & ZnAc	Prefilled by lab		Sulfide	ESP	450	
	7	AG	1000mL	None	None		8270,8081,8082,8151	ESP	450	
<i>mw-26B</i>	3	CG	40mL	None	None		505	ESP	<100	
REMARKS: weather: Clear, 80°F Collected one 500mL HNO ₃ preserved filtered sample for metals analysis. Turbidity after filter: 115 NTU										
Odor: none Initial turbidity: 776 NTU										
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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

pH: ± 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 $+ 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Appendix C.
Field Instrument Calibration Logs

Field Instrument Calibration Record

Site: IED Date: July 6, 2014

Water Quality Instrument Make: YSI Instrument Model Number: 556 Instrument Serial Number: 06A2173AL

Turbidity Instrument Make: LaMotte Instrument Model Number: 2020e Instrument Serial Number: ME12953

Time: 1930

Calibration Standard			Instrument Response	Percent Deviation ⁽¹⁾ or Difference	Allowable Deviation ⁽²⁾	Calibrated? Yes or No	Type of Calibration ⁽³⁾	Calibration Performed By:
Lot No.	Expiration Date	Standard Value						
3AH355	Aug 2015	pH = 4.00	4.00	0	0.2	Y	I	DT
C358930	Feb 7, 2015	pH = 7.00	7.00	0	0.2	Y	I	DT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C364881	June 2015	Turbidity = 10 NTU	10.2	2	10%	Y	C	DT
3AJ929	Oct 2014	Conductivity = 84 µS/cm	86	2.4	5%	Y	C	DT
4AA137	Jan 2015	Conductivity = 500 µS/cm	506	1.2	5%	Y	C	DT
4AA941	Jan 2015	Conductivity = 1,000 µS/cm	1011	1.1	5%	Y	C	DT
	Per Table →	D.O. = 8.34 mg/L @ 24.5°C	8.37	0.03	0.2 mg/l	Y	I	DT

Date: July 8, 2014 Time: 1930

Calibration Standard			Instrument Response	Percent Deviation ⁽¹⁾ or Difference	Allowable Deviation ⁽²⁾	Calibrated? Yes or No	Type of Calibration ⁽³⁾	Calibration Performed By:
Lot No.	Expiration Date	Standard Value						
C359207	Feb 15, 2015	pH = 4.00	4.00	0	0.2	Y	I	DT
C358930	Feb 7, 2015	pH = 7.00	7.00	0	0.2	Y	I	DT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C364881	June 2015	Turbidity = 10 NTU	10.21	2.1	10%	Y	C	DT
3AJ929	Oct 2014	Conductivity = 84 µS/cm	84	0	5%	Y	C	DT
4AA137	Jan 2015	Conductivity = 500 µS/cm	508	1.6	5%	Y	C	DT
4AA941	Jan 2015	Conductivity = 1,000 µS/cm			5%			
	Per Table →	D.O. = 8.04 mg/L @ 26.5°C	8.10	0.06	0.2 mg/l	Y	C	DT

Note (1): Percent Deviation = (Standard Value – Instrument Response) ÷ Standard Value x 100

Note (2): Allowable Deviation: pH ± 0.2 of Standard Value; Conductivity ± 5 % of Standard Value; Salinity ± 3 % of Standard Value; DO ± 0.2 mg/L;

Turbidity 0.1-10 NTU ± 10% of Standard Value, 11-40 NTU ± 8% of Standard Value, 41-100 NTU ± 6.5% of Standard Value, >100 NTU ± 5% of Standard Value

Note (3): Initial, Continual, Final

Field Instrument Calibration Record

Site: JED

Date: July 9, 2014

Water Quality Instrument Make: YSI Instrument Model Number: 556 Instrument Serial Number: 06A2173AL

Turbidity Instrument Make: LaMotte Instrument Model Number: 2020e Instrument Serial Number: ME12953

Time: 1035

Calibration Standard			Instrument Response	Percent Deviation ⁽¹⁾ or Difference	Allowable Deviation ⁽²⁾	Calibrated? Yes or No	Type of Calibration ⁽³⁾	Calibration Performed By:
Lot No.	Expiration Date	Standard Value						
3AH355	Aug 2015	pH = 4.00	4.13	0.13	0.2	Y	C	DT
C358930	Feb 7, 2015	pH = 7.00	7.09	0.09	0.2	Y	C	DT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C364881	June 2015	Turbidity = 10 NTU	9.87	1.3	10%	Y	C	DT
3AJ929	Oct 2014	Conductivity = 84 µS/cm	87	3.6	5%	Y	C	DT
4AA137	Jan 2015	Conductivity = 500 µS/cm	510	2	5%	Y	C	DT
4AA941	Jan 2015	Conductivity = 1,000 µS/cm			5%			
	Per Table →	D.O. = 8.42 mg/L @ 24.0°C	8.47	0.05	0.2 mg/l	Y	I	DT

Date: July 11, 2014

Time: 0730

Calibration Standard			Instrument Response	Percent Deviation ⁽¹⁾ or Difference	Allowable Deviation ⁽²⁾	Calibrated? Yes or No	Type of Calibration ⁽³⁾	Calibration Performed By:
Lot No.	Expiration Date	Standard Value						
C359207	Feb 15, 2015	pH = 4.00	4.02	0.02	0.2	Y	C	DT
C358930	Feb 7, 2015	pH = 7.00	7.01	0.01	0.2	Y	C	DT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C364881	June 2015	Turbidity = 10 NTU	9.65	3.5	10%	Y	C	DT
3AJ929	Oct 2014	Conductivity = 84 µS/cm	85	1.2	5%	Y	C	DT
4AA137	Jan 2015	Conductivity = 500 µS/cm	516	3.2	5%	Y	C	DT
4AA941	Jan 2015	Conductivity = 1,000 µS/cm			5%			
	Per Table →	D.O. = 8.29 mg/L @ 24.0°C	8.31	0.02	0.2 mg/l	Y	F	DT

Note (1): Percent Deviation = (Standard Value – Instrument Response) ÷ Standard Value x 100

Note (2): Allowable Deviation: pH ± 0.2 of Standard Value; Conductivity ± 5 % of Standard Value; Salinity ± 3 % of Standard Value; DO ± 0.2 mg/L;

Turbidity 0.1-10 NTU ± 10% of Standard Value, 11-40 NTU ± 8% of Standard Value, 41-100 NTU ± 6.5% of Standard Value, >100 NTU ± 5% of Standard Value

Note (3): Initial, Continual, Final

Appendix D.
Chain-of-Custody Forms

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

SR#

CAS Contract

Project Name JED SWDF (new well)		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																							
Project Manager Joe Terry		Email Address joseph.terry@progressive.waste.com		PRESERVATIVE		1	0	0	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Company/Address PWSFL 11457 C.R. 672 Riverview, FL 33569				NUMBER OF CONTAINERS																							
Phone # 813-943-0633		FAX #																									
Sampler's Signature <i>Joe Terry</i>		Sampler's Printed Name Joe Terry																									
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX																							
MW-26A		7-9-14	0955	GW	21	3	3	3	1	1	1	1	1	5	2												
MW-26B				GW	22	1	1	1	1	1	1	1	1	1	1	1											
MW-25A				GW	21	1	1	1	1	1	1	1	1	1	1	1											
MW-25B				GW	23	3	3	3	1	1	1	1	1	5	2	2											
Trip Blank-3			0000	DI H ₂ O	1	1																					
Trip Blank-4			0000	DI H ₂ O	1	1																					
Trip Blank-5			0000	DI H ₂ O	1	1																					
Trip Blank-6			0000	DI H ₂ O	1	1																					
Trip Blank-7		7-9-14	0000	DI H ₂ O	1	1																					
SPECIAL INSTRUCTIONS/COMMENTS Cooler ID: 14190-JED-2					TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) ☒ STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE					REPORT REQUIREMENTS I. Results Only ☒ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata ☐ Yes ☐ No					INVOICE INFORMATION PO # BILL TO:												
SAMPLE RECEIPT: CONDITION/COOLER TEMP:					CUSTODY SEALS: Y N																						
RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY												
Signature <i>Joe Terry</i>	Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature												
Printed Name Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name												
Firm PWSFL	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm	Firm												
Date/Time 7-9-14/1500	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time												

Appendix E.
Analytical Laboratory Reports



September 15, 2014

Service Request No J1405085

Kirk Wills
Waste Services of Florida, Inc.
11500 43rd Street North
Clearwater, FL 33762

Laboratory Results for: JED SWDF (New Wells)

Dear Kirk,

Enclosed are the results of the sample(s) submitted to our laboratory July 11, 2014
For your reference, these analyses have been assigned our service request number **J1405085**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at Craig.Myers@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Craig Myers
Project Manager

ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE +1 904 739 2277 | FAX +1 904 739 2011
ALS Group USA, Corp.
dba ALS Environmental

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-17AR	Lab ID: J1405085-001
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Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	17.0		0.2	1.0	mg/L	300.0
Nitrate as Nitrogen	0.90		0.03	0.20	mg/L	300.0
Ammonia as Nitrogen	0.285		0.007	0.010	mg/L	350.1
Iron, Total Recoverable	280		3	100	ug/L	6010B
Sodium, Total Recoverable	9.72		0.03	0.50	mg/L	6010B
Barium, Total Recoverable	43.7		0.5	2.0	ug/L	6020
Beryllium, Total Recoverable	0.13	I	0.04	0.50	ug/L	6020
Cadmium, Total Recoverable	0.23	I	0.10	0.40	ug/L	6020
Cobalt, Total Recoverable	0.2	I	0.03	1.0	ug/L	6020
Chromium, Total Recoverable	1.0		0.2	1.0	ug/L	6020
Nickel, Total Recoverable	0.8	I	0.5	2.0	ug/L	6020
Antimony, Total Recoverable	0.4	I	0.2	1.0	ug/L	6020
Selenium, Total Recoverable	6.6		1.1	2.0	ug/L	6020
Vanadium, Total Recoverable	5.5		0.3	2.0	ug/L	6020
inc, Total Recoverable	4.8	I	1.6	5.0	ug/L	6020
Solids, Total Dissolved	64		10	10	mg/L	SM 2540 C

CLIENT ID: MW-17BR	Lab ID: J1405085-002
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Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	48.0		0.2	1.0	mg/L	300.0
Ammonia as Nitrogen	0.241		0.007	0.010	mg/L	350.1
Iron, Total Recoverable	2750		3	100	ug/L	6010B
Sodium, Total Recoverable	23.7		0.03	0.50	mg/L	6010B
Arsenic, Total Recoverable	0.7	I	0.5	1.0	ug/L	6020
Barium, Total Recoverable	96.0		0.5	2.0	ug/L	6020
Beryllium, Total Recoverable	0.14	I	0.04	0.50	ug/L	6020
Cobalt, Total Recoverable	0.4	I	0.03	1.0	ug/L	6020
Chromium, Total Recoverable	5.7		0.2	1.0	ug/L	6020
Copper, Total Recoverable	0.7	I	0.3	1.0	ug/L	6020
Nickel, Total Recoverable	1.8	I	0.5	2.0	ug/L	6020
Lead, Total Recoverable	2.72		0.12	0.50	ug/L	6020
Vanadium, Total Recoverable	5.0		0.3	2.0	ug/L	6020
inc, Total Recoverable	5.3		1.6	5.0	ug/L	6020
Acetone	7.7	I	5.6	50	ug/L	8260B
Solids, Total Dissolved	186		10	10	mg/L	SM 2540 C

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Received: 7/11/14

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of C samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

Two water samples and one trip blank were received for analysis at ALS Environmental on 07/11/2014. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at -6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

No significant data anomalies were noted with this analysis.

Semi-Volatile Organic Analyses:

No significant data anomalies were noted with this analysis.

Metals Analyses:

No significant data anomalies were noted with this analysis.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

Report Revision Notes and Discussion:

This revision is provided to correct the sample ID for J1405085-001 per client request. The correct ID should be MW-17AR, not MW-17AK.

The second revision is provided to remove the Aluminum results per client request.

Approved by  Date 9/15/2014

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Department of Defense	66206	11/1/2014
Florida Department of Health	E82502	6/30/2015
Georgia Department of Natural Resources	958	6/30/2015
Kentucky Division of Waste Management	63	6/30/2015
Louisiana Department of Environmental Quality	02086	6/30/2015
Maine Department of Health and Human Services	2011006	2/3/2015
North Carolina Department of Environment and Natural Resources	527	12/31/2014
Pennsylvania Department of Environmental Protection	68-04835	8/31/2015
South Carolina Department of Health and Environmental Control	96021001	6/30/2015
Texas Commision on Environmental Quality	T104704197-13-5	5/31/2015
Virginia Environmental Accreditation Program	460191	12/14/2014

Data Qualifiers

Florida-DEP

- ! Data deviates from historically established concentration ranges
- * Not reported due to interference
- ? Data is rejected and should not be used
- A Value reported is the arithmetic mean of two or more determinations
- B Results based upon colony counts outside the acceptable range.
- D Measurement was made in the field.
- E Extra samples were taken at composite stations
- H Value based on field kit determination; results may not be accurate.
- I The reported value is between the laboratory method detection limit and the laboratory PQL.
- J Estimated value.
- K Off scale low. The value is less than the lowest calibration standard.
- L Off scale high. The analyte is above the acceptable level of quantitation.
- M The MDL/MRL has been elevated because the analyte could not be accurately quantified.
- N Presumptive evidence of presence of material.
- O Sampled, but analysis lost or not performed
- Q Sample held beyond the acceptable holding time.
- R Significant rain in the past 48 hours (typically in excess of 0.5 inches)
- T Estimated value, less than the MDL
- U Indicates that the compound was analyzed for but not detected.
- V Indicates that the analyte was detected in both the sample and the associated method blank.
- X Insufficient individuals were present in the sample to achieve a minimum of 280 organisms for identification (Stream Condition Index Analysis only)
- Y The laboratory analysis was from an unpreserved or improperly preserved sample.
- Z Too many colonies were present, the numeric value represents the filtration volume

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)

Service Request:J1405085

SAMPLE CROSS-REFERENCE

<u>SAMPLE</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1405085-001	MW-17AR	7/10/2014	0810
J1405085-002	MW-17BR	7/10/2014	0845
J1405085-003	Trip Blank-8	7/10/2014	0000

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 08:10
Date Received: 07/11/14 09:00

Sample Name: MW-17AR
Lab Code: J1405085-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/17/14 15:44	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/17/14 15:44	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/17/14 15:44	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/17/14 15:44	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/17/14 15:44	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/17/14 15:44	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/17/14 15:44	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/17/14 15:44	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/17/14 15:44	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/17/14 15:44	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/17/14 15:44	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/17/14 15:44	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/17/14 15:44	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/17/14 15:44	
2-Hexanone	2.2 U	25	2.2	1	07/17/14 15:44	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/17/14 15:44	
Acetone	5.6 U	50	5.6	1	07/17/14 15:44	
Acrylonitrile	1.5 U	10	1.5	1	07/17/14 15:44	
Benzene	0.21 U	1.0	0.21	1	07/17/14 15:44	
Bromochloromethane	0.27 U	5.0	0.27	1	07/17/14 15:44	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/17/14 15:44	
Bromoform	0.42 U	2.0	0.42	1	07/17/14 15:44	
Bromomethane	0.23 U	5.0	0.23	1	07/17/14 15:44	
Carbon Disulfide	2.4 U	10	2.4	1	07/17/14 15:44	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/17/14 15:44	
Chlorobenzene	0.16 U	1.0	0.16	1	07/17/14 15:44	
Chloroethane	0.52 U	5.0	0.52	1	07/17/14 15:44	
Chloroform	0.35 U	1.0	0.35	1	07/17/14 15:44	
Chloromethane	0.36 U	1.0	0.36	1	07/17/14 15:44	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/17/14 15:44	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/17/14 15:44	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/17/14 15:44	
Dibromomethane	0.36 U	5.0	0.36	1	07/17/14 15:44	
Ethylbenzene	0.21 U	1.0	0.21	1	07/17/14 15:44	
Iodomethane	2.7 U	5.0	2.7	1	07/17/14 15:44	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/17/14 15:44	
Methylene Chloride	0.21 U	5.0	0.21	1	07/17/14 15:44	
o-Xylene	0.14 U	1.0	0.14	1	07/17/14 15:44	
Styrene	0.29 U	1.0	0.29	1	07/17/14 15:44	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/17/14 15:44	
Toluene	0.19 U	1.0	0.19	1	07/17/14 15:44	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/17/14 15:44	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/17/14 15:44	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 08:10
Date Received: 07/11/14 09:00

Sample Name: MW-17AR
Lab Code: J1405085-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/17/14 15:44	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/17/14 15:44	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/17/14 15:44	
Vinyl Acetate	1.9 U	10	1.9	1	07/17/14 15:44	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/17/14 15:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	108	72 - 121	07/17/14 15:44	
4-Bromofluorobenzene	93	86 - 113	07/17/14 15:44	
Dibromofluoromethane	104	86 - 112	07/17/14 15:44	
Toluene-d8	97	88 - 115	07/17/14 15:44	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 08:10
Date Received: 07/11/14 09:00

Sample Name: MW-17AR
Lab Code: J1405085-001

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00713 U	0.0203	0.00713	1	07/15/14 18:43	7/15/14	
1,2-Dibromoethane (EDB)	0.00713 U	0.0203	0.00713	1	07/15/14 18:43	7/15/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	93	70 - 130	07/15/14 18:43	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 08:10
Date Received: 07/11/14 09:00

Sample Name: MW-17AR
Lab Code: J1405085-001

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.4 I	ug/L	1.0	0.2	1	07/15/14 06:41	07/14/14	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	07/15/14 06:41	07/14/14	
Barium, Total Recoverable	6020	43.7	ug/L	2.0	0.5	1	07/15/14 06:41	07/14/14	
Beryllium, Total Recoverable	6020	0.13 I	ug/L	0.50	0.04	1	07/15/14 06:41	07/14/14	
Cadmium, Total Recoverable	6020	0.23 I	ug/L	0.40	0.10	1	07/15/14 06:41	07/14/14	
Chromium, Total Recoverable	6020	1.0	ug/L	1.0	0.2	1	07/15/14 06:41	07/14/14	
Cobalt, Total Recoverable	6020	0.2 I	ug/L	1.0	0.03	1	07/15/14 06:41	07/14/14	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	07/15/14 06:41	07/14/14	
Iron, Total Recoverable	6010B	280	ug/L	100	3	1	07/16/14 08:15	07/15/14	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	07/15/14 06:41	07/14/14	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	07/16/14 14:15	07/15/14	
Nickel, Total Recoverable	6020	0.8 I	ug/L	2.0	0.5	1	07/15/14 06:41	07/14/14	
Selenium, Total Recoverable	6020	6.6	ug/L	2.0	1.1	1	07/15/14 06:41	07/14/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/15/14 06:41	07/14/14	
Sodium, Total Recoverable	6010B	9.72	mg/L	0.50	0.03	1	07/16/14 08:15	07/15/14	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	07/15/14 06:41	07/14/14	
Vanadium, Total Recoverable	6020	5.5	ug/L	2.0	0.3	1	07/15/14 06:41	07/14/14	
Zinc, Total Recoverable	6020	4.8 I	ug/L	5.0	1.6	1	07/15/14 06:41	07/14/14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Sample Name: MW-17AR
Lab Code: J1405085-001

Service Request: J1405085
Date Collected: 07/10/14 08:10
Date Received: 07/11/14 09:00

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.285	mg/L	0.010	0.007	1	07/14/14 17:08	
Chloride	300.0	17.0	mg/L	1.0	0.2	1	07/12/14 00:28	
Nitrate as Nitrogen	300.0	0.90	mg/L	0.20	0.03	1	07/12/14 00:28	
Solids, Total Dissolved	SM 2540 C	64	mg/L	10	10	1	07/15/14 14:36	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 08:45
Date Received: 07/11/14 09:00

Sample Name: MW-17BR
Lab Code: J1405085-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/17/14 16:13	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/17/14 16:13	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/17/14 16:13	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/17/14 16:13	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/17/14 16:13	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/17/14 16:13	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/17/14 16:13	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/17/14 16:13	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/17/14 16:13	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/17/14 16:13	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/17/14 16:13	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/17/14 16:13	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/17/14 16:13	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/17/14 16:13	
2-Hexanone	2.2 U	25	2.2	1	07/17/14 16:13	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/17/14 16:13	
Acetone	7.7 I	50	5.6	1	07/17/14 16:13	
Acrylonitrile	1.5 U	10	1.5	1	07/17/14 16:13	
Benzene	0.21 U	1.0	0.21	1	07/17/14 16:13	
Bromochloromethane	0.27 U	5.0	0.27	1	07/17/14 16:13	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/17/14 16:13	
Bromoform	0.42 U	2.0	0.42	1	07/17/14 16:13	
Bromomethane	0.23 U	5.0	0.23	1	07/17/14 16:13	
Carbon Disulfide	2.4 U	10	2.4	1	07/17/14 16:13	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/17/14 16:13	
Chlorobenzene	0.16 U	1.0	0.16	1	07/17/14 16:13	
Chloroethane	0.52 U	5.0	0.52	1	07/17/14 16:13	
Chloroform	0.35 U	1.0	0.35	1	07/17/14 16:13	
Chloromethane	0.36 U	1.0	0.36	1	07/17/14 16:13	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/17/14 16:13	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/17/14 16:13	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/17/14 16:13	
Dibromomethane	0.36 U	5.0	0.36	1	07/17/14 16:13	
Ethylbenzene	0.21 U	1.0	0.21	1	07/17/14 16:13	
Iodomethane	2.7 U	5.0	2.7	1	07/17/14 16:13	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/17/14 16:13	
Methylene Chloride	0.21 U	5.0	0.21	1	07/17/14 16:13	
o-Xylene	0.14 U	1.0	0.14	1	07/17/14 16:13	
Styrene	0.29 U	1.0	0.29	1	07/17/14 16:13	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/17/14 16:13	
Toluene	0.19 U	1.0	0.19	1	07/17/14 16:13	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/17/14 16:13	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/17/14 16:13	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 08:45
Date Received: 07/11/14 09:00

Sample Name: MW-17BR
Lab Code: J1405085-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/17/14 16:13	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/17/14 16:13	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/17/14 16:13	
Vinyl Acetate	1.9 U	10	1.9	1	07/17/14 16:13	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/17/14 16:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	107	72 - 121	07/17/14 16:13	
4-Bromofluorobenzene	92	86 - 113	07/17/14 16:13	
Dibromofluoromethane	105	86 - 112	07/17/14 16:13	
Toluene-d8	96	88 - 115	07/17/14 16:13	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 08:45
Date Received: 07/11/14 09:00

Sample Name: MW-17BR
Lab Code: J1405085-002

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.0201	0.00703	1	07/15/14 19:47	7/15/14	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	07/15/14 19:47	7/15/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	100	70 - 130	07/15/14 19:47	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 08:45
Date Received: 07/11/14 09:00

Sample Name: MW-17BR
Lab Code: J1405085-002

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/15/14 06:46	07/14/14	
Arsenic, Total Recoverable	6020	0.7 I	ug/L	1.0	0.5	1	07/15/14 06:46	07/14/14	
Barium, Total Recoverable	6020	96.0	ug/L	2.0	0.5	1	07/15/14 06:46	07/14/14	
Beryllium, Total Recoverable	6020	0.14 I	ug/L	0.50	0.04	1	07/15/14 06:46	07/14/14	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	07/15/14 06:46	07/14/14	
Chromium, Total Recoverable	6020	5.7	ug/L	1.0	0.2	1	07/15/14 06:46	07/14/14	
Cobalt, Total Recoverable	6020	0.4 I	ug/L	1.0	0.03	1	07/15/14 06:46	07/14/14	
Copper, Total Recoverable	6020	0.7 I	ug/L	1.0	0.3	1	07/15/14 06:46	07/14/14	
Iron, Total Recoverable	6010B	2750	ug/L	100	3	1	07/16/14 08:19	07/15/14	
Lead, Total Recoverable	6020	2.72	ug/L	0.50	0.12	1	07/15/14 06:46	07/14/14	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	07/16/14 14:23	07/15/14	
Nickel, Total Recoverable	6020	1.8 I	ug/L	2.0	0.5	1	07/15/14 06:46	07/14/14	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	07/15/14 06:46	07/14/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/15/14 06:46	07/14/14	
Sodium, Total Recoverable	6010B	23.7	mg/L	0.50	0.03	1	07/16/14 08:19	07/15/14	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	07/15/14 06:46	07/14/14	
Vanadium, Total Recoverable	6020	5.0	ug/L	2.0	0.3	1	07/15/14 06:46	07/14/14	
Zinc, Total Recoverable	6020	5.3	ug/L	5.0	1.6	1	07/15/14 06:46	07/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Sample Name: MW-17BR
Lab Code: J1405085-002

Service Request: J1405085
Date Collected: 07/10/14 08:45
Date Received: 07/11/14 09:00

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.241	mg/L	0.010	0.007	1	07/14/14 17:11	
Chloride	300.0	48.0	mg/L	1.0	0.2	1	07/12/14 00:44	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/12/14 00:44	
Solids, Total Dissolved	SM 2540 C	186	mg/L	10	10	1	07/15/14 14:36	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 00:00
Date Received: 07/11/14 09:00

Sample Name: Trip Blank-8
Lab Code: J1405085-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/17/14 11:55	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/17/14 11:55	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/17/14 11:55	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/17/14 11:55	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/17/14 11:55	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/17/14 11:55	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/17/14 11:55	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/17/14 11:55	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/17/14 11:55	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/17/14 11:55	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/17/14 11:55	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/17/14 11:55	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/17/14 11:55	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/17/14 11:55	
2-Hexanone	2.2 U	25	2.2	1	07/17/14 11:55	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/17/14 11:55	
Acetone	5.6 U	50	5.6	1	07/17/14 11:55	
Acrylonitrile	1.5 U	10	1.5	1	07/17/14 11:55	
Benzene	0.21 U	1.0	0.21	1	07/17/14 11:55	
Bromochloromethane	0.27 U	5.0	0.27	1	07/17/14 11:55	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/17/14 11:55	
Bromoform	0.42 U	2.0	0.42	1	07/17/14 11:55	
Bromomethane	0.23 U	5.0	0.23	1	07/17/14 11:55	
Carbon Disulfide	2.4 U	10	2.4	1	07/17/14 11:55	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/17/14 11:55	
Chlorobenzene	0.16 U	1.0	0.16	1	07/17/14 11:55	
Chloroethane	0.52 U	5.0	0.52	1	07/17/14 11:55	
Chloroform	0.35 U	1.0	0.35	1	07/17/14 11:55	
Chloromethane	0.36 U	1.0	0.36	1	07/17/14 11:55	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/17/14 11:55	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/17/14 11:55	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/17/14 11:55	
Dibromomethane	0.36 U	5.0	0.36	1	07/17/14 11:55	
Ethylbenzene	0.21 U	1.0	0.21	1	07/17/14 11:55	
Iodomethane	2.7 U	5.0	2.7	1	07/17/14 11:55	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/17/14 11:55	
Methylene Chloride	0.21 U	5.0	0.21	1	07/17/14 11:55	
o-Xylene	0.14 U	1.0	0.14	1	07/17/14 11:55	
Styrene	0.29 U	1.0	0.29	1	07/17/14 11:55	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/17/14 11:55	
Toluene	0.19 U	1.0	0.19	1	07/17/14 11:55	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/17/14 11:55	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/17/14 11:55	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14 00:00
Date Received: 07/11/14 09:00

Sample Name: Trip Blank-8
Lab Code: J1405085-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/17/14 11:55	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/17/14 11:55	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/17/14 11:55	
Vinyl Acetate	1.9 U	10	1.9	1	07/17/14 11:55	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/17/14 11:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/17/14 11:55	
4-Bromofluorobenzene	94	86 - 113	07/17/14 11:55	
Dibromofluoromethane	102	86 - 112	07/17/14 11:55	
Toluene-d8	97	88 - 115	07/17/14 11:55	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405337-02

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/17/14 10:28	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/17/14 10:28	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/17/14 10:28	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/17/14 10:28	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/17/14 10:28	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/17/14 10:28	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/17/14 10:28	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/17/14 10:28	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/17/14 10:28	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/17/14 10:28	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/17/14 10:28	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/17/14 10:28	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/17/14 10:28	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/17/14 10:28	
2-Hexanone	2.2 U	25	2.2	1	07/17/14 10:28	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/17/14 10:28	
Acetone	5.6 U	50	5.6	1	07/17/14 10:28	
Acrylonitrile	1.5 U	10	1.5	1	07/17/14 10:28	
Benzene	0.21 U	1.0	0.21	1	07/17/14 10:28	
Bromochloromethane	0.27 U	5.0	0.27	1	07/17/14 10:28	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/17/14 10:28	
Bromoform	0.42 U	2.0	0.42	1	07/17/14 10:28	
Bromomethane	0.23 U	5.0	0.23	1	07/17/14 10:28	
Carbon Disulfide	2.4 U	10	2.4	1	07/17/14 10:28	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/17/14 10:28	
Chlorobenzene	0.16 U	1.0	0.16	1	07/17/14 10:28	
Chloroethane	0.52 U	5.0	0.52	1	07/17/14 10:28	
Chloroform	0.35 U	1.0	0.35	1	07/17/14 10:28	
Chloromethane	0.36 U	1.0	0.36	1	07/17/14 10:28	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/17/14 10:28	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/17/14 10:28	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/17/14 10:28	
Dibromomethane	0.36 U	5.0	0.36	1	07/17/14 10:28	
Ethylbenzene	0.21 U	1.0	0.21	1	07/17/14 10:28	
Iodomethane	2.7 U	5.0	2.7	1	07/17/14 10:28	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/17/14 10:28	
Methylene Chloride	0.21 U	5.0	0.21	1	07/17/14 10:28	
o-Xylene	0.14 U	1.0	0.14	1	07/17/14 10:28	
Styrene	0.29 U	1.0	0.29	1	07/17/14 10:28	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/17/14 10:28	
Toluene	0.19 U	1.0	0.19	1	07/17/14 10:28	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/17/14 10:28	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/17/14 10:28	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405337-02

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/17/14 10:28	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/17/14 10:28	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/17/14 10:28	
Vinyl Acetate	1.9 U	10	1.9	1	07/17/14 10:28	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/17/14 10:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/17/14 10:28	
4-Bromofluorobenzene	94	86 - 113	07/17/14 10:28	
Dibromofluoromethane	103	86 - 112	07/17/14 10:28	
Toluene-d8	97	88 - 115	07/17/14 10:28	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405227-01

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	07/15/14 18:01	7/15/14	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	07/15/14 18:01	7/15/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	104	70 - 130	07/15/14 18:01	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: J1405085-MB

Service Request: J1405085
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/15/14 05:45	07/14/14	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	07/15/14 05:45	07/14/14	
Barium, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	07/15/14 05:45	07/14/14	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	07/15/14 05:45	07/14/14	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	07/15/14 05:45	07/14/14	
Chromium, Total Recoverable	6020	0.5 I	ug/L	1.0	0.2	1	07/15/14 05:45	07/14/14	
Cobalt, Total Recoverable	6020	0.03 U	ug/L	1.0	0.03	1	07/15/14 05:45	07/14/14	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	07/15/14 05:45	07/14/14	
Iron, Total Recoverable	6010B	3 U	ug/L	100	3	1	07/16/14 06:01	07/15/14	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	07/15/14 05:45	07/14/14	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	07/16/14 14:13	07/15/14	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	07/15/14 05:45	07/14/14	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	07/15/14 05:45	07/14/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/15/14 05:45	07/14/14	
Sodium, Total Recoverable	6010B	0.04 I	mg/L	0.50	0.03	1	07/16/14 06:01	07/15/14	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	07/15/14 05:45	07/14/14	
Vanadium, Total Recoverable	6020	0.3 U	ug/L	2.0	0.3	1	07/15/14 05:45	07/14/14	
Zinc, Total Recoverable	6020	3.7 I	ug/L	5.0	1.6	1	07/15/14 05:45	07/14/14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: J1405085-MB

Service Request: J1405085
Date Collected: NA
Date Received: NA

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen	350.1	0.007 U	mg/L	0.010	0.007	1	07/14/14 17:07	
Chloride	300.0	0.2 U	mg/L	1.0	0.2	1	07/11/14 19:57	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/11/14 19:57	
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	07/15/14 14:36	

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4	4-Bromofluorobenzene	Dibromofluoromethane
		72 - 121	86 - 113	86 - 112
MW-17AR	J1405085-001	108	93	104
MW-17BR	J1405085-002	107	92	105
Trip Blank-8	J1405085-003	106	94	102
Lab Control Sample	JQ1405337-01	102	96	104
Method Blank	JQ1405337-02	106	94	103
MW-17AR	JQ1405337-03	103	95	104
MW-17AR	JQ1405337-04	104	96	105

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8
		88 - 115
MW-17AR	J1405085-001	97
MW-17BR	J1405085-002	96
Trip Blank-8	J1405085-003	97
Lab Control Sample	JQ1405337-01	99
Method Blank	JQ1405337-02	97
MW-17AR	JQ1405337-03	97
MW-17AR	JQ1405337-04	96

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14
Date Received: 07/11/14
Date Analyzed: 07/17/14

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-17AR
Lab Code: J1405085-001
Analysis Method: 8260B

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike JQ1405337-03				Duplicate Matrix Spike JQ1405337-04				% Rec Limits	RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec				
1,1,1,2-Tetrachloroethane	0.19 U	54.4	50.0	109	52.9	50.0	106	77-118	3	30	
1,1,1-Trichloroethane (TCA)	0.17 U	56.6	50.0	113	56.4	50.0	113	70-122	<1	30	
1,1,2,2-Tetrachloroethane	0.29 U	47.7	50.0	95	45.6	50.0	91	66-135	4	30	
1,1,2-Trichloroethane	0.40 U	49.7	50.0	99	47.0	50.0	94	75-122	6	30	
1,1-Dichloroethane (1,1-DCA)	0.30 U	50.9	50.0	102	51.0	50.0	102	79-117	<1	30	
1,1-Dichloroethene (1,1-DCE)	0.16 U	53.5	50.0	107	53.6	50.0	107	72-128	<1	30	
1,2,3-Trichloropropane	0.42 U	49.1	50.0	98	47.5	50.0	95	70-123	3	30	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	40.9	50.0	82	42.5	50.0	85	60-122	4	30	
1,2-Dibromoethane (EDB)	0.46 U	50.1	50.0	100	49.1	50.0	98	76-118	2	30	
1,2-Dichlorobenzene	0.48 U	51.6	50.0	103	51.9	50.0	104	81-115	<1	30	
1,2-Dichloroethane	0.22 U	52.7	50.0	105	52.5	50.0	105	70-117	<1	30	
1,2-Dichloropropane	0.19 U	52.8	50.0	106	51.4	50.0	103	79-117	3	30	
1,4-Dichlorobenzene	0.16 U	50.4	50.0	101	49.6	50.0	99	82-115	2	30	
2-Butanone (MEK)	3.8 U	49.3	50.0	99	50.0	50.0	100	62-138	1	30	
2-Hexanone	2.2 U	44.8	50.0	90	43.7	50.0	87	74-127	2	30	
4-Methyl-2-pentanone (MIBK)	1.1 U	48.4	50.0	97	48.5	50.0	97	77-120	<1	30	
Acetone	5.6 U	50.4	50.0	101	49.1	50.0	98	42-161	3	30	
Acrylonitrile	1.5 U	49.1	50.0	98	50.1	50.0	100	63-132	2	30	
Benzene	0.21 U	52.0	50.0	104	51.3	50.0	103	80-117	1	30	
Bromochloromethane	0.27 U	52.1	50.0	104	52.7	50.0	105	78-118	1	30	
Bromodichloromethane	0.22 U	57.0	50.0	114	55.4	50.0	111	75-118	3	30	
Bromoform	0.42 U	47.6	50.0	95	47.2	50.0	94	63-121	<1	30	
Bromomethane	0.23 U	40.2	50.0	80	48.3	50.0	97	31-153	18	30	
Carbon Disulfide	2.4 U	48.4	50.0	97	49.3	50.0	99	72-128	2	30	
Carbon Tetrachloride	0.34 U	58.1	50.0	116	57.2	50.0	114	67-124	2	30	
Chlorobenzene	0.16 U	51.9	50.0	104	50.2	50.0	100	83-118	3	30	
Chloroethane	0.52 U	44.6	50.0	89	45.1	50.0	90	68-132	1	30	
Chloroform	0.35 U	53.7	50.0	107	53.1	50.0	106	77-116	1	30	
Chloromethane	0.36 U	44.2	50.0	88	48.8	50.0	98	60-128	10	30	
cis-1,2-Dichloroethene	0.36 U	53.5	50.0	107	53.0	50.0	106	78-117	<1	30	
cis-1,3-Dichloropropene	0.20 U	49.8	50.0	100	48.9	50.0	98	80-119	2	30	
Dibromochloromethane	0.21 U	52.0	50.0	104	51.9	50.0	104	74-121	<1	30	
Dibromomethane	0.36 U	51.0	50.0	102	50.8	50.0	102	76-117	<1	30	
Ethylbenzene	0.21 U	53.7	50.0	107	52.6	50.0	105	82-119	2	30	
Iodomethane	2.7 U	38.7	50.0	77	46.9	50.0	94	51-137	19	30	

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14
Date Received: 07/11/14
Date Analyzed: 07/17/14

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name: MW-17AR
Lab Code: J1405085-001
Analysis Method: 8260B

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike JQ1405337-03			Duplicate Matrix Spike JQ1405337-04			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
m,p-Xylenes	0.31 U	108	100	108	107	100	107	79-122	1	30
Methylene Chloride	0.21 U	46.1	50.0	92	45.2	50.0	90	75-123	2	30
o-Xylene	0.14 U	54.0	50.0	108	52.9	50.0	106	80-119	2	30
Styrene	0.29 U	55.2	50.0	110	54.7	50.0	109	80-121	<1	30
Tetrachloroethene (PCE)	0.22 U	56.1	50.0	112	54.9	50.0	110	75-126	2	30
Toluene	0.19 U	51.3	50.0	103	49.7	50.0	99	52-152	3	30
trans-1,2-Dichloroethene	0.19 U	52.3	50.0	105	52.5	50.0	105	75-121	<1	30
trans-1,3-Dichloropropene	0.23 U	52.2	50.0	104	51.4	50.0	103	76-118	2	30
trans-1,4-Dichloro-2-butene	2.2 U	45.8	50.0	92	44.1	50.0	88	10-198	4	30
Trichloroethene (TCE)	0.36 U	56.3	50.0	113	55.3	50.0	111	78-122	2	30
Trichlorofluoromethane	0.24 U	58.1	50.0	116	58.4	50.0	117	58-134	<1	30
Vinyl Acetate	1.9 U	53.9	50.0	108	54.0	50.0	108	36-169	<1	30
Vinyl Chloride	0.36 U	54.7	50.0	109	55.1	50.0	110	69-138	<1	30

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Analyzed: 07/17/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 402136

Lab Control Sample
JQ1405337-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	52.3	50.0	105	77-118
1,1,1-Trichloroethane (TCA)	52.5	50.0	105	70-122
1,1,2,2-Tetrachloroethane	47.6	50.0	95	66-135
1,1,2-Trichloroethane	47.7	50.0	95	75-122
1,1-Dichloroethane (1,1-DCA)	47.8	50.0	96	79-117
1,1-Dichloroethene (1,1-DCE)	49.2	50.0	98	72-128
1,2,3-Trichloropropane	51.0	50.0	102	70-123
1,2-Dibromo-3-chloropropane (DBCP)	43.4	50.0	87	60-122
1,2-Dibromoethane (EDB)	49.8	50.0	100	76-118
1,2-Dichlorobenzene	49.6	50.0	99	81-115
1,2-Dichloroethane	49.8	50.0	100	70-117
1,2-Dichloropropane	49.5	50.0	99	79-117
1,4-Dichlorobenzene	46.6	50.0	93	82-115
2-Butanone (MEK)	50.2	50.0	100	62-138
2-Hexanone	45.6	50.0	91	74-127
4-Methyl-2-pentanone (MIBK)	49.3	50.0	99	77-120
Acetone	46.6	50.0	93	42-161
Acrylonitrile	50.6	50.0	101	63-132
Benzene	48.0	50.0	96	80-117
Bromochloromethane	50.3	50.0	101	78-118
Bromodichloromethane	53.8	50.0	108	75-118
Bromoform	48.5	50.0	97	63-121
Bromomethane	42.7	50.0	85	31-153
Carbon Disulfide	45.9	50.0	92	72-128
Carbon Tetrachloride	52.7	50.0	105	67-124
Chlorobenzene	49.2	50.0	98	83-118
Chloroethane	44.5	50.0	89	68-132
Chloroform	50.2	50.0	100	77-116
Chloromethane	43.0	50.0	86	60-128
cis-1,2-Dichloroethene	50.1	50.0	100	78-117
cis-1,3-Dichloropropene	48.6	50.0	97	80-119
Dibromochloromethane	51.4	50.0	103	74-121
Dibromomethane	49.4	50.0	99	76-117
Ethylbenzene	50.2	50.0	100	82-119
Iodomethane	39.9	50.0	80	51-137
m,p-Xylenes	102	100	102	79-122
Methylene Chloride	43.5	50.0	87	75-123
o-Xylene	50.1	50.0	100	80-119
Styrene	52.7	50.0	105	80-121
Tetrachloroethene (PCE)	52.6	50.0	105	75-126
Toluene	48.7	50.0	97	52-152

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Analyzed: 07/17/14

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 402136

Lab Control Sample
JQ1405337-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	48.5	50.0	97	75-121
trans-1,3-Dichloropropene	51.9	50.0	104	76-118
trans-1,4-Dichloro-2-butene	45.5	50.0	91	10-198
Trichloroethene (TCE)	52.7	50.0	105	78-122
Trichlorofluoromethane	56.4	50.0	113	58-134
Vinyl Acetate	55.0	50.0	110	36-169
Vinyl Chloride	54.2	50.0	108	69-138

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085

SURROGATE RECOVERY SUMMARY

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Extraction Method: Method

Sample Name	Lab Code	1,1,1,2-Tetrachloroethane
		70 - 130
MW-17AR	J1405085-001	93
MW-17BR	J1405085-002	100
Method Blank	JQ1405227-01	104
Lab Control Sample	JQ1405227-02	103
MW-17AR	JQ1405227-03	90
MW-17AR	JQ1405227-04	93

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14
Date Received: 07/11/14
Date Analyzed: 07/15/14
Date Extracted: 07/15/14

Duplicate Matrix Spike Summary

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Sample Name: MW-17AR
Lab Code: J1405085-001
Analysis Method: 8011
Prep Method: Method

Units: ug/L
Basis: NA

Analyte Name	Matrix Spike JQ1405227-03				Duplicate Matrix Spike JQ1405227-04					
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.211	0.251	84	0.218	0.251	87	65-135	3	30
1,2-Dibromoethane (EDB)	0.00705 U	0.223	0.251	89	0.218	0.251	87	65-135	3	30

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Analyzed: 07/15/14
Date Extracted: 07/15/14

Lab Control Sample Summary

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401896

Lab Control Sample
JQ1405227-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.249	0.250	100	70-130
1,2-Dibromoethane (EDB)	0.259	0.250	103	70-130

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14
Date Received: 07/11/14
Date Analyzed: 07/16/14
Date Extracted: 07/15/14

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-17AR
Lab Code: J1405085-001
Analysis Method: 7470A
Prep Method: Method

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike		Result	Duplicate Matrix Spike		% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec		Spike Amount	% Rec			
Mercury, Total	0.02 U	1.2	1.25	100	1.2	1.25	97	75-125	3	20

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ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Analyzed: 07/15/14 - 07/16/14

Lab Control Sample Summary
Inorganic Parameters

Units: ug/L
Basis: NA

Lab Control Sample
J1405085-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	50.4	50.0	101	80-120
Arsenic, Total Recoverable	6020	48.8	50.0	98	80-120
Barium, Total Recoverable	6020	99.3	100	99	80-120
Beryllium, Total Recoverable	6020	25.2	25.0	101	80-120
Cadmium, Total Recoverable	6020	19.7	20.0	98	80-120
Chromium, Total Recoverable	6020	49.7	50.0	99	80-120
Cobalt, Total Recoverable	6020	49.5	50.0	99	80-120
Copper, Total Recoverable	6020	50.6	50.0	101	80-120
Iron, Total Recoverable	6010B	5180	5000	104	80-120
Lead, Total Recoverable	6020	25.2	25.0	101	80-120
Mercury, Total	7470A	1.27	1.25	101	80-120
Nickel, Total Recoverable	6020	99.7	100	100	80-120
Selenium, Total Recoverable	6020	98.5	100	98	80-120
Silver, Total Recoverable	6020	25.4	25.0	102	80-120
Thallium, Total Recoverable	6020	9.89	10.0	99	80-120
Vanadium, Total Recoverable	6020	98.3	100	98	80-120
Zinc, Total Recoverable	6020	252	250	101	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Analyzed: 7/16/14

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1405085-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	25.3	25.0	101	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085**Date Collected:** 07/10/14**Date Received:** 07/11/14**Date Analyzed:** 07/14/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-17AR**Units:** mg/L**Lab Code:** J1405085-001**Basis:** NA

Analyte Name	Analysis Method	PQL	MDL	Sample Result	Duplicate Sample J1405085-001DUP	Average	RPD	RPD Limit
					Result			
Ammonia as Nitrogen	350.1	0.010	0.007	0.285	0.284	0.285	<1	20

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ALS Group USA, Corp.

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Collected: 07/10/14
Date Received: 07/11/14
Date Analyzed: 07/14/14

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: MW-17AR
Lab Code: J1405085-001
Analysis Method: 350.1

Units: mg/L
Basis: NA

Matrix Spike
J1405085-001MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	0.285	1.21	1.00	92	90-110

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ALS Group USA, Corp.

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405085
Date Analyzed: 07/11/14 - 07/15/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L**Basis:** NA**Lab Control Sample**

J1405085-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.933	1.00	93	90-110
Chloride	300.0	25.2	25.0	101	90-110
Nitrate as Nitrogen	300.0	5.38	5.00	108	90-110
Solids, Total Dissolved	SM 2540 C	300	300	100	85-115



ALS Environmental

Cooler Receipt Form

Client: DUSPC Service Request #: 51405085
Project: SED SWDE (New Work)
Cooler received on 7/11/14 and opened on 7/11/14 by ELT
COURIER: ALS UPS FEDEX Client Other _____ Airbill # 806287127875

- 1 Were custody seals on outside of cooler? Yes No
If yes, how many and where? # 1 on lid other _____
- 2 Were seals intact and signature and date correct? Yes No N/A
- 3 Were custody papers properly filled out? Yes No N/A
- 4 Temperature of cooler(s) upon receipt (Should be $> 0^{\circ}\text{C}$ and $< 6^{\circ}\text{C}$) 2.3°C
- 5 Thermometer ID T71
- 6 Temperature Blank Present? Yes No
- 7 Were Ice or Ice Packs present Ice Ice Packs No
- 8 Did all bottles arrive in good condition (unbroken, etc....)? Yes No N/A
- 9 Type of packing material present
Netting Vial Holder Bubble Wrap
Paper Styrofoam Other N/A
- 10 Were all bottle labels complete (sample ID, preservation, etc....)? Yes No N/A
- 11 Did all bottle labels and tags agree with custody papers? Yes No N/A
- 12 Were the correct bottles used for the tests indicated? Yes No N/A
- 13 Were all of the preserved bottles received with the appropriate preservative?
HNO₃ pH<2 H₂SO₄ pH<2 ZnAc₂/NaOH pH>9 NaOH pH>12 HCl pH<2
Preservative additions noted below
- 14 Were all samples received within analysis holding times? Yes No N/A
- 15 Were all VOA vials free of air bubbles? If present, note below Yes No N/A
- 16 Where did the bottles originate? ALS Client

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted:

Date:



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

SR#

51405085

CAS Contract

Project Name

SED SWDF (New Wells)

Project Number

11457 C.R. 672

Project Manager

Joe Terry

Company/Address

11457 C.R. 672

Email Address

Joseph.Terry@progresswells.com

Phone #

813-943-8633

FAX #

33569

Sampler's Printed Name

Joe Terry

Signature

[Signature]

LAB ID

MW-17AK

SAMPLING DATE

7-10-14

TIME

0810

MATRIX

GW

NUMBER OF CONTAINERS

9

PRESERVATIVE

1

ANALYSIS REQUESTED (Include Method Number and)

J1405085

Waste Services of Florida, Inc.

JED SWDF (New Wells)

Barcode

[Barcode]

REMARKS/ALTERNATE DESCRIPTION

0. NONE
1. HCL
2. HNO3
3. H2SO4
4. NaOH
5. Zn Acetate
6. MeOH
7. NaHSO4
8. Other

TURNAROUND REQUIREMENTS

RUSH (SURCHARGES APPLY)
STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS

I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
III. Results + QC and Calibration Summaries
IV. Data Validation Report with Raw Data
V. Specialized Forms / Custom Report
Edata Yes No

INVOICE INFORMATION

PO #
BILL TO:

RECEIVED BY

Signature
Printed Name
Firm
Date/Time

RELINQUISHED BY

Signature
Printed Name
Firm
Date/Time

SAMPLE RECEIPT: CONDITION/COOLER TEMP:

RELINQUISHED BY
RECEIVED BY
Signature
Printed Name
Firm
Date/Time

See QAPP

COOLING: 14191-SED-3

Signature

Joe Terry

Printed Name

Joe Terry

Firm

MSL

Date/Time

7/11/14 0900



September 11, 2014

Service Request No J1404955

Kirk Wills
Waste Services of Florida, Inc.
11500 43rd Street North
Clearwater, FL 33762

Laboratory Results for: JED SWDF New Wells

Dear Kirk,

Enclosed are the results of the sample(s) submitted to our laboratory July 08, 2014
For your reference, these analyses have been assigned our service request number **J1404955**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at Craig.Myers@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Craig Myers
Project Manager

ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE +1 904 739 2277 | FAX +1 904 739 2011
ALS Group USA, Corp.
dba ALS Environmental

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-24A		Lab ID: J1404955-001				
Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	7.7		0.2	1.0	mg/L	300.0
Ammonia as Nitrogen	0.046		0.007	0.010	mg/L	350.1
Iron, Total Recoverable	1110		3	100	ug/L	6010B
Sodium, Total Recoverable	8.50		0.03	0.50	mg/L	6010B
Barium, Total Recoverable	11.2		0.5	2.0	ug/L	6020
Beryllium, Total Recoverable	0.26	I	0.04	0.50	ug/L	6020
Cadmium, Total Recoverable	0.36	I	0.10	0.40	ug/L	6020
Cobalt, Total Recoverable	2.0		0.03	1.0	ug/L	6020
Copper, Total Recoverable	0.6	I	0.3	1.0	ug/L	6020
Nickel, Total Recoverable	8.6		0.5	2.0	ug/L	6020
Thallium, Total Recoverable	0.68		0.05	0.20	ug/L	6020
Vanadium, Total Recoverable	0.4	I	0.3	2.0	ug/L	6020
inc, Total Recoverable	17.1		1.6	5.0	ug/L	6020
Mercury, Total	0.06	I	0.02	0.10	ug/L	7470A
Toluene	0.25	I	0.19	1.0	ug/L	8260B
1,4-Dichloroben ene	1.26	I	1.02	5.56	ug/L	8270C
Naphthalene	1.21	I	0.589	5.56	ug/L	8270C
Solids, Total Dissolved	108		10	10	mg/L	SM 2540 C
Sulfide, Total	1.2	IV	0.4	2.0	mg/L	SM 4500-S2

CLIENT ID: MW-24B		Lab ID: J1404955-002				
Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	6.4		0.2	1.0	mg/L	300.0
Ammonia as Nitrogen	0.086		0.007	0.010	mg/L	350.1
Iron, Total Recoverable	850		3	100	ug/L	6010B
Sodium, Total Recoverable	4.60		0.03	0.50	mg/L	6010B
Barium, Total Recoverable	54.2		0.5	2.0	ug/L	6020
Cobalt, Total Recoverable	0.3	I	0.03	1.0	ug/L	6020
Copper, Total Recoverable	296		0.3	1.0	ug/L	6020
Nickel, Total Recoverable	1.0	I	0.5	2.0	ug/L	6020
Lead, Total Recoverable	0.66		0.12	0.50	ug/L	6020
Vanadium, Total Recoverable	0.8	I	0.3	2.0	ug/L	6020
inc, Total Recoverable	9.1		1.6	5.0	ug/L	6020
Methylene Chloride	2.5	I	0.21	5.0	ug/L	8260B
1,4-Dichloroben ene	1.63	I	1.00	5.49	ug/L	8270C
Solids, Total Dissolved	70		10	10	mg/L	SM 2540 C
Sulfide, Total	1.0	IV	0.4	2.0	mg/L	SM 4500-S2

CLIENT ID: Trip Blank 1		Lab ID: J1404955-005				
Analyte	Results	Flag	MDL	PQL	Units	Method
Toluene	0.55	I	0.19	1.0	ug/L	8260B

SAMPLE DETECTION SUMMARY

CLIENT ID: Trip Blank 2				Lab ID: J1404955-006		
Analyte	Results	Flag	MDL	PQL	Units	Method
Methylene Chloride	3.2	I	0.21	5.0	ug/L	8260B

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Received: 7/8/14

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of 100% samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAP standards. Parameters that are included in the NELAP Fields of Testing but are not included in the lab's NELAP accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

Two water samples and two trip blanks were received for analysis at ALS Environmental on 07/08/2014. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at -6 °C upon receipt at the laboratory except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

Method 8260B The upper control criterion was exceeded for the following analytes in Laboratory Control Sample (LCS) J 1405036-01 and Laboratory Control Sample Duplicate (LCSD) J 1405036-02: Acrolein and Dichlorodifluoromethane. The analytes in question were not detected in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected and no further corrective action was appropriate.

Semi-Volatile Organic Analyses:

Method 8270C The control criterion was exceeded for two surrogates in LCS J 1405065-02. The associated matrix spike recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly and no further corrective action was appropriate.

Metals Analyses:

No significant data anomalies were noted with this analysis.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

The samples were delivered to ENCO Labs in Jacksonville, FL on 07/09/2014 for EPA Methods 8141B and 8151A determination. The certified analytical report has been included in its entirety in Appendix A Subcontracted Analytical Results.

The samples were delivered to SunLabs, Inc. in Tampa, FL on 07/09/2014 for EPA Methods 505, 8081, and 8270 determination. The certified analytical report has been included in its entirety in Appendix B Subcontracted Analytical Results.

Approved by  Date 9/11/2014

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Department of Defense	66206	11/1/2014
Florida Department of Health	E82502	6/30/2015
Georgia Department of Natural Resources	958	6/30/2015
Kentucky Division of Waste Management	63	6/30/2015
Louisiana Department of Environmental Quality	02086	6/30/2015
Maine Department of Health and Human Services	2011006	2/3/2015
North Carolina Department of Environment and Natural Resources	527	12/31/2014
Pennsylvania Department of Environmental Protection	68-04835	8/31/2015
South Carolina Department of Health and Environmental Control	96021001	6/30/2015
Texas Commision on Environmental Quality	T104704197-13-5	5/31/2015
Virginia Environmental Accreditation Program	460191	12/14/2014

Data Qualifiers

Florida-DEP

- ! Data deviates from historically established concentration ranges
- * Not reported due to interference
- ? Data is rejected and should not be used
- A Value reported is the arithmetic mean of two or more determinations
- B Results based upon colony counts outside the acceptable range.
- D Measurement was made in the field.
- E Extra samples were taken at composite stations
- H Value based on field kit determination; results may not be accurate.
- I The reported value is between the laboratory method detection limit and the laboratory PQL.
- J Estimated value.
- K Off scale low. The value is less than the lowest calibration standard.
- L Off scale high. The analyte is above the acceptable level of quantitation.
- M The MDL/MRL has been elevated because the analyte could not be accurately quantified.
- N Presumptive evidence of presence of material.
- O Sampled, but analysis lost or not performed
- Q Sample held beyond the acceptable holding time.
- R Significant rain in the past 48 hours (typically in excess of 0.5 inches)
- T Estimated value, less than the MDL
- U Indicates that the compound was analyzed for but not detected.
- V Indicates that the analyte was detected in both the sample and the associated method blank.
- X Insufficient individuals were present in the sample to achieve a minimum of 280 organisms for identification (Stream Condition Index Analysis only)
- Y The laboratory analysis was from an unpreserved or improperly preserved sample.
- Z Too many colonies were present, the numeric value represents the filtration volume

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells

Service Request:J1404955

SAMPLE CROSS-REFERENCE

<u>SAMPLE</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1404955-001	MW-24A	7/7/2014	1340
J1404955-002	MW-24B	7/7/2014	1445
J1404955-003	MW-24A	7/7/2014	1340
J1404955-004	MW-24B	7/7/2014	1445
J1404955-005	Trip Blank 1	7/7/2014	0000
J1404955-006	Trip Blank 2	7/7/2014	0000

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 18:45	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 18:45	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 18:45	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 18:45	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 18:45	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 18:45	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 18:45	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 18:45	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 18:45	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 18:45	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 18:45	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 18:45	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 18:45	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 18:45	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 18:45	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 18:45	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 18:45	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 18:45	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 18:45	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 18:45	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 18:45	
Acetone	5.6 U	50	5.6	1	07/16/14 18:45	
Acetonitrile	18 U	25	18	1	07/16/14 18:45	
Acrolein	3.0 U	50	3.0	1	07/16/14 18:45	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 18:45	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 18:45	
Benzene	0.21 U	1.0	0.21	1	07/16/14 18:45	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 18:45	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 18:45	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 18:45	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 18:45	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 18:45	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 18:45	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 18:45	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 18:45	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 18:45	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 18:45	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 18:45	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 18:45	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 18:45	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 18:45	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 18:45	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 18:45	*

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 18:45	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 18:45	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 18:45	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 18:45	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 18:45	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 18:45	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 18:45	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 18:45	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 18:45	
Naphthalene	0.38 U	10	0.38	1	07/16/14 18:45	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 18:45	
Propionitrile	3.9 U	25	3.9	1	07/16/14 18:45	
Styrene	0.29 U	1.0	0.29	1	07/16/14 18:45	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 18:45	
Toluene	0.25 I	1.0	0.19	1	07/16/14 18:45	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 18:45	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 18:45	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 18:45	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 18:45	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 18:45	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 18:45	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 18:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	105	72 - 121	07/16/14 18:45	
4-Bromofluorobenzene	95	86 - 113	07/16/14 18:45	
Dibromofluoromethane	104	86 - 112	07/16/14 18:45	
Toluene-d8	96	88 - 115	07/16/14 18:45	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.34 U	5.56	1.34	1	07/10/14 07:50	7/9/14	
1,2,4-Trichlorobenzene	0.667 U	5.56	0.667	1	07/10/14 07:50	7/9/14	
1,2-Dichlorobenzene	0.712 U	5.56	0.712	1	07/10/14 07:50	7/9/14	
1,3,5-Trinitrobenzene	1.67 U	5.56	1.67	1	07/10/14 07:50	7/9/14	
1,3-Dichlorobenzene	1.03 U	5.56	1.03	1	07/10/14 07:50	7/9/14	
1,3-Dinitrobenzene	0.712 U	11.1	0.712	1	07/10/14 07:50	7/9/14	
1,4-Dichlorobenzene	1.26 I	5.56	1.02	1	07/10/14 07:50	7/9/14	
1,4-Naphthoquinone	1.78 U	11.1	1.78	1	07/10/14 07:50	7/9/14	
1-Naphthylamine	2.23 U	5.56	2.23	1	07/10/14 07:50	7/9/14	
2,3,4,6-Tetrachlorophenol	1.78 U	5.56	1.78	1	07/10/14 07:50	7/9/14	
2,4,5-Trichlorophenol	1.45 U	5.56	1.45	1	07/10/14 07:50	7/9/14	
2,4,6-Trichlorophenol	0.989 U	5.56	0.989	1	07/10/14 07:50	7/9/14	
2,4-Dichlorophenol	1.34 U	5.56	1.34	1	07/10/14 07:50	7/9/14	
2,4-Dimethylphenol	1.67 U	5.56	1.67	1	07/10/14 07:50	7/9/14	
2,4-Dinitrophenol	0.845 U	22.2	0.845	1	07/10/14 07:50	7/9/14	
2,4-Dinitrotoluene	1.45 U	5.56	1.45	1	07/10/14 07:50	7/9/14	
2,6-Dichlorophenol	1.45 U	11.1	1.45	1	07/10/14 07:50	7/9/14	
2,6-Dinitrotoluene	1.23 U	5.56	1.23	1	07/10/14 07:50	7/9/14	
2-Acetylaminofluorene	1.07 U	5.56	1.07	1	07/10/14 07:50	7/9/14	
2-Chloronaphthalene	5.12 U	5.56	5.12	1	07/10/14 07:50	7/9/14	
2-Chlorophenol	1.34 U	5.56	1.34	1	07/10/14 07:50	7/9/14	
2-Methylnaphthalene	0.701 U	5.56	0.701	1	07/10/14 07:50	7/9/14	
2-Methylphenol	1.45 U	5.56	1.45	1	07/10/14 07:50	7/9/14	
2-Naphthylamine	2.56 U	5.56	2.56	1	07/10/14 07:50	7/9/14	
2-Nitroaniline	1.67 U	5.56	1.67	1	07/10/14 07:50	7/9/14	
2-Nitrophenol	1.56 U	22.2	1.56	1	07/10/14 07:50	7/9/14	
3- and 4-Methylphenol Coelution	1.12 U	5.56	1.12	1	07/10/14 07:50	7/9/14	
3,3'-Dichlorobenzidine	1.56 U	22.2	1.56	1	07/10/14 07:50	7/9/14	
3,3'-Dimethylbenzidine	5.34 U	22.2	5.34	1	07/10/14 07:50	7/9/14	
3-Methylcholanthrene	1.56 U	5.56	1.56	1	07/10/14 07:50	7/9/14	
3-Nitroaniline	1.23 U	5.56	1.23	1	07/10/14 07:50	7/9/14	
4,6-Dinitro-2-methylphenol	1.12 U	22.2	1.12	1	07/10/14 07:50	7/9/14	
4-Aminobiphenyl	2.12 U	5.56	2.12	1	07/10/14 07:50	7/9/14	
4-Bromophenyl Phenyl Ether	1.45 U	5.56	1.45	1	07/10/14 07:50	7/9/14	
4-Chloro-3-methylphenol	2.00 U	5.56	2.00	1	07/10/14 07:50	7/9/14	
4-Chloroaniline	1.56 U	5.56	1.56	1	07/10/14 07:50	7/9/14	
4-Chlorophenyl Phenyl Ether	1.07 U	5.56	1.07	1	07/10/14 07:50	7/9/14	
4-Nitroaniline	1.12 U	5.56	1.12	1	07/10/14 07:50	7/9/14	
4-Nitrophenol	2.00 U	22.2	2.00	1	07/10/14 07:50	7/9/14	
5-Nitro-o-toluidine	1.23 U	5.56	1.23	1	07/10/14 07:50	7/9/14	
7,12-Dimethylbenz(a)anthracene	1.34 U	5.56	1.34	1	07/10/14 07:50	7/9/14	
Acenaphthene	4.67 U	5.56	4.67	1	07/10/14 07:50	7/9/14	
Acenaphthylene	1.10 U	5.56	1.10	1	07/10/14 07:50	7/9/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	1.78 U	11.1	1.78	1	07/10/14 07:50	7/9/14	
Anthracene	1.78 U	5.56	1.78	1	07/10/14 07:50	7/9/14	
Benz(a)anthracene	1.12 U	5.56	1.12	1	07/10/14 07:50	7/9/14	
Benzo(a)pyrene	1.34 U	5.56	1.34	1	07/10/14 07:50	7/9/14	
Benzo(b)fluoranthene	1.12 U	5.56	1.12	1	07/10/14 07:50	7/9/14	
Benzo(g,h,i)perylene	1.56 U	5.56	1.56	1	07/10/14 07:50	7/9/14	
Benzo(k)fluoranthene	2.00 U	5.56	2.00	1	07/10/14 07:50	7/9/14	
Benzyl Alcohol	1.56 U	5.56	1.56	1	07/10/14 07:50	7/9/14	
Bis(2-chloroethoxy)methane	1.34 U	5.56	1.34	1	07/10/14 07:50	7/9/14	
Bis(2-chloroethyl) Ether	2.12 U	5.56	2.12	1	07/10/14 07:50	7/9/14	
Bis(2-chloroisopropyl) Ether	1.67 U	5.56	1.67	1	07/10/14 07:50	7/9/14	
Bis(2-ethylhexyl) Phthalate	1.67 U	5.56	1.67	1	07/10/14 07:50	7/9/14	
Butyl Benzyl Phthalate	0.956 U	11.1	0.956	1	07/10/14 07:50	7/9/14	
Chlorobenzilate	1.00 U	11.1	1.00	1	07/10/14 07:50	7/9/14	
Chrysene	1.34 U	5.56	1.34	1	07/10/14 07:50	7/9/14	
Diallate	1.89 U	5.56	1.89	1	07/10/14 07:50	7/9/14	
Dibenz(a,h)anthracene	1.67 U	5.56	1.67	1	07/10/14 07:50	7/9/14	
Dibenzofuran	1.45 U	5.56	1.45	1	07/10/14 07:50	7/9/14	
Diethyl Phthalate	1.89 U	5.56	1.89	1	07/10/14 07:50	7/9/14	
Dimethoate	2.12 U	5.56	2.12	1	07/10/14 07:50	7/9/14	
Dimethyl Phthalate	1.45 U	5.56	1.45	1	07/10/14 07:50	7/9/14	
Di-n-butyl Phthalate	2.45 U	5.56	2.45	1	07/10/14 07:50	7/9/14	
Di-n-octyl Phthalate	3.12 U	5.56	3.12	1	07/10/14 07:50	7/9/14	
Dinoseb	2.78 U	5.56	2.78	1	07/10/14 07:50	7/9/14	
Diphenylamine + n-Nitrosodiphenylamine	1.23 U	5.56	1.23	1	07/10/14 07:50	7/9/14	
Disulfoton	2.12 U	5.56	2.12	1	07/10/14 07:50	7/9/14	
Ethyl Methanesulfonate	1.78 U	5.56	1.78	1	07/10/14 07:50	7/9/14	
Famphur	2.12 U	11.1	2.12	1	07/10/14 07:50	7/9/14	
Fluoranthene	1.56 U	5.56	1.56	1	07/10/14 07:50	7/9/14	
Fluorene	0.934 U	5.56	0.934	1	07/10/14 07:50	7/9/14	
Hexachlorobenzene	1.89 U	5.56	1.89	1	07/10/14 07:50	7/9/14	
Hexachlorobutadiene	1.34 U	5.56	1.34	1	07/10/14 07:50	7/9/14	
Hexachlorocyclopentadiene	0.556 U	5.56	0.556	1	07/10/14 07:50	7/9/14	
Hexachloroethane	0.901 U	5.56	0.901	1	07/10/14 07:50	7/9/14	
Hexachloropropene	1.02 U	5.56	1.02	1	07/10/14 07:50	7/9/14	
Indeno(1,2,3-cd)pyrene	1.89 U	5.56	1.89	1	07/10/14 07:50	7/9/14	
Isodrin	2.00 U	11.1	2.00	1	07/10/14 07:50	7/9/14	
Isophorone	2.00 U	5.56	2.00	1	07/10/14 07:50	7/9/14	
Isosafrole	1.10 U	5.56	1.10	1	07/10/14 07:50	7/9/14	
Kepone	4.23 U	55.6	4.23	1	07/10/14 07:50	7/9/14	
Methapyrilene	3.67 U	5.56	3.67	1	07/10/14 07:50	7/9/14	
Methyl Methanesulfonate	1.78 U	5.56	1.78	1	07/10/14 07:50	7/9/14	
Methyl Parathion	2.23 U	11.1	2.23	1	07/10/14 07:50	7/9/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	1.21 I	5.56	0.589	1	07/10/14 07:50	7/9/14	
Nitrobenzene	2.34 U	5.56	2.34	1	07/10/14 07:50	7/9/14	
N-Nitrosodiethylamine	1.67 U	5.56	1.67	1	07/10/14 07:50	7/9/14	
N-Nitrosodimethylamine	1.07 U	5.56	1.07	1	07/10/14 07:50	7/9/14	
N-Nitrosodi-n-butylamine	1.67 U	5.56	1.67	1	07/10/14 07:50	7/9/14	
N-Nitrosodi-n-propylamine	2.45 U	5.56	2.45	1	07/10/14 07:50	7/9/14	
N-Nitrosomethylethylamine	1.07 U	5.56	1.07	1	07/10/14 07:50	7/9/14	
N-Nitrosopiperidine	1.45 U	5.56	1.45	1	07/10/14 07:50	7/9/14	
N-Nitrosopyrrolidine	1.89 U	5.56	1.89	1	07/10/14 07:50	7/9/14	
O,O,O-Triethyl Phosphorothioate	1.02 U	22.2	1.02	1	07/10/14 07:50	7/9/14	
o-Toluidine	2.00 U	5.56	2.00	1	07/10/14 07:50	7/9/14	
Parathion	1.89 U	22.2	1.89	1	07/10/14 07:50	7/9/14	
p-Dimethylaminoazobenzene	1.23 U	5.56	1.23	1	07/10/14 07:50	7/9/14	
Pentachlorobenzene	0.989 U	5.56	0.989	1	07/10/14 07:50	7/9/14	
Pentachloronitrobenzene (PCNB)	2.78 U	5.56	2.78	1	07/10/14 07:50	7/9/14	
Pentachlorophenol (PCP)	1.23 U	22.2	1.23	1	07/10/14 07:50	7/9/14	
Phenacetin	2.34 U	5.56	2.34	1	07/10/14 07:50	7/9/14	
Phenanthrene	1.56 U	5.56	1.56	1	07/10/14 07:50	7/9/14	
Phenol	0.656 U	5.56	0.656	1	07/10/14 07:50	7/9/14	
Phorate	1.89 U	5.56	1.89	1	07/10/14 07:50	7/9/14	
p-Phenylenediamine	1.34 U	22.2	1.34	1	07/10/14 07:50	7/9/14	
Pronamide	1.89 U	22.2	1.89	1	07/10/14 07:50	7/9/14	
Pyrene	0.823 U	5.56	0.823	1	07/10/14 07:50	7/9/14	
Safrole	0.956 U	5.56	0.956	1	07/10/14 07:50	7/9/14	
Thionazin	2.00 U	11.1	2.00	1	07/10/14 07:50	7/9/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	84	2 - 128	07/10/14 07:50	
2-Fluorobiphenyl	56	8 - 135	07/10/14 07:50	
2-Fluorophenol	42	6 - 76	07/10/14 07:50	
Nitrobenzene-d5	53	10 - 125	07/10/14 07:50	
Phenol-d6	37	6 - 56	07/10/14 07:50	
p-Terphenyl-d14	105	4 - 141	07/10/14 07:50	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benz(a)anthracene	0.0389 U	0.111	0.0389	1	07/10/14 12:43	7/9/14	
Benzo(a)pyrene	0.0345 U	0.111	0.0345	1	07/10/14 12:43	7/9/14	
Benzo(b)fluoranthene	0.0278 U	0.111	0.0278	1	07/10/14 12:43	7/9/14	
Benzo(k)fluoranthene	0.0389 U	0.111	0.0389	1	07/10/14 12:43	7/9/14	
Chrysene	0.0267 U	0.111	0.0267	1	07/10/14 12:43	7/9/14	
Dibenz(a,h)anthracene	0.0400 U	0.111	0.0400	1	07/10/14 12:43	7/9/14	
Indeno(1,2,3-cd)pyrene	0.0445 U	0.111	0.0445	1	07/10/14 12:43	7/9/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.0201	0.00703	1	07/11/14 15:34	7/11/14	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	07/11/14 15:34	7/11/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	73	70 - 130	07/11/14 15:34	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.0113 U	0.0225	0.0113	1	07/14/14 13:57	7/10/14	
4,4'-DDE	0.0113 U	0.0225	0.0113	1	07/14/14 13:57	7/10/14	
4,4'-DDT	0.0135 U	0.0225	0.0135	1	07/14/14 13:57	7/10/14	
Aldrin	0.0192 U	0.0225	0.0192	1	07/14/14 13:57	7/10/14	
alpha-BHC	0.0158 U	0.0225	0.0158	1	07/14/14 13:57	7/10/14	
alpha-Chlordane	0.00899 U	0.0225	0.00899	1	07/14/14 13:57	7/10/14	
beta-BHC	0.0113 U	0.0225	0.0113	1	07/14/14 13:57	7/10/14	
Chlordane	0.292 U	0.562	0.292	1	07/14/14 13:57	7/10/14	
delta-BHC	0.0236 U	0.0236	0.0236	1	07/14/14 13:57	7/10/14	
Dieldrin	0.0124 U	0.0225	0.0124	1	07/14/14 13:57	7/10/14	
Endosulfan I	0.00787 U	0.0225	0.00787	1	07/14/14 13:57	7/10/14	
Endosulfan II	0.0113 U	0.0225	0.0113	1	07/14/14 13:57	7/10/14	
Endosulfan Sulfate	0.00787 U	0.0225	0.00787	1	07/14/14 13:57	7/10/14	
Endrin	0.0102 U	0.0225	0.0102	1	07/14/14 13:57	7/10/14	
Endrin Aldehyde	0.0315 U	0.0315	0.0315	1	07/14/14 13:57	7/10/14	
Endrin Ketone	0.0102 U	0.0225	0.0102	1	07/14/14 13:57	7/10/14	
gamma-BHC (Lindane)	0.0147 U	0.0225	0.0147	1	07/14/14 13:57	7/10/14	
gamma-Chlordane	0.0124 U	0.0225	0.0124	1	07/14/14 13:57	7/10/14	
Heptachlor	0.0169 U	0.0225	0.0169	1	07/14/14 13:57	7/10/14	
Heptachlor Epoxide	0.0113 U	0.0225	0.0113	1	07/14/14 13:57	7/10/14	
Methoxychlor	0.0102 U	0.0449	0.0102	1	07/14/14 13:57	7/10/14	
Toxaphene	0.288 U	0.562	0.288	1	07/14/14 13:57	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	32	10 - 160	07/14/14 13:57	
Tetrachloro-m-xylene	57	22 - 126	07/14/14 13:57	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.147 U	0.562	0.147	1	07/10/14 15:44	7/10/14	
Aroclor 1221	0.326 U	0.562	0.326	1	07/10/14 15:44	7/10/14	
Aroclor 1232	0.225 U	0.562	0.225	1	07/10/14 15:44	7/10/14	
Aroclor 1242	0.147 U	0.562	0.147	1	07/10/14 15:44	7/10/14	
Aroclor 1248	0.293 U	0.562	0.293	1	07/10/14 15:44	7/10/14	
Aroclor 1254	0.371 U	0.562	0.371	1	07/10/14 15:44	7/10/14	
Aroclor 1260	0.301 U	0.562	0.301	1	07/10/14 15:44	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	59	10 - 151	07/10/14 15:44	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20

Sample Name: MW-24A
Lab Code: J1404955-001

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/10/14 23:40	07/08/14	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	07/10/14 23:40	07/08/14	
Barium, Total Recoverable	6020	11.2	ug/L	2.0	0.5	1	07/10/14 23:40	07/08/14	
Beryllium, Total Recoverable	6020	0.26 I	ug/L	0.50	0.04	1	07/10/14 23:40	07/08/14	
Cadmium, Total Recoverable	6020	0.36 I	ug/L	0.40	0.10	1	07/10/14 23:40	07/08/14	
Chromium, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/10/14 23:40	07/08/14	
Cobalt, Total Recoverable	6020	2.0	ug/L	1.0	0.03	1	07/10/14 23:40	07/08/14	
Copper, Total Recoverable	6020	0.6 I	ug/L	1.0	0.3	1	07/10/14 23:40	07/08/14	
Iron, Total Recoverable	6010B	1110	ug/L	100	3	1	07/10/14 02:56	07/08/14	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	07/10/14 23:40	07/08/14	
Mercury, Total	7470A	0.06 I	ug/L	0.10	0.02	1	07/14/14 14:12	07/11/14	
Nickel, Total Recoverable	6020	8.6	ug/L	2.0	0.5	1	07/10/14 23:40	07/08/14	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	07/10/14 23:40	07/08/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/10/14 23:40	07/08/14	
Sodium, Total Recoverable	6010B	8.50	mg/L	0.50	0.03	1	07/10/14 02:56	07/08/14	
Thallium, Total Recoverable	6020	0.68	ug/L	0.20	0.05	1	07/10/14 23:40	07/08/14	
Tin, Total Recoverable	6010B	2 U	ug/L	40	2	1	07/10/14 02:58	07/08/14	
Vanadium, Total Recoverable	6020	0.4 I	ug/L	2.0	0.3	1	07/10/14 23:40	07/08/14	
Zinc, Total Recoverable	6020	17.1	ug/L	5.0	1.6	1	07/10/14 23:40	07/08/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water
Sample Name: MW-24A
Lab Code: J1404955-001

Service Request: J1404955
Date Collected: 07/07/14 13:40
Date Received: 07/08/14 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.046	mg/L	0.010	0.007	1	07/10/14 11:01	NA	
Chloride	300.0	7.7	mg/L	1.0	0.2	1	07/09/14 03:12	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	07/14/14 12:22	07/10/14	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/09/14 03:12	NA	
Solids, Total Dissolved	SM 2540 C	108	mg/L	10	10	1	07/11/14 11:14	NA	
Sulfide, Total	SM 4500-S2- F	1.2 IV	mg/L	2.0	0.4	1	07/09/14 14:44	NA	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 19:11	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 19:11	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 19:11	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 19:11	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 19:11	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 19:11	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 19:11	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 19:11	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 19:11	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 19:11	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 19:11	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 19:11	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 19:11	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 19:11	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 19:11	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 19:11	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 19:11	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 19:11	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 19:11	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 19:11	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 19:11	
Acetone	5.6 U	50	5.6	1	07/16/14 19:11	
Acetonitrile	18 U	25	18	1	07/16/14 19:11	
Acrolein	3.0 U	50	3.0	1	07/16/14 19:11	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 19:11	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 19:11	
Benzene	0.21 U	1.0	0.21	1	07/16/14 19:11	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 19:11	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 19:11	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 19:11	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 19:11	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 19:11	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 19:11	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 19:11	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 19:11	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 19:11	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 19:11	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 19:11	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 19:11	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 19:11	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 19:11	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 19:11	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 19:11	*

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 19:11	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 19:11	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 19:11	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 19:11	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 19:11	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 19:11	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 19:11	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 19:11	
Methylene Chloride	2.5 I	5.0	0.21	1	07/16/14 19:11	
Naphthalene	0.38 U	10	0.38	1	07/16/14 19:11	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 19:11	
Propionitrile	3.9 U	25	3.9	1	07/16/14 19:11	
Styrene	0.29 U	1.0	0.29	1	07/16/14 19:11	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 19:11	
Toluene	0.19 U	1.0	0.19	1	07/16/14 19:11	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 19:11	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 19:11	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 19:11	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 19:11	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 19:11	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 19:11	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 19:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	72 - 121	07/16/14 19:11	
4-Bromofluorobenzene	91	86 - 113	07/16/14 19:11	
Dibromofluoromethane	103	86 - 112	07/16/14 19:11	
Toluene-d8	94	88 - 115	07/16/14 19:11	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.32 U	5.49	1.32	1	07/10/14 08:29	7/9/14	
1,2,4-Trichlorobenzene	0.660 U	5.49	0.660	1	07/10/14 08:29	7/9/14	
1,2-Dichlorobenzene	0.704 U	5.49	0.704	1	07/10/14 08:29	7/9/14	
1,3,5-Trinitrobenzene	1.65 U	5.49	1.65	1	07/10/14 08:29	7/9/14	
1,3-Dichlorobenzene	1.02 U	5.49	1.02	1	07/10/14 08:29	7/9/14	
1,3-Dinitrobenzene	0.704 U	11.0	0.704	1	07/10/14 08:29	7/9/14	
1,4-Dichlorobenzene	1.63 I	5.49	1.00	1	07/10/14 08:29	7/9/14	
1,4-Naphthoquinone	1.76 U	11.0	1.76	1	07/10/14 08:29	7/9/14	
1-Naphthylamine	2.20 U	5.49	2.20	1	07/10/14 08:29	7/9/14	
2,3,4,6-Tetrachlorophenol	1.76 U	5.49	1.76	1	07/10/14 08:29	7/9/14	
2,4,5-Trichlorophenol	1.43 U	5.49	1.43	1	07/10/14 08:29	7/9/14	
2,4,6-Trichlorophenol	0.979 U	5.49	0.979	1	07/10/14 08:29	7/9/14	
2,4-Dichlorophenol	1.32 U	5.49	1.32	1	07/10/14 08:29	7/9/14	
2,4-Dimethylphenol	1.65 U	5.49	1.65	1	07/10/14 08:29	7/9/14	
2,4-Dinitrophenol	0.836 U	22.0	0.836	1	07/10/14 08:29	7/9/14	
2,4-Dinitrotoluene	1.43 U	5.49	1.43	1	07/10/14 08:29	7/9/14	
2,6-Dichlorophenol	1.43 U	11.0	1.43	1	07/10/14 08:29	7/9/14	
2,6-Dinitrotoluene	1.21 U	5.49	1.21	1	07/10/14 08:29	7/9/14	
2-Acetylaminofluorene	1.06 U	5.49	1.06	1	07/10/14 08:29	7/9/14	
2-Chloronaphthalene	5.06 U	5.49	5.06	1	07/10/14 08:29	7/9/14	
2-Chlorophenol	1.32 U	5.49	1.32	1	07/10/14 08:29	7/9/14	
2-Methylnaphthalene	0.693 U	5.49	0.693	1	07/10/14 08:29	7/9/14	
2-Methylphenol	1.43 U	5.49	1.43	1	07/10/14 08:29	7/9/14	
2-Naphthylamine	2.53 U	5.49	2.53	1	07/10/14 08:29	7/9/14	
2-Nitroaniline	1.65 U	5.49	1.65	1	07/10/14 08:29	7/9/14	
2-Nitrophenol	1.54 U	22.0	1.54	1	07/10/14 08:29	7/9/14	
3- and 4-Methylphenol Coelution	1.10 U	5.49	1.10	1	07/10/14 08:29	7/9/14	
3,3'-Dichlorobenzidine	1.54 U	22.0	1.54	1	07/10/14 08:29	7/9/14	
3,3'-Dimethylbenzidine	5.28 U	22.0	5.28	1	07/10/14 08:29	7/9/14	
3-Methylcholanthrene	1.54 U	5.49	1.54	1	07/10/14 08:29	7/9/14	
3-Nitroaniline	1.21 U	5.49	1.21	1	07/10/14 08:29	7/9/14	
4,6-Dinitro-2-methylphenol	1.10 U	22.0	1.10	1	07/10/14 08:29	7/9/14	
4-Aminobiphenyl	2.09 U	5.49	2.09	1	07/10/14 08:29	7/9/14	
4-Bromophenyl Phenyl Ether	1.43 U	5.49	1.43	1	07/10/14 08:29	7/9/14	
4-Chloro-3-methylphenol	1.98 U	5.49	1.98	1	07/10/14 08:29	7/9/14	
4-Chloroaniline	1.54 U	5.49	1.54	1	07/10/14 08:29	7/9/14	
4-Chlorophenyl Phenyl Ether	1.06 U	5.49	1.06	1	07/10/14 08:29	7/9/14	
4-Nitroaniline	1.10 U	5.49	1.10	1	07/10/14 08:29	7/9/14	
4-Nitrophenol	1.98 U	22.0	1.98	1	07/10/14 08:29	7/9/14	
5-Nitro-o-toluidine	1.21 U	5.49	1.21	1	07/10/14 08:29	7/9/14	
7,12-Dimethylbenz(a)anthracene	1.32 U	5.49	1.32	1	07/10/14 08:29	7/9/14	
Acenaphthene	4.62 U	5.49	4.62	1	07/10/14 08:29	7/9/14	
Acenaphthylene	1.09 U	5.49	1.09	1	07/10/14 08:29	7/9/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	1.76 U	11.0	1.76	1	07/10/14 08:29	7/9/14	
Anthracene	1.76 U	5.49	1.76	1	07/10/14 08:29	7/9/14	
Benz(a)anthracene	1.10 U	5.49	1.10	1	07/10/14 08:29	7/9/14	
Benzo(a)pyrene	1.32 U	5.49	1.32	1	07/10/14 08:29	7/9/14	
Benzo(b)fluoranthene	1.10 U	5.49	1.10	1	07/10/14 08:29	7/9/14	
Benzo(g,h,i)perylene	1.54 U	5.49	1.54	1	07/10/14 08:29	7/9/14	
Benzo(k)fluoranthene	1.98 U	5.49	1.98	1	07/10/14 08:29	7/9/14	
Benzyl Alcohol	1.54 U	5.49	1.54	1	07/10/14 08:29	7/9/14	
Bis(2-chloroethoxy)methane	1.32 U	5.49	1.32	1	07/10/14 08:29	7/9/14	
Bis(2-chloroethyl) Ether	2.09 U	5.49	2.09	1	07/10/14 08:29	7/9/14	
Bis(2-chloroisopropyl) Ether	1.65 U	5.49	1.65	1	07/10/14 08:29	7/9/14	
Bis(2-ethylhexyl) Phthalate	1.65 U	5.49	1.65	1	07/10/14 08:29	7/9/14	
Butyl Benzyl Phthalate	0.946 U	11.0	0.946	1	07/10/14 08:29	7/9/14	
Chlorobenzilate	0.990 U	11.0	0.990	1	07/10/14 08:29	7/9/14	
Chrysene	1.32 U	5.49	1.32	1	07/10/14 08:29	7/9/14	
Diallate	1.87 U	5.49	1.87	1	07/10/14 08:29	7/9/14	
Dibenz(a,h)anthracene	1.65 U	5.49	1.65	1	07/10/14 08:29	7/9/14	
Dibenzofuran	1.43 U	5.49	1.43	1	07/10/14 08:29	7/9/14	
Diethyl Phthalate	1.87 U	5.49	1.87	1	07/10/14 08:29	7/9/14	
Dimethoate	2.09 U	5.49	2.09	1	07/10/14 08:29	7/9/14	
Dimethyl Phthalate	1.43 U	5.49	1.43	1	07/10/14 08:29	7/9/14	
Di-n-butyl Phthalate	2.42 U	5.49	2.42	1	07/10/14 08:29	7/9/14	
Di-n-octyl Phthalate	3.08 U	5.49	3.08	1	07/10/14 08:29	7/9/14	
Dinoseb	2.75 U	5.49	2.75	1	07/10/14 08:29	7/9/14	
Diphenylamine + n-Nitrosodiphenylamine	1.21 U	5.49	1.21	1	07/10/14 08:29	7/9/14	
Disulfoton	2.09 U	5.49	2.09	1	07/10/14 08:29	7/9/14	
Ethyl Methanesulfonate	1.76 U	5.49	1.76	1	07/10/14 08:29	7/9/14	
Famphur	2.09 U	11.0	2.09	1	07/10/14 08:29	7/9/14	
Fluoranthene	1.54 U	5.49	1.54	1	07/10/14 08:29	7/9/14	
Fluorene	0.924 U	5.49	0.924	1	07/10/14 08:29	7/9/14	
Hexachlorobenzene	1.87 U	5.49	1.87	1	07/10/14 08:29	7/9/14	
Hexachlorobutadiene	1.32 U	5.49	1.32	1	07/10/14 08:29	7/9/14	
Hexachlorocyclopentadiene	0.550 U	5.49	0.550	1	07/10/14 08:29	7/9/14	
Hexachloroethane	0.891 U	5.49	0.891	1	07/10/14 08:29	7/9/14	
Hexachloropropene	1.00 U	5.49	1.00	1	07/10/14 08:29	7/9/14	
Indeno(1,2,3-cd)pyrene	1.87 U	5.49	1.87	1	07/10/14 08:29	7/9/14	
Isodrin	1.98 U	11.0	1.98	1	07/10/14 08:29	7/9/14	
Isophorone	1.98 U	5.49	1.98	1	07/10/14 08:29	7/9/14	
Isosafrole	1.09 U	5.49	1.09	1	07/10/14 08:29	7/9/14	
Kepone	4.18 U	54.9	4.18	1	07/10/14 08:29	7/9/14	
Methapyrilene	3.63 U	5.49	3.63	1	07/10/14 08:29	7/9/14	
Methyl Methanesulfonate	1.76 U	5.49	1.76	1	07/10/14 08:29	7/9/14	
Methyl Parathion	2.20 U	11.0	2.20	1	07/10/14 08:29	7/9/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	0.583 U	5.49	0.583	1	07/10/14 08:29	7/9/14	
Nitrobenzene	2.31 U	5.49	2.31	1	07/10/14 08:29	7/9/14	
N-Nitrosodiethylamine	1.65 U	5.49	1.65	1	07/10/14 08:29	7/9/14	
N-Nitrosodimethylamine	1.06 U	5.49	1.06	1	07/10/14 08:29	7/9/14	
N-Nitrosodi-n-butylamine	1.65 U	5.49	1.65	1	07/10/14 08:29	7/9/14	
N-Nitrosodi-n-propylamine	2.42 U	5.49	2.42	1	07/10/14 08:29	7/9/14	
N-Nitrosomethylethylamine	1.06 U	5.49	1.06	1	07/10/14 08:29	7/9/14	
N-Nitrosopiperidine	1.43 U	5.49	1.43	1	07/10/14 08:29	7/9/14	
N-Nitrosopyrrolidine	1.87 U	5.49	1.87	1	07/10/14 08:29	7/9/14	
O,O,O-Triethyl Phosphorothioate	1.00 U	22.0	1.00	1	07/10/14 08:29	7/9/14	
o-Toluidine	1.98 U	5.49	1.98	1	07/10/14 08:29	7/9/14	
Parathion	1.87 U	22.0	1.87	1	07/10/14 08:29	7/9/14	
p-Dimethylaminoazobenzene	1.21 U	5.49	1.21	1	07/10/14 08:29	7/9/14	
Pentachlorobenzene	0.979 U	5.49	0.979	1	07/10/14 08:29	7/9/14	
Pentachloronitrobenzene (PCNB)	2.75 U	5.49	2.75	1	07/10/14 08:29	7/9/14	
Pentachlorophenol (PCP)	1.21 U	22.0	1.21	1	07/10/14 08:29	7/9/14	
Phenacetin	2.31 U	5.49	2.31	1	07/10/14 08:29	7/9/14	
Phenanthrene	1.54 U	5.49	1.54	1	07/10/14 08:29	7/9/14	
Phenol	0.649 U	5.49	0.649	1	07/10/14 08:29	7/9/14	
Phorate	1.87 U	5.49	1.87	1	07/10/14 08:29	7/9/14	
p-Phenylenediamine	1.32 U	22.0	1.32	1	07/10/14 08:29	7/9/14	
Pronamide	1.87 U	22.0	1.87	1	07/10/14 08:29	7/9/14	
Pyrene	0.814 U	5.49	0.814	1	07/10/14 08:29	7/9/14	
Safrole	0.946 U	5.49	0.946	1	07/10/14 08:29	7/9/14	
Thionazin	1.98 U	11.0	1.98	1	07/10/14 08:29	7/9/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	85	2 - 128	07/10/14 08:29	
2-Fluorobiphenyl	66	8 - 135	07/10/14 08:29	
2-Fluorophenol	50	6 - 76	07/10/14 08:29	
Nitrobenzene-d5	67	10 - 125	07/10/14 08:29	
Phenol-d6	42	6 - 56	07/10/14 08:29	
p-Terphenyl-d14	112	4 - 141	07/10/14 08:29	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benz(a)anthracene	0.0385 U	0.110	0.0385	1	07/10/14 01:08	7/9/14	
Benzo(a)pyrene	0.0341 U	0.110	0.0341	1	07/10/14 01:08	7/9/14	
Benzo(b)fluoranthene	0.0275 U	0.110	0.0275	1	07/10/14 01:08	7/9/14	
Benzo(k)fluoranthene	0.0385 U	0.110	0.0385	1	07/10/14 01:08	7/9/14	
Chrysene	0.0264 U	0.110	0.0264	1	07/10/14 01:08	7/9/14	
Dibenz(a,h)anthracene	0.0396 U	0.110	0.0396	1	07/10/14 01:08	7/9/14	
Indeno(1,2,3-cd)pyrene	0.0440 U	0.110	0.0440	1	07/10/14 01:08	7/9/14	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00707 U	0.0202	0.00707	1	07/11/14 15:55	7/11/14	
1,2-Dibromoethane (EDB)	0.00707 U	0.0202	0.00707	1	07/11/14 15:55	7/11/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	90	70 - 130	07/11/14 15:55	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.0114 U	0.0227	0.0114	1	07/14/14 14:22	7/10/14	
4,4'-DDE	0.0114 U	0.0227	0.0114	1	07/14/14 14:22	7/10/14	
4,4'-DDT	0.0137 U	0.0227	0.0137	1	07/14/14 14:22	7/10/14	
Aldrin	0.0194 U	0.0227	0.0194	1	07/14/14 14:22	7/10/14	
alpha-BHC	0.0160 U	0.0227	0.0160	1	07/14/14 14:22	7/10/14	
alpha-Chlordane	0.00910 U	0.0227	0.00910	1	07/14/14 14:22	7/10/14	
beta-BHC	0.0114 U	0.0227	0.0114	1	07/14/14 14:22	7/10/14	
Chlordane	0.295 U	0.568	0.295	1	07/14/14 14:22	7/10/14	
delta-BHC	0.0239 U	0.0239	0.0239	1	07/14/14 14:22	7/10/14	
Dieldrin	0.0125 U	0.0227	0.0125	1	07/14/14 14:22	7/10/14	
Endosulfan I	0.00796 U	0.0227	0.00796	1	07/14/14 14:22	7/10/14	
Endosulfan II	0.0114 U	0.0227	0.0114	1	07/14/14 14:22	7/10/14	
Endosulfan Sulfate	0.00796 U	0.0227	0.00796	1	07/14/14 14:22	7/10/14	
Endrin	0.0103 U	0.0227	0.0103	1	07/14/14 14:22	7/10/14	
Endrin Aldehyde	0.0319 U	0.0319	0.0319	1	07/14/14 14:22	7/10/14	
Endrin Ketone	0.0103 U	0.0227	0.0103	1	07/14/14 14:22	7/10/14	
gamma-BHC (Lindane)	0.0148 U	0.0227	0.0148	1	07/14/14 14:22	7/10/14	
gamma-Chlordane	0.0125 U	0.0227	0.0125	1	07/14/14 14:22	7/10/14	
Heptachlor	0.0171 U	0.0227	0.0171	1	07/14/14 14:22	7/10/14	
Heptachlor Epoxide	0.0114 U	0.0227	0.0114	1	07/14/14 14:22	7/10/14	
Methoxychlor	0.0103 U	0.0455	0.0103	1	07/14/14 14:22	7/10/14	
Toxaphene	0.291 U	0.568	0.291	1	07/14/14 14:22	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	38	10 - 160	07/14/14 14:22	
Tetrachloro-m-xylene	63	22 - 126	07/14/14 14:22	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.148 U	0.568	0.148	1	07/10/14 16:09	7/10/14	
Aroclor 1221	0.330 U	0.568	0.330	1	07/10/14 16:09	7/10/14	
Aroclor 1232	0.228 U	0.568	0.228	1	07/10/14 16:09	7/10/14	
Aroclor 1242	0.148 U	0.568	0.148	1	07/10/14 16:09	7/10/14	
Aroclor 1248	0.296 U	0.568	0.296	1	07/10/14 16:09	7/10/14	
Aroclor 1254	0.375 U	0.568	0.375	1	07/10/14 16:09	7/10/14	
Aroclor 1260	0.304 U	0.568	0.304	1	07/10/14 16:09	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	53	10 - 151	07/10/14 16:09	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20

Sample Name: MW-24B
Lab Code: J1404955-002

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/10/14 23:45	07/08/14	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	07/10/14 23:45	07/08/14	
Barium, Total Recoverable	6020	54.2	ug/L	2.0	0.5	1	07/10/14 23:45	07/08/14	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	07/10/14 23:45	07/08/14	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	07/10/14 23:45	07/08/14	
Chromium, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/10/14 23:45	07/08/14	
Cobalt, Total Recoverable	6020	0.3 I	ug/L	1.0	0.03	1	07/10/14 23:45	07/08/14	
Copper, Total Recoverable	6020	296	ug/L	1.0	0.3	1	07/10/14 23:45	07/08/14	
Iron, Total Recoverable	6010B	850	ug/L	100	3	1	07/10/14 03:01	07/08/14	
Lead, Total Recoverable	6020	0.66	ug/L	0.50	0.12	1	07/10/14 23:45	07/08/14	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	07/14/14 14:20	07/11/14	
Nickel, Total Recoverable	6020	1.0 I	ug/L	2.0	0.5	1	07/10/14 23:45	07/08/14	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	07/10/14 23:45	07/08/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/10/14 23:45	07/08/14	
Sodium, Total Recoverable	6010B	4.60	mg/L	0.50	0.03	1	07/10/14 03:01	07/08/14	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	07/10/14 23:45	07/08/14	
Tin, Total Recoverable	6010B	2 U	ug/L	40	2	1	07/10/14 03:03	07/08/14	
Vanadium, Total Recoverable	6020	0.8 I	ug/L	2.0	0.3	1	07/10/14 23:45	07/08/14	
Zinc, Total Recoverable	6020	9.1	ug/L	5.0	1.6	1	07/10/14 23:45	07/08/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water
Sample Name: MW-24B
Lab Code: J1404955-002

Service Request: J1404955
Date Collected: 07/07/14 14:45
Date Received: 07/08/14 09:20
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.086	mg/L	0.010	0.007	1	07/10/14 11:02	NA	
Chloride	300.0	6.4	mg/L	1.0	0.2	1	07/09/14 04:00	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	07/14/14 12:23	07/10/14	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/09/14 04:00	NA	
Solids, Total Dissolved	SM 2540 C	70	mg/L	10	10	1	07/11/14 11:14	NA	
Sulfide, Total	SM 4500-S2- F	1.0 IV	mg/L	2.0	0.4	1	07/09/14 14:44	NA	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 00:00
Date Received: 07/08/14 09:20

Sample Name: Trip Blank 1
Lab Code: J1404955-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 17:52	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 17:52	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 17:52	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 17:52	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 17:52	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 17:52	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 17:52	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 17:52	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 17:52	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 17:52	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 17:52	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 17:52	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 17:52	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 17:52	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 17:52	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 17:52	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 17:52	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 17:52	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 17:52	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 17:52	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 17:52	
Acetone	5.6 U	50	5.6	1	07/16/14 17:52	
Acetonitrile	18 U	25	18	1	07/16/14 17:52	
Acrolein	3.0 U	50	3.0	1	07/16/14 17:52	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 17:52	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 17:52	
Benzene	0.21 U	1.0	0.21	1	07/16/14 17:52	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 17:52	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 17:52	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 17:52	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 17:52	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 17:52	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 17:52	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 17:52	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 17:52	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 17:52	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 17:52	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 17:52	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 17:52	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 17:52	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 17:52	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 17:52	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 17:52	*

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 00:00
Date Received: 07/08/14 09:20

Sample Name: Trip Blank 1
Lab Code: J1404955-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 17:52	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 17:52	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 17:52	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 17:52	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 17:52	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 17:52	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 17:52	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 17:52	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 17:52	
Naphthalene	0.38 U	10	0.38	1	07/16/14 17:52	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 17:52	
Propionitrile	3.9 U	25	3.9	1	07/16/14 17:52	
Styrene	0.29 U	1.0	0.29	1	07/16/14 17:52	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 17:52	
Toluene	0.55 I	1.0	0.19	1	07/16/14 17:52	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 17:52	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 17:52	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 17:52	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 17:52	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 17:52	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 17:52	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 17:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/16/14 17:52	
4-Bromofluorobenzene	96	86 - 113	07/16/14 17:52	
Dibromofluoromethane	102	86 - 112	07/16/14 17:52	
Toluene-d8	97	88 - 115	07/16/14 17:52	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 00:00
Date Received: 07/08/14 09:20

Sample Name: Trip Blank 2
Lab Code: J1404955-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 18:18	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 18:18	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 18:18	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 18:18	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 18:18	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 18:18	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 18:18	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 18:18	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 18:18	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 18:18	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 18:18	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 18:18	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 18:18	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 18:18	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 18:18	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 18:18	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 18:18	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 18:18	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 18:18	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 18:18	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 18:18	
Acetone	5.6 U	50	5.6	1	07/16/14 18:18	
Acetonitrile	18 U	25	18	1	07/16/14 18:18	
Acrolein	3.0 U	50	3.0	1	07/16/14 18:18	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 18:18	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 18:18	
Benzene	0.21 U	1.0	0.21	1	07/16/14 18:18	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 18:18	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 18:18	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 18:18	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 18:18	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 18:18	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 18:18	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 18:18	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 18:18	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 18:18	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 18:18	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 18:18	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 18:18	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 18:18	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 18:18	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 18:18	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 18:18	*

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14 00:00
Date Received: 07/08/14 09:20

Sample Name: Trip Blank 2
Lab Code: J1404955-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 18:18	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 18:18	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 18:18	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 18:18	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 18:18	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 18:18	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 18:18	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 18:18	
Methylene Chloride	3.2 I	5.0	0.21	1	07/16/14 18:18	
Naphthalene	0.38 U	10	0.38	1	07/16/14 18:18	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 18:18	
Propionitrile	3.9 U	25	3.9	1	07/16/14 18:18	
Styrene	0.29 U	1.0	0.29	1	07/16/14 18:18	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 18:18	
Toluene	0.19 U	1.0	0.19	1	07/16/14 18:18	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 18:18	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 18:18	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 18:18	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 18:18	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 18:18	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 18:18	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 18:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	72 - 121	07/16/14 18:18	
4-Bromofluorobenzene	92	86 - 113	07/16/14 18:18	
Dibromofluoromethane	103	86 - 112	07/16/14 18:18	
Toluene-d8	97	88 - 115	07/16/14 18:18	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405306-03

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 15:54	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 15:54	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 15:54	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 15:54	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 15:54	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 15:54	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 15:54	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 15:54	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 15:54	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 15:54	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 15:54	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 15:54	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 15:54	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 15:54	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 15:54	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 15:54	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 15:54	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 15:54	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 15:54	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 15:54	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 15:54	
Acetone	5.6 U	50	5.6	1	07/16/14 15:54	
Acetonitrile	18 U	25	18	1	07/16/14 15:54	
Acrolein	3.0 U	50	3.0	1	07/16/14 15:54	
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 15:54	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 15:54	
Benzene	0.21 U	1.0	0.21	1	07/16/14 15:54	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 15:54	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 15:54	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 15:54	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 15:54	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 15:54	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 15:54	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 15:54	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 15:54	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 15:54	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 15:54	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 15:54	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 15:54	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 15:54	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 15:54	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 15:54	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 15:54	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405306-03

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 15:54	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 15:54	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 15:54	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 15:54	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 15:54	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 15:54	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 15:54	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 15:54	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 15:54	
Naphthalene	0.38 U	10	0.38	1	07/16/14 15:54	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 15:54	
Propionitrile	3.9 U	25	3.9	1	07/16/14 15:54	
Styrene	0.29 U	1.0	0.29	1	07/16/14 15:54	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 15:54	
Toluene	0.19 U	1.0	0.19	1	07/16/14 15:54	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 15:54	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 15:54	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 15:54	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 15:54	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 15:54	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 15:54	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 15:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	07/16/14 15:54	
4-Bromofluorobenzene	93	86 - 113	07/16/14 15:54	
Dibromofluoromethane	103	86 - 112	07/16/14 15:54	
Toluene-d8	96	88 - 115	07/16/14 15:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405065-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.20 U	5.00	1.20	1	07/09/14 02:50	7/9/14	
1,2,4-Trichlorobenzene	0.600 U	5.00	0.600	1	07/09/14 02:50	7/9/14	
1,2-Dichlorobenzene	0.640 U	5.00	0.640	1	07/09/14 02:50	7/9/14	
1,3,5-Trinitrobenzene	1.50 U	5.00	1.50	1	07/09/14 02:50	7/9/14	
1,3-Dichlorobenzene	0.920 U	5.00	0.920	1	07/09/14 02:50	7/9/14	
1,3-Dinitrobenzene	0.640 U	10.0	0.640	1	07/09/14 02:50	7/9/14	
1,4-Dichlorobenzene	0.910 U	5.00	0.910	1	07/09/14 02:50	7/9/14	
1,4-Naphthoquinone	1.60 U	10.0	1.60	1	07/09/14 02:50	7/9/14	
1-Naphthylamine	2.00 U	5.00	2.00	1	07/09/14 02:50	7/9/14	
2,3,4,6-Tetrachlorophenol	1.60 U	5.00	1.60	1	07/09/14 02:50	7/9/14	
2,4,5-Trichlorophenol	1.30 U	5.00	1.30	1	07/09/14 02:50	7/9/14	
2,4,6-Trichlorophenol	0.890 U	5.00	0.890	1	07/09/14 02:50	7/9/14	
2,4-Dichlorophenol	1.20 U	5.00	1.20	1	07/09/14 02:50	7/9/14	
2,4-Dimethylphenol	1.50 U	5.00	1.50	1	07/09/14 02:50	7/9/14	
2,4-Dinitrophenol	0.760 U	20.0	0.760	1	07/09/14 02:50	7/9/14	
2,4-Dinitrotoluene	1.30 U	5.00	1.30	1	07/09/14 02:50	7/9/14	
2,6-Dichlorophenol	1.30 U	10.0	1.30	1	07/09/14 02:50	7/9/14	
2,6-Dinitrotoluene	1.10 U	5.00	1.10	1	07/09/14 02:50	7/9/14	
2-Acetylaminofluorene	0.960 U	5.00	0.960	1	07/09/14 02:50	7/9/14	
2-Chloronaphthalene	4.60 U	5.00	4.60	1	07/09/14 02:50	7/9/14	
2-Chlorophenol	1.20 U	5.00	1.20	1	07/09/14 02:50	7/9/14	
2-Methylnaphthalene	0.630 U	5.00	0.630	1	07/09/14 02:50	7/9/14	
2-Methylphenol	1.30 U	5.00	1.30	1	07/09/14 02:50	7/9/14	
2-Naphthylamine	2.30 U	5.00	2.30	1	07/09/14 02:50	7/9/14	
2-Nitroaniline	1.50 U	5.00	1.50	1	07/09/14 02:50	7/9/14	
2-Nitrophenol	1.40 U	20.0	1.40	1	07/09/14 02:50	7/9/14	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	07/09/14 02:50	7/9/14	
3,3'-Dichlorobenzidine	1.40 U	20.0	1.40	1	07/09/14 02:50	7/9/14	
3,3'-Dimethylbenzidine	4.80 U	20.0	4.80	1	07/09/14 02:50	7/9/14	
3-Methylcholanthrene	1.40 U	5.00	1.40	1	07/09/14 02:50	7/9/14	
3-Nitroaniline	1.10 U	5.00	1.10	1	07/09/14 02:50	7/9/14	
4,6-Dinitro-2-methylphenol	1.00 U	20.0	1.00	1	07/09/14 02:50	7/9/14	
4-Aminobiphenyl	1.90 U	5.00	1.90	1	07/09/14 02:50	7/9/14	
4-Bromophenyl Phenyl Ether	1.30 U	5.00	1.30	1	07/09/14 02:50	7/9/14	
4-Chloro-3-methylphenol	1.80 U	5.00	1.80	1	07/09/14 02:50	7/9/14	
4-Chloroaniline	1.40 U	5.00	1.40	1	07/09/14 02:50	7/9/14	
4-Chlorophenyl Phenyl Ether	0.960 U	5.00	0.960	1	07/09/14 02:50	7/9/14	
4-Nitroaniline	1.00 U	5.00	1.00	1	07/09/14 02:50	7/9/14	
4-Nitrophenol	1.80 U	20.0	1.80	1	07/09/14 02:50	7/9/14	
5-Nitro-o-toluidine	1.10 U	5.00	1.10	1	07/09/14 02:50	7/9/14	
7,12-Dimethylbenz(a)anthracene	1.20 U	5.00	1.20	1	07/09/14 02:50	7/9/14	
Acenaphthene	4.20 U	5.00	4.20	1	07/09/14 02:50	7/9/14	
Acenaphthylene	0.990 U	5.00	0.990	1	07/09/14 02:50	7/9/14	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405065-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	1.60 U	10.0	1.60	1	07/09/14 02:50	7/9/14	
Anthracene	1.60 U	5.00	1.60	1	07/09/14 02:50	7/9/14	
Benz(a)anthracene	1.00 U	5.00	1.00	1	07/09/14 02:50	7/9/14	
Benzo(a)pyrene	1.20 U	5.00	1.20	1	07/09/14 02:50	7/9/14	
Benzo(b)fluoranthene	1.00 U	5.00	1.00	1	07/09/14 02:50	7/9/14	
Benzo(g,h,i)perylene	1.40 U	5.00	1.40	1	07/09/14 02:50	7/9/14	
Benzo(k)fluoranthene	1.80 U	5.00	1.80	1	07/09/14 02:50	7/9/14	
Benzyl Alcohol	1.40 U	5.00	1.40	1	07/09/14 02:50	7/9/14	
Bis(2-chloroethoxy)methane	1.20 U	5.00	1.20	1	07/09/14 02:50	7/9/14	
Bis(2-chloroethyl) Ether	1.90 U	5.00	1.90	1	07/09/14 02:50	7/9/14	
Bis(2-chloroisopropyl) Ether	1.50 U	5.00	1.50	1	07/09/14 02:50	7/9/14	
Bis(2-ethylhexyl) Phthalate	1.50 U	5.00	1.50	1	07/09/14 02:50	7/9/14	
Butyl Benzyl Phthalate	0.860 U	10.0	0.860	1	07/09/14 02:50	7/9/14	
Chlorobenzilate	0.900 U	10.0	0.900	1	07/09/14 02:50	7/9/14	
Chrysene	1.20 U	5.00	1.20	1	07/09/14 02:50	7/9/14	
Diallate	1.70 U	5.00	1.70	1	07/09/14 02:50	7/9/14	
Dibenz(a,h)anthracene	1.50 U	5.00	1.50	1	07/09/14 02:50	7/9/14	
Dibenzofuran	1.30 U	5.00	1.30	1	07/09/14 02:50	7/9/14	
Diethyl Phthalate	1.70 U	5.00	1.70	1	07/09/14 02:50	7/9/14	
Dimethoate	1.90 U	5.00	1.90	1	07/09/14 02:50	7/9/14	
Dimethyl Phthalate	1.30 U	5.00	1.30	1	07/09/14 02:50	7/9/14	
Di-n-butyl Phthalate	2.20 U	5.00	2.20	1	07/09/14 02:50	7/9/14	
Di-n-octyl Phthalate	2.80 U	5.00	2.80	1	07/09/14 02:50	7/9/14	
Dinoseb	2.50 U	5.00	2.50	1	07/09/14 02:50	7/9/14	
Diphenylamine + n-Nitrosodiphenylamine	1.10 U	5.00	1.10	1	07/09/14 02:50	7/9/14	
Disulfoton	1.90 U	5.00	1.90	1	07/09/14 02:50	7/9/14	
Ethyl Methanesulfonate	1.60 U	5.00	1.60	1	07/09/14 02:50	7/9/14	
Famphur	1.90 U	10.0	1.90	1	07/09/14 02:50	7/9/14	
Fluoranthene	1.40 U	5.00	1.40	1	07/09/14 02:50	7/9/14	
Fluorene	0.840 U	5.00	0.840	1	07/09/14 02:50	7/9/14	
Hexachlorobenzene	1.70 U	5.00	1.70	1	07/09/14 02:50	7/9/14	
Hexachlorobutadiene	1.20 U	5.00	1.20	1	07/09/14 02:50	7/9/14	
Hexachlorocyclopentadiene	0.500 U	5.00	0.500	1	07/09/14 02:50	7/9/14	
Hexachloroethane	0.810 U	5.00	0.810	1	07/09/14 02:50	7/9/14	
Hexachloropropene	0.910 U	5.00	0.910	1	07/09/14 02:50	7/9/14	
Indeno(1,2,3-cd)pyrene	1.70 U	5.00	1.70	1	07/09/14 02:50	7/9/14	
Isodrin	1.80 U	10.0	1.80	1	07/09/14 02:50	7/9/14	
Isophorone	1.80 U	5.00	1.80	1	07/09/14 02:50	7/9/14	
Isosafrole	0.990 U	5.00	0.990	1	07/09/14 02:50	7/9/14	
Kepone	3.80 U	50.0	3.80	1	07/09/14 02:50	7/9/14	
Methapyrilene	3.30 U	5.00	3.30	1	07/09/14 02:50	7/9/14	
Methyl Methanesulfonate	1.60 U	5.00	1.60	1	07/09/14 02:50	7/9/14	
Methyl Parathion	2.00 U	10.0	2.00	1	07/09/14 02:50	7/9/14	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405065-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	0.530 U	5.00	0.530	1	07/09/14 02:50	7/9/14	
Nitrobenzene	2.10 U	5.00	2.10	1	07/09/14 02:50	7/9/14	
N-Nitrosodiethylamine	1.50 U	5.00	1.50	1	07/09/14 02:50	7/9/14	
N-Nitrosodimethylamine	0.960 U	5.00	0.960	1	07/09/14 02:50	7/9/14	
N-Nitrosodi-n-butylamine	1.50 U	5.00	1.50	1	07/09/14 02:50	7/9/14	
N-Nitrosodi-n-propylamine	2.20 U	5.00	2.20	1	07/09/14 02:50	7/9/14	
N-Nitrosomethylethylamine	0.960 U	5.00	0.960	1	07/09/14 02:50	7/9/14	
N-Nitrosopiperidine	1.30 U	5.00	1.30	1	07/09/14 02:50	7/9/14	
N-Nitrosopyrrolidine	1.70 U	5.00	1.70	1	07/09/14 02:50	7/9/14	
O,O,O-Triethyl Phosphorothioate	0.910 U	20.0	0.910	1	07/09/14 02:50	7/9/14	
o-Toluidine	1.80 U	5.00	1.80	1	07/09/14 02:50	7/9/14	
Parathion	1.70 U	20.0	1.70	1	07/09/14 02:50	7/9/14	
p-Dimethylaminoazobenzene	1.10 U	5.00	1.10	1	07/09/14 02:50	7/9/14	
Pentachlorobenzene	0.890 U	5.00	0.890	1	07/09/14 02:50	7/9/14	
Pentachloronitrobenzene (PCNB)	2.50 U	5.00	2.50	1	07/09/14 02:50	7/9/14	
Pentachlorophenol (PCP)	1.10 U	20.0	1.10	1	07/09/14 02:50	7/9/14	
Phenacetin	2.10 U	5.00	2.10	1	07/09/14 02:50	7/9/14	
Phenanthrene	1.40 U	5.00	1.40	1	07/09/14 02:50	7/9/14	
Phenol	0.590 U	5.00	0.590	1	07/09/14 02:50	7/9/14	
Phorate	1.70 U	5.00	1.70	1	07/09/14 02:50	7/9/14	
p-Phenylenediamine	1.20 U	20.0	1.20	1	07/09/14 02:50	7/9/14	
Pronamide	1.70 U	20.0	1.70	1	07/09/14 02:50	7/9/14	
Pyrene	0.740 U	5.00	0.740	1	07/09/14 02:50	7/9/14	
Safrole	0.860 U	5.00	0.860	1	07/09/14 02:50	7/9/14	
Thionazin	1.80 U	10.0	1.80	1	07/09/14 02:50	7/9/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	89	2 - 128	07/09/14 02:50	
2-Fluorobiphenyl	92	8 - 135	07/09/14 02:50	
2-Fluorophenol	71	6 - 76	07/09/14 02:50	
Nitrobenzene-d5	86	10 - 125	07/09/14 02:50	
Phenol-d6	53	6 - 56	07/09/14 02:50	
p-Terphenyl-d14	85	4 - 141	07/09/14 02:50	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405097-01

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benz(a)anthracene	0.0350 U	0.100	0.0350	1	07/10/14 12:17	7/9/14	
Benzo(a)pyrene	0.0310 U	0.100	0.0310	1	07/10/14 12:17	7/9/14	
Benzo(b)fluoranthene	0.0250 U	0.100	0.0250	1	07/10/14 12:17	7/9/14	
Benzo(k)fluoranthene	0.0350 U	0.100	0.0350	1	07/10/14 12:17	7/9/14	
Chrysene	0.0240 U	0.100	0.0240	1	07/10/14 12:17	7/9/14	
Dibenz(a,h)anthracene	0.0360 U	0.100	0.0360	1	07/10/14 12:17	7/9/14	
Indeno(1,2,3-cd)pyrene	0.0400 U	0.100	0.0400	1	07/10/14 12:17	7/9/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405145-01

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	07/11/14 14:51	7/11/14	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	07/11/14 14:51	7/11/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	108	70 - 130	07/11/14 14:51	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405106-01

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
4,4'-DDE	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
4,4'-DDT	0.0120 U	0.0200	0.0120	1	07/14/14 13:06	7/10/14	
Aldrin	0.0170 U	0.0200	0.0170	1	07/14/14 13:06	7/10/14	
alpha-BHC	0.0140 U	0.0200	0.0140	1	07/14/14 13:06	7/10/14	
alpha-Chlordane	0.00800 U	0.0200	0.00800	1	07/14/14 13:06	7/10/14	
beta-BHC	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
Chlordane	0.259 U	0.500	0.259	1	07/14/14 13:06	7/10/14	
delta-BHC	0.0210 U	0.0210	0.0210	1	07/14/14 13:06	7/10/14	
Dieldrin	0.0110 U	0.0200	0.0110	1	07/14/14 13:06	7/10/14	
Endosulfan I	0.00700 U	0.0200	0.00700	1	07/14/14 13:06	7/10/14	
Endosulfan II	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
Endosulfan Sulfate	0.00700 U	0.0200	0.00700	1	07/14/14 13:06	7/10/14	
Endrin	0.00900 U	0.0200	0.00900	1	07/14/14 13:06	7/10/14	
Endrin Aldehyde	0.0280 U	0.0280	0.0280	1	07/14/14 13:06	7/10/14	
Endrin Ketone	0.00900 U	0.0200	0.00900	1	07/14/14 13:06	7/10/14	
gamma-BHC (Lindane)	0.0130 U	0.0200	0.0130	1	07/14/14 13:06	7/10/14	
gamma-Chlordane	0.0110 U	0.0200	0.0110	1	07/14/14 13:06	7/10/14	
Heptachlor	0.0150 U	0.0200	0.0150	1	07/14/14 13:06	7/10/14	
Heptachlor Epoxide	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
Methoxychlor	0.00900 U	0.0400	0.00900	1	07/14/14 13:06	7/10/14	
Toxaphene	0.256 U	0.500	0.256	1	07/14/14 13:06	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	60	10 - 160	07/14/14 13:06	
Tetrachloro-m-xylene	82	22 - 126	07/14/14 13:06	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405106-01

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.130 U	0.500	0.130	1	07/10/14 14:56	7/10/14	
Aroclor 1221	0.290 U	0.500	0.290	1	07/10/14 14:56	7/10/14	
Aroclor 1232	0.200 U	0.500	0.200	1	07/10/14 14:56	7/10/14	
Aroclor 1242	0.130 U	0.500	0.130	1	07/10/14 14:56	7/10/14	
Aroclor 1248	0.260 U	0.500	0.260	1	07/10/14 14:56	7/10/14	
Aroclor 1254	0.330 U	0.500	0.330	1	07/10/14 14:56	7/10/14	
Aroclor 1260	0.267 U	0.500	0.267	1	07/10/14 14:56	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	72	10 - 151	07/10/14 14:56	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: J1404955-MB

Service Request: J1404955
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/10/14 22:05	07/08/14	
Arsenic, Total Recoverable	6020	0.5 I	ug/L	1.0	0.5	1	07/10/14 22:05	07/08/14	
Barium, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	07/10/14 22:05	07/08/14	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	07/10/14 22:05	07/08/14	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	07/10/14 22:05	07/08/14	
Chromium, Total Recoverable	6020	1.9	ug/L	1.0	0.2	1	07/10/14 22:05	07/08/14	
Cobalt, Total Recoverable	6020	0.03 U	ug/L	1.0	0.03	1	07/10/14 22:05	07/08/14	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	07/10/14 22:05	07/08/14	
Iron, Total Recoverable	6010B	20 I	ug/L	100	3	1	07/10/14 01:02	07/08/14	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	07/10/14 22:05	07/08/14	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	07/14/14 14:08	07/11/14	
Nickel, Total Recoverable	6020	1.1 I	ug/L	2.0	0.5	1	07/10/14 22:05	07/08/14	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	07/10/14 22:05	07/08/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/10/14 22:05	07/08/14	
Sodium, Total Recoverable	6010B	0.03 U	mg/L	0.50	0.03	1	07/10/14 01:02	07/08/14	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	07/10/14 22:05	07/08/14	
Tin, Total Recoverable	6010B	2 U	ug/L	40	2	1	07/10/14 01:03	07/08/14	
Vanadium, Total Recoverable	6020	0.5 I	ug/L	2.0	0.3	1	07/10/14 22:05	07/08/14	
Zinc, Total Recoverable	6020	3.1 I	ug/L	5.0	1.6	1	07/10/14 22:05	07/08/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: J1404955-MB

Service Request: J1404955
Date Collected: NA
Date Received: NA

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.007 U	mg/L	0.010	0.007	1	07/10/14 10:37	NA	
Chloride	300.0	0.2 U	mg/L	1.0	0.2	1	07/08/14 21:36	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	07/14/14 12:06	07/10/14	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/08/14 21:36	NA	
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	07/11/14 11:14	NA	
Sulfide, Total	SM 4500-S2- F	0.5 I	mg/L	2.0	0.4	1	07/09/14 14:44	NA	

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4	4-Bromofluorobenzene	Dibromofluoromethane
		72 - 121	86 - 113	86 - 112
MW-24A	J1404955-001	105	95	104
MW-24B	J1404955-002	104	91	103
Trip Blank 1	J1404955-005	106	96	102
Trip Blank 2	J1404955-006	104	92	103
Lab Control Sample	JQ1405306-01	101	93	102
Duplicate Lab Control Sample	JQ1405306-02	100	94	102
Method Blank	JQ1405306-03	102	93	103

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8
		88 - 115
MW-24A	J1404955-001	96
MW-24B	J1404955-002	94
Trip Blank 1	J1404955-005	97
Trip Blank 2	J1404955-006	97
Lab Control Sample	JQ1405306-01	96
Duplicate Lab Control Sample	JQ1405306-02	97
Method Blank	JQ1405306-03	96

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/16/14

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 402013

Analyte Name	Lab Control Sample JQ1405306-01			Duplicate Lab Control Sample JQ1405306-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1,2-Tetrachloroethane	53.0	50.0	106	52.0	50.0	104	77-118	2	30
1,1,1-Trichloroethane (TCA)	55.9	50.0	112	53.4	50.0	107	70-122	5	30
1,1,2,2-Tetrachloroethane	49.4	50.0	99	49.9	50.0	100	66-135	1	30
1,1,2-Trichloroethane	49.0	50.0	98	49.5	50.0	99	75-122	<1	30
1,1-Dichloroethane (1,1-DCA)	52.1	50.0	104	49.6	50.0	99	79-117	5	30
1,1-Dichloroethene (1,1-DCE)	54.4	50.0	109	51.6	50.0	103	72-128	5	30
1,1-Dichloropropene	55.0	50.0	110	51.3	50.0	103	77-120	7	30
1,2,3-Trichloropropane	50.6	50.0	101	51.2	50.0	102	70-123	1	30
1,2,4-Trichlorobenzene	49.6	50.0	99	47.5	50.0	95	66-127	4	30
1,2-Dibromo-3-chloropropane (DBCP)	45.8	50.0	92	46.4	50.0	93	60-122	1	30
1,2-Dibromoethane (EDB)	51.0	50.0	102	50.5	50.0	101	76-118	<1	30
1,2-Dichlorobenzene	51.6	50.0	103	51.8	50.0	104	81-115	<1	30
1,2-Dichloroethane	51.4	50.0	103	49.8	50.0	100	70-117	3	30
1,2-Dichloropropane	52.6	50.0	105	50.1	50.0	100	79-117	5	30
1,3-Dichlorobenzene	51.1	50.0	102	50.3	50.0	101	82-116	1	30
1,3-Dichloropropane	49.6	50.0	99	49.8	50.0	100	77-120	<1	30
1,4-Dichlorobenzene	49.0	50.0	98	49.2	50.0	98	82-115	<1	30
2,2-Dichloropropane	57.4	50.0	115	53.5	50.0	107	58-137	7	30
2-Butanone (MEK)	51.5	50.0	103	51.4	50.0	103	62-138	<1	30
2-Hexanone	46.5	50.0	93	46.9	50.0	94	74-127	<1	30
4-Methyl-2-pentanone (MIBK)	50.4	50.0	101	50.5	50.0	101	77-120	<1	30
Acetone	49.6	50.0	99	47.2	50.0	94	42-161	5	30
Acetonitrile	50.9	50.0	102	48.4	50.0	97	42-149	5	30
Acrolein	206	125	165 *	207	125	165 *	10-135	<1	30
Acrylonitrile	53.3	50.0	106	53.5	50.0	107	63-132	<1	30
Allyl Chloride	52.7	50.0	105	52.0	50.0	104	68-125	1	30
Benzene	52.6	50.0	105	50.2	50.0	100	80-117	5	30
Bromochloromethane	53.0	50.0	106	51.7	50.0	103	78-118	3	30
Bromodichloromethane	56.0	50.0	112	53.7	50.0	107	75-118	4	30
Bromoform	48.9	50.0	98	49.9	50.0	100	63-121	2	30
Bromomethane	43.1	50.0	86	44.3	50.0	89	31-153	3	30
Carbon Disulfide	51.8	50.0	104	48.9	50.0	98	72-128	6	30
Carbon Tetrachloride	56.1	50.0	112	53.8	50.0	108	67-124	4	30
Chlorobenzene	51.5	50.0	103	50.3	50.0	101	83-118	2	30
Chloroethane	46.7	50.0	93	43.8	50.0	88	68-132	6	30
Chloroform	53.3	50.0	107	50.8	50.0	102	77-116	5	30
Chloromethane	44.6	50.0	89	46.0	50.0	92	60-128	3	30
Chloroprene	56.3	50.0	113	54.3	50.0	109	70-123	4	30
cis-1,2-Dichloroethene	53.2	50.0	106	50.8	50.0	102	78-117	5	30
cis-1,3-Dichloropropene	50.2	50.0	100	49.4	50.0	99	80-119	2	30
Dibromochloromethane	52.1	50.0	104	52.0	50.0	104	74-121	<1	30

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/16/14

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 402013

Analyte Name	Lab Control Sample JQ1405306-01			Duplicate Lab Control Sample JQ1405306-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Dibromomethane	51.4	50.0	103	49.8	50.0	100	76-117	3	30
Dichlorodifluoromethane	71.5	50.0	143 *	67.4	50.0	135 *	49-132	6	30
Ethyl Methacrylate	56.1	50.0	112	56.3	50.0	113	72-126	<1	30
Ethylbenzene	53.5	50.0	107	51.9	50.0	104	82-119	3	30
Hexachlorobutadiene	57.0	50.0	114	54.8	50.0	110	65-132	4	30
Iodomethane	48.0	50.0	96	45.9	50.0	92	51-137	4	30
Isobutyl Alcohol	54.4	50.0	109	54.6	50.0	109	32-145	<1	30
m,p-Xylenes	108	100	108	105	100	105	79-122	2	30
Methacrylonitrile	52.8	50.0	106	52.0	50.0	104	68-129	2	30
Methyl Methacrylate	49.9	50.0	100	50.2	50.0	100	73-128	<1	30
Methylene Chloride	46.1	50.0	92	44.9	50.0	90	75-123	3	30
Naphthalene	43.3	50.0	87	43.3	50.0	87	53-146	<1	30
o-Xylene	53.5	50.0	107	52.1	50.0	104	80-119	3	30
Propionitrile	51.7	50.0	103	49.5	50.0	99	59-134	4	30
Styrene	56.3	50.0	112	55.6	50.0	111	80-121	1	30
Tetrachloroethene (PCE)	55.9	50.0	112	54.3	50.0	109	75-126	3	30
Toluene	51.3	50.0	103	50.1	50.0	100	52-152	2	30
trans-1,2-Dichloroethene	52.9	50.0	106	50.4	50.0	101	75-121	5	30
trans-1,3-Dichloropropene	53.2	50.0	106	52.8	50.0	106	76-118	<1	30
trans-1,4-Dichloro-2-butene	44.3	50.0	89	44.2	50.0	88	10-198	<1	30
Trichloroethene (TCE)	57.0	50.0	114	54.6	50.0	109	78-122	4	30
Trichlorofluoromethane	58.9	50.0	118	57.4	50.0	115	58-134	3	30
Vinyl Acetate	56.1	50.0	112	55.7	50.0	111	36-169	<1	30
Vinyl Chloride	56.6	50.0	113	51.5	50.0	103	69-138	9	30

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol	2-Fluorobiphenyl	2-Fluorophenol
		2 - 128	8 - 135	6 - 76
MW-24A	J1404955-001	84	56	42
MW-24B	J1404955-002	85	66	50
Method Blank	JQ1405065-01	89	92	71
Lab Control Sample	JQ1405065-02	98	99	77 *

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5	Phenol-d6	p-Terphenyl-d14
		10 - 125	6 - 56	4 - 141
MW-24A	J1404955-001	53	37	105
MW-24B	J1404955-002	67	42	112
Method Blank	JQ1405065-01	86	53	85
Lab Control Sample	JQ1405065-02	93	57 *	92

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	p-Terphenyl-d14
		4 - 141
MW-24A	J1404955-001	105
MW-24B	J1404955-002	112
Method Blank	JQ1405065-01	85
Lab Control Sample	JQ1405065-02	92

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/09/14
Date Extracted: 07/09/14

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401027

Lab Control Sample
JQ1405065-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2,4,5-Tetrachlorobenzene	45.1	40.0	113	32-144
1,2,4-Trichlorobenzene	33.7	40.0	84	31-130
1,2-Dichlorobenzene	32.6	40.0	81	32-127
1,3,5-Trinitrobenzene	40.6	40.0	102	40-151
1,3-Dichlorobenzene	32.4	40.0	81	29-125
1,3-Dinitrobenzene	81.6	80.0	102	34-156
1,4-Dichlorobenzene	33.0	40.0	82	30-129
1,4-Naphthoquinone	74.4	80.0	93	42-172
1-Naphthylamine	34.0	40.0	85	21-156
2,3,4,6-Tetrachlorophenol	37.0	40.0	92	28-158
2,4,5-Trichlorophenol	36.5	40.0	91	32-150
2,4,6-Trichlorophenol	37.1	40.0	93	31-147
2,4-Dichlorophenol	34.9	40.0	87	32-137
2,4-Dimethylphenol	35.0	40.0	87	35-134
2,4-Dinitrophenol	161	160	101	17-150
2,4-Dinitrotoluene	34.8	40.0	87	34-160
2,6-Dichlorophenol	70.4	80.0	88	32-136
2,6-Dinitrotoluene	36.2	40.0	90	35-153
2-Acetylaminofluorene	33.6	40.0	84	42-161
2-Chloronaphthalene	37.4	40.0	93	35-138
2-Chlorophenol	33.6	40.0	84	30-124
2-Methylnaphthalene	35.1	40.0	88	29-143
2-Methylphenol	35.0	40.0	88	34-118
2-Naphthylamine	33.4	40.0	84	10-163
2-Nitroaniline	35.6	40.0	89	26-171
2-Nitrophenol	137	160	86	24-143
3- and 4-Methylphenol Coelution	34.7	40.0	87	30-117
3,3'-Dichlorobenzidine	137	160	85	43-151
3,3'-Dimethylbenzidine	125	160	78	9-178
3-Methylcholanthrene	37.1	40.0	93	36-151
3-Nitroaniline	35.6	40.0	89	39-145
4,6-Dinitro-2-methylphenol	156	160	98	16-167
4-Aminobiphenyl	32.0	40.0	80	36-149
4-Bromophenyl Phenyl Ether	37.0	40.0	93	43-145
4-Chloro-3-methylphenol	36.9	40.0	92	34-145
4-Chloroaniline	34.5	40.0	86	36-138
4-Chlorophenyl Phenyl Ether	35.2	40.0	88	39-148
4-Nitroaniline	34.3	40.0	86	40-148
4-Nitrophenol	81.5	160	51	14-98
5-Nitro-o-toluidine	34.1	40.0	85	39-152
7,12-Dimethylbenz(a)anthracene	37.6	40.0	94	37-139

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/09/14
Date Extracted: 07/09/14

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401027

Lab Control Sample
JQ1405065-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Acenaphthene	35.7	40.0	89	32-147
Acenaphthylene	35.8	40.0	90	33-142
Acetophenone	69.3	80.0	87	33-133
Anthracene	37.3	40.0	93	41-146
Benz(a)anthracene	38.0	40.0	95	37-157
Benzo(a)pyrene	38.3	40.0	96	38-150
Benzo(b)fluoranthene	38.5	40.0	96	43-149
Benzo(g,h,i)perylene	35.2	40.0	88	34-150
Benzo(k)fluoranthene	37.3	40.0	93	35-147
Benzyl Alcohol	34.6	40.0	87	31-125
Bis(2-chloroethoxy)methane	32.8	40.0	82	32-139
Bis(2-chloroethyl) Ether	32.3	40.0	81	26-137
Bis(2-chloroisopropyl) Ether	32.1	40.0	80	26-143
Bis(2-ethylhexyl) Phthalate	40.1	40.0	100	42-155
Butyl Benzyl Phthalate	78.5	80.0	98	37-156
Chlorobenzilate	80.6	80.0	101	35-158
Chrysene	37.6	40.0	94	40-148
Diallate	37.6	40.0	94	41-138
Dibenz(a,h)anthracene	34.8	40.0	87	36-155
Dibenzofuran	35.5	40.0	89	36-149
Diethyl Phthalate	36.5	40.0	91	40-151
Dimethoate	43.8	40.0	110	42-154
Dimethyl Phthalate	37.1	40.0	93	38-150
Di-n-butyl Phthalate	37.2	40.0	93	44-149
Di-n-octyl Phthalate	40.0	40.0	100	44-152
Dinoseb	42.0	40.0	105	52-152
Diphenylamine + n-Nitrosodiphenylamine	34.9	40.0	87	38-152
Disulfoton	35.4	40.0	88	39-145
Ethyl Methanesulfonate	34.0	40.0	85	32-135
Famphur	179	80.0	224	40-234
Fluoranthene	36.2	40.0	91	40-148
Fluorene	36.2	40.0	90	38-147
Hexachlorobenzene	38.2	40.0	96	43-148
Hexachlorobutadiene	34.3	40.0	86	34-135
Hexachlorocyclopentadiene	42.9	40.0	107	26-140
Hexachloroethane	32.7	40.0	82	30-133
Hexachloropropene	34.7	40.0	87	28-139
Indeno(1,2,3-cd)pyrene	35.4	40.0	88	35-151
Isodrin	74.0	80.0	92	42-148
Isophorone	34.6	40.0	87	34-142
Isosafrole	33.7	40.0	84	32-148

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/09/14
Date Extracted: 07/09/14

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401027

Lab Control Sample
JQ1405065-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Kepone	737	400	184	10-213
Methapyrilene	25.4	40.0	63	10-159
Methyl Methanesulfonate	34.9	40.0	87	27-133
Methyl Parathion	73.4	80.0	92	45-167
Naphthalene	35.7	40.0	89	33-130
Nitrobenzene	32.9	40.0	82	35-137
N-Nitrosodiethylamine	33.5	40.0	84	32-136
N-Nitrosodimethylamine	23.1	40.0	58	11-99
N-Nitrosodi-n-butylamine	37.2	40.0	93	37-142
N-Nitrosodi-n-propylamine	35.5	40.0	89	36-138
N-Nitrosomethylethylamine	31.9	40.0	80	34-130
N-Nitrosopiperidine	35.4	40.0	89	37-144
N-Nitrosopyrrolidine	35.3	40.0	88	32-140
O,O,O-Triethyl Phosphorothioate	144	160	90	32-141
o-Toluidine	34.3	40.0	86	35-133
Parathion	145	160	91	44-154
p-Dimethylaminoazobenzene	39.6	40.0	99	40-164
Pentachlorobenzene	36.2	40.0	91	37-147
Pentachloronitrobenzene (PCNB)	38.5	40.0	96	44-154
Pentachlorophenol (PCP)	39.0	40.0	97	21-177
Phenacetin	38.5	40.0	96	47-146
Phenanthrene	36.8	40.0	92	41-145
Phenol	22.0	40.0	55	2-95
Phorate	41.9	40.0	105	38-153
Pronamide	154	160	96	43-153
Pyrene	39.5	40.0	99	38-149
Safrole	35.2	40.0	88	35-138
Thionazin	73.9	80.0	92	40-152

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955

SURROGATE RECOVERY SUMMARY

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Extraction Method: Method

1,1,1,2-Tetrachloroethane		
Sample Name	Lab Code	70 - 130
MW-24A	J1404955-001	73
MW-24B	J1404955-002	90
Method Blank	JQ1405145-01	108
Lab Control Sample	JQ1405145-02	98

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955

SURROGATE RECOVERY SUMMARY
Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		10 - 160	22 - 126
MW-24A	J1404955-001	32	57
MW-24B	J1404955-002	38	63
Method Blank	JQ1405106-01	60	82
Lab Control Sample	JQ1405106-02	79	76

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl
		10 - 151
MW-24A	J1404955-001	59
MW-24B	J1404955-002	53
Method Blank	JQ1405106-01	72
Lab Control Sample	JQ1405106-03	96

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/14/14
Date Extracted: 07/10/14

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401713

Lab Control Sample
JQ1405106-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
4,4'-DDD	0.378	0.400	94	12-121
4,4'-DDE	0.364	0.400	91	28-117
4,4'-DDT	0.317	0.400	79	32-126
Aldrin	0.314	0.400	78	30-100
alpha-BHC	0.295	0.400	74	30-111
alpha-Chlordane	0.327	0.400	82	32-118
beta-BHC	0.389	0.400	97	35-112
delta-BHC	0.329	0.400	82	34-120
Dieldrin	0.369	0.400	92	33-118
Endosulfan I	0.259	0.400	65	14-131
Endosulfan II	0.293	0.400	73	13-134
Endosulfan Sulfate	0.340	0.400	85	33-129
Endrin	0.389	0.400	97	24-141
Endrin Aldehyde	0.277	0.400	69	10-136
Endrin Ketone	0.364	0.400	91	34-118
gamma-BHC (Lindane)	0.308	0.400	77	26-114
gamma-Chlordane	0.323	0.400	81	33-117
Heptachlor	0.307	0.400	77	27-119
Heptachlor Epoxide	0.328	0.400	82	30-124
Methoxychlor	0.355	0.400	89	18-153

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/10/14
Date Extracted: 07/10/14

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Units: ug/L
Basis: NA
Analysis Lot: 401527

Lab Control Sample
JQ1405106-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Aroclor 1016	4.07	4.00	102	27-120
Aroclor 1260	4.01	4.00	100	33-112

ALS Group USA, Corp.

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Collected: 07/07/14
Date Received: 07/08/14
Date Analyzed: 07/14/14
Date Extracted: 07/11/14

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-24A
Lab Code: J1404955-001
Analysis Method: 7470A
Prep Method: Method

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike J1404955-001MS		Result	Duplicate Matrix Spike J1404955-001DMS		% Rec Limits	RPD	RPD Limit
			Spike Amount	% Rec		Spike Amount	% Rec			
Mercury, Total	0.06 I	1.3	1.25	97	1.3	1.25	96	75-125	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/10/14 - 07/14/14

Lab Control Sample Summary
Inorganic Parameters

Units: ug/L
Basis: NA

Lab Control Sample
J1404955-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	50.4	50.0	101	80-120
Arsenic, Total Recoverable	6020	50.5	50.0	101	80-120
Barium, Total Recoverable	6020	101	100	101	80-120
Beryllium, Total Recoverable	6020	24.4	25.0	98	80-120
Cadmium, Total Recoverable	6020	19.9	20.0	99	80-120
Chromium, Total Recoverable	6020	50.4	50.0	101	80-120
Cobalt, Total Recoverable	6020	51.4	50.0	103	80-120
Copper, Total Recoverable	6020	50.6	50.0	101	80-120
Iron, Total Recoverable	6010B	4650	5000	93	80-120
Lead, Total Recoverable	6020	24.7	25.0	99	80-120
Mercury, Total	7470A	1.24	1.25	100	80-120
Nickel, Total Recoverable	6020	101	100	101	80-120
Selenium, Total Recoverable	6020	97.9	100	98	80-120
Silver, Total Recoverable	6020	25.5	25.0	102	80-120
Thallium, Total Recoverable	6020	9.80	10.0	98	80-120
Tin, Total Recoverable	6010B	1870	2000	94	80-120
Vanadium, Total Recoverable	6020	98.7	100	99	80-120
Zinc, Total Recoverable	6020	246	250	98	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 7/10/14

Lab Control Sample Summary
Inorganic Parameters

Units: mg/L
Basis: NA

Lab Control Sample
J1404955-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	23.6	25.0	94	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955**Date Collected:** 07/07/14**Date Received:** 07/08/14**Date Analyzed:** 07/11/14**Replicate Sample Summary
General Chemistry Parameters****Sample Name:** MW-24B**Units:** mg/L**Lab Code:** J1404955-002**Basis:** NA

					Duplicate Sample J1404955- 002DUP			
Analyte Name	Analysis Method	PQL	MDL	Sample Result	Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	10	70	71	70.5	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/08/14 - 07/11/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L**Basis:** NA**Lab Control Sample**

J1404955-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.957	1.00	96	90-110
Chloride	300.0	25.2	25.0	101	90-110
Nitrate as Nitrogen	300.0	5.36	5.00	107	90-110
Solids, Total Dissolved	SM 2540 C	305	300	102	85-115

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 7/14/14

Lab Control Sample Summary
General Chemistry Parameters

Units: ug/L
Basis: NA

Lab Control Sample
J1404955-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	335.4	102	100	102	90-110

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF New Wells
Sample Matrix: Water

Service Request: J1404955
Date Analyzed: 07/09/14

Duplicate Lab Control Sample Summary
General Chemistry Parameters

Analysis Method: SM 4500-S2- F

Units: mg/L
Basis: NA
Analysis Lot: 400869

Lab Control Sample
J1404955-LCS2

Duplicate Lab Control Sample
J1404955-DLCS2

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Sulfide, Total	21.2	20.0	106	21.5	20.0	108	85-115	1	20

Cooler Receipt Form

Client: PWSFC Service Request #: 5/404955
 Project: SED SLODF (new wells)
 Cooler received on 7/8/14 and opened on 7/8/14 by EH
 COURIER: ALS UPS FEDEX Client Other _____ Airbill # 7705-30133213

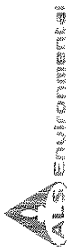
- 1 Were custody seals on outside of cooler? ☒ Yes ☐ No
 If yes, how many and where? #: 1 on lid other _____
- 2 Were seals intact and signature and date correct? ☒ Yes ☐ No N/A
- 3 Were custody papers properly filled out? ☐ Yes ☐ No N/A
- 4 Temperature of cooler(s) upon receipt (Should be > 0°C and < 6°C) 3.6°C, 1.7°C, 4.9°C, 4.6°C
- 5 Thermometer ID T 71
- 6 Temperature Blank Present? ☒ Yes ☐ No
- 7 Were Ice or Ice Packs present ☒ Ice ☐ Ice Packs ☐ No
- 8 Did all bottles arrive in good condition (unbroken, etc....)? ☒ Yes ☐ No N/A
- 9 Type of packing material present
 Netting ☐ Vial Holder ☐ Bubble Wrap ☒
 Paper ☐ Styrofoam ☐ Other ☐ N/A
- 10 Were all bottle labels complete (sample ID, preservation, etc....)? ☒ Yes ☐ No N/A
- 11 Did all bottle labels and tags agree with custody papers? ☐ Yes ☐ No N/A
- 12 Were the correct bottles used for the tests indicated? ☐ Yes ☐ No N/A
- 13 Were all of the preserved bottles received with the appropriate preservative?
 HNO₃ pH<2 ☒ H₂SO₄ pH<2 ☒ ZnAc₂/NaOH pH>9 ☒ NaOH pH>12 ☒ HCl pH<2
 Preservative additions noted below _____
- 14 Were all samples received within analysis holding times? ☐ Yes ☐ No N/A
- 15 Were all VOA vials free of air bubbles? If present, note below ☐ Yes ☐ No N/A
- 16 Where did the bottles originate? ☐ ALS ☐ Client

Sample ID	Reagent	Lot #	ml added	Initials Date/Time
<u>MW24A</u>	<u>NaOH</u>	<u>GEN844-7C</u>	<u>↓</u>	<u>EH 7/8/14 1230</u>
<u>MW24B</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted:

Date:



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

9143 Phillips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

SR#

J1404955

CAS Contract

5

J1404955

Waste Services of Florida, Inc.

JED SWDF New Wells

ANALYSIS REQUESTED (Include Method Number and)

PRESERVATIVE 1 0 0 3 4 0 2 0 0

NUMBER OF CONTAINERS

Preservative Key
0. NONE
1. HCL
2. HNO₃
3. H₂SO₄
4. NaOH
5. Zn Acetate
6. MeOH
7. NaHSO₄
8. Other

REMARKS/
ALTERNATE DESCRIPTION

Project Name

SED SWDF (new wells)

Project Manager

Joe Terry

Company Address

11457 C.E. 672

Phone

904-943-8613

Project

Riverview, FL 33569

FAX #

Sample's Signature

Joe Terry

LAB ID

CLIENT SAMPLE ID

MW-241A

MW-24B

Top Block-2

Top Block-2

DATE

7-7-14

TIME

1340

MATRIX

GW

DATE

7-7-14

TIME

1445

MATRIX

GW

DATE

7-7-14

TIME

0000

MATRIX

DPH

DATE

7-7-14

TIME

0000

MATRIX

DPH

DATE

7-7-14

TIME

0000

MATRIX

DPH

DATE

7-7-14

TIME

0000

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 14188-SED-1
14188-SE-PT

See QAPP

SAMPLE RECEIPT: CONDITION/COOLER TEMP:

RELINQUISHED BY

SIGNATURE

Joe Terry

PRINTED NAME

Joe Terry

FIRM

ALS

DATE/TIME

7-7-14/1600

CUSTODY SEALS: Y N

RELINQUISHED BY

SIGNATURE

Joe Terry

PRINTED NAME

Joe Terry

FIRM

ALS

DATE/TIME

7-7-14/1600

TURNAROUND REQUIREMENTS

RUSH (SURCHARGES APPLY)

STANDARD

REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS

I. Results Only

II. Results + QC Summaries

III. Results + QC and Calibration

IV. Data Validation Report with Raw Data

V. Specialized Forms / Custom Report

Edata Yes No

RELINQUISHED BY

SIGNATURE

Joe Terry

PRINTED NAME

Joe Terry

FIRM

ALS

DATE/TIME

7-7-14/1600

INVOICE INFORMATION

PO #

BILL TO:

RECEIVED BY

SIGNATURE

PRINTED NAME

FIRM

DATE/TIME

7-7-14/1600

7-7-14/1600

7-7-14/1600

7-7-14/1600



ALS Environmental Services
9143 Philips Highway, Suite 200
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix A

Subcontracted Analytical Results



ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

Wednesday, July 16, 2014

ALS Environmental (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for

Project Number: J1404955, Project Name/Desc: J1404955

ENCO Workorder(s): A403935

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, July 9, 2014.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Ronald Wambles

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: J1404955-001	Lab ID: A403935-01	Sampled: 07/07/14 13:40	Received: 07/09/14 08:00
--------------------------------	---------------------------	--------------------------------	---------------------------------

<u>Parameter</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 8141B	07/14/14	08/19/14	07/10/14	09:30	07/11/14 22:01
EPA 8151A	07/14/14	08/20/14	07/11/14	06:00	07/15/14 14:41

Client ID: J1404955-002	Lab ID: A403935-02	Sampled: 07/07/14 14:45	Received: 07/09/14 08:00
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<u>Parameter</u>	<u>Hold Date/Time(s)</u>		<u>Prep Date/Time(s)</u>		<u>Analysis Date/Time(s)</u>
EPA 8141B	07/14/14	08/19/14	07/10/14	09:30	07/11/14 23:04
EPA 8151A	07/14/14	08/20/14	07/11/14	06:00	07/15/14 15:08

SAMPLE DETECTION SUMMARY

No positive results detected.

ANALYTICAL RESULTS

Description: J1404955-001

Lab Sample ID: A403935-01

Received: 07/09/14 08:00

Matrix: Water

Sampled: 07/07/14 13:40

Work Order: A403935

Project: J1404955

Sampled By: Craig Myers

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.26	U	ug/L	1	0.26	0.50	4G11001	EPA 8151A	07/15/14 14:41	RC	
2,4,5-TP (Silvex) [93-72-1]^	0.21	U	ug/L	1	0.21	0.50	4G11001	EPA 8151A	07/15/14 14:41	RC	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	4G11001	EPA 8151A	07/15/14 14:41	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	4G11001	EPA 8151A	07/15/14 14:41	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	4G11001	EPA 8151A	07/15/14 14:41	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.9	1	2.02	92 %	68-139	4G11001	EPA 8151A	07/15/14 14:41	RC	

Organophosphorus Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Azinphos-methyl [86-50-0]^	0.44	U	ug/L	1	0.44	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	QV-01
Methyl parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	4G10007	EPA 8141B	07/11/14 22:01	RC	QV-01
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	QV-01
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	4G10007	EPA 8141B	07/11/14 22:01	RC	
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	4G10007	EPA 8141B	07/11/14 22:01	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	4.8	1	5.05	96 %	22-165	4G10007	EPA 8141B	07/11/14 22:01	RC	

ANALYTICAL RESULTS

Description: J1404955-002

Lab Sample ID: A403935-02

Received: 07/09/14 08:00

Matrix: Water

Sampled: 07/07/14 14:45

Work Order: A403935

Project: J1404955

Sampled By: Craig Myers

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.26	U	ug/L	1	0.26	0.50	4G11001	EPA 8151A	07/15/14 15:08	RC	
2,4,5-TP (Silvex) [93-72-1]^	0.21	U	ug/L	1	0.21	0.50	4G11001	EPA 8151A	07/15/14 15:08	RC	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	4G11001	EPA 8151A	07/15/14 15:08	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	4G11001	EPA 8151A	07/15/14 15:08	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	4G11001	EPA 8151A	07/15/14 15:08	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.7	1	2.04	82 %	68-139	4G11001	EPA 8151A	07/15/14 15:08	RC	

Organophosphorus Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Azinphos-methyl [86-50-0]^	0.44	U	ug/L	1	0.44	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	QV-01
Methyl parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	4G10007	EPA 8141B	07/11/14 23:04	RC	QV-01
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	QV-01
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	4G10007	EPA 8141B	07/11/14 23:04	RC	
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	4G10007	EPA 8141B	07/11/14 23:04	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	4.9	1	5.10	96 %	22-165	4G10007	EPA 8141B	07/11/14 23:04	RC	

QUALITY CONTROL DATA

Chlorinated Herbicides by GC - Quality Control

Batch 4G11001 - EPA 3510C

Blank (4G11001-BLK1)

Prepared: 07/11/2014 06:00 Analyzed: 07/15/2014 13:19

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.26	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.21	U	0.50	ug/L							
2,4-D	0.27	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.19	U	0.50	ug/L							
2,4-DCAA	1.7			ug/L	2.00		87	68-139			

LCS (4G11001-BS1)

Prepared: 07/11/2014 06:00 Analyzed: 07/15/2014 17:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.9		0.50	ug/L	2.00		97	70-114			
2,4-D	1.8		0.50	ug/L	2.00		89	37-129			
2,4-DCAA	1.7			ug/L	2.00		83	68-139			

Matrix Spike (4G11001-MS1)

Prepared: 07/11/2014 06:00 Analyzed: 07/15/2014 17:21

Source: A403858-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.9		0.50	ug/L	2.00	0.21 U	93	70-114			
2,4-D	1.7		0.50	ug/L	2.00	0.27 U	86	37-129			
2,4-DCAA	1.6			ug/L	2.00		80	68-139			

Matrix Spike Dup (4G11001-MSD1)

Prepared: 07/11/2014 06:00 Analyzed: 07/15/2014 13:47

Source: A403858-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.9		0.50	ug/L	2.00	0.21 U	95	70-114	2	15	
2,4-D	1.8		0.50	ug/L	2.00	0.27 U	88	37-129	3	33	
2,4-DCAA	1.7			ug/L	2.00		86	68-139			

Organophosphorus Compounds by GC - Quality Control

Batch 4G10007 - EPA 3510C

Blank (4G10007-BLK1)

Prepared: 07/10/2014 09:30 Analyzed: 07/11/2014 16:46

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Azinphos-methyl	0.44	U	0.50	ug/L							
Bolstar	0.39	U	0.50	ug/L							
Chlorpyrifos	0.29	U	0.50	ug/L							
Coumaphos	0.42	U	0.50	ug/L							
Demeton	0.28	U	0.50	ug/L							
Diazinon	0.27	U	0.50	ug/L							
Dichlorofenthion	0.28	U	0.50	ug/L							
Dichlorvos	0.39	U	0.50	ug/L							
Dimethoate	0.35	U	0.50	ug/L							
Disulfoton	0.29	U	0.50	ug/L							
EPN	0.40	U	0.50	ug/L							
Ethion	0.38	U	0.50	ug/L							

QUALITY CONTROL DATA

Organophosphorus Compounds by GC - Quality Control

Batch 4G10007 - EPA 3510C - Continued

Blank (4G10007-BLK1) Continued

Prepared: 07/10/2014 09:30 Analyzed: 07/11/2014 16:46

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethoprop	0.26	U	0.50	ug/L							
Ethyl Parathion	0.33	U	0.50	ug/L							
Fensulfothion	0.41	U	0.50	ug/L							
Fenthion	0.28	U	0.50	ug/L							
Malathion	0.31	U	0.50	ug/L							
Merphos	0.48	U	0.50	ug/L							QV-01
Methyl parathion	0.31	U	0.50	ug/L							
Mevinphos	0.47	U	0.50	ug/L							
Monocrotophos	0.22	U	0.50	ug/L							
Naled	0.50	U	1.0	ug/L							QV-01
Phorate	0.30	U	0.50	ug/L							
Ronnel	0.29	U	0.50	ug/L							
Stirophos (Tetrachlorvinphos)	0.41	U	0.50	ug/L							
Sulfotep	0.30	U	0.50	ug/L							
TEPP	0.63	U	1.0	ug/L							
Tokuthion (Prothiofos)	0.33	U	0.50	ug/L							
Triphenyl phosphate	4.7			ug/L	5.00		94	22-165			

LCS (4G10007-BS1)

Prepared: 07/10/2014 09:30 Analyzed: 07/11/2014 17:49

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	2.8		0.50	ug/L	4.00		69	10-171			
EPN	2.8		0.50	ug/L	4.00		70	10-168			
Malathion	3.0		0.50	ug/L	4.00		74	17-167			
Monocrotophos	2.0		0.50	ug/L	4.00		50	10-197			
Naled	2.0		1.0	ug/L	4.00		49	10-200			
Sulfotep	2.7		0.50	ug/L	4.00		68	50-200			
TEPP	2.3		1.0	ug/L	4.00		58	50-106			
Triphenyl phosphate	4.2			ug/L	5.00		84	22-165			

Matrix Spike (4G10007-MS1)

Prepared: 07/10/2014 09:30 Analyzed: 07/11/2014 18:52

Source: A403858-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	3.3		0.50	ug/L	4.00	0.35 U	83	10-171			
EPN	3.3		0.50	ug/L	4.00	0.40 U	84	10-168			
Malathion	3.5		0.50	ug/L	4.00	0.31 U	87	17-167			
Monocrotophos	1.8		0.50	ug/L	4.00	0.22 U	45	10-197			
Naled	2.1		1.0	ug/L	4.00	0.50 U	53	10-200			
Sulfotep	3.3		0.50	ug/L	4.00	0.30 U	82	50-200			
TEPP	2.8		1.0	ug/L	4.00	0.63 U	71	10-106			
Triphenyl phosphate	4.7			ug/L	5.00		94	22-165			

Matrix Spike Dup (4G10007-MSD1)

Prepared: 07/10/2014 09:30 Analyzed: 07/11/2014 19:55

Source: A403858-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	3.2		0.50	ug/L	4.00	0.35 U	81	10-171	2	20	
EPN	3.6		0.50	ug/L	4.00	0.40 U	89	10-168	7	50	

QUALITY CONTROL DATA

Organophosphorus Compounds by GC - Quality Control

Batch 4G10007 - EPA 3510C - Continued

Matrix Spike Dup (4G10007-MSD1) Continued

Prepared: 07/10/2014 09:30 Analyzed: 07/11/2014 19:55

Source: A403858-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Malathion	3.6		0.50	ug/L	4.00	0.31 U	90	17-167	4	39	
Monocrotophos	1.6		0.50	ug/L	4.00	0.22 U	40	10-197	11	29	
Naled	2.2		1.0	ug/L	4.00	0.50 U	56	10-200	6	50	
Sulfotep	3.2		0.50	ug/L	4.00	0.30 U	80	50-200	2	25	
TEPP	2.4		1.0	ug/L	4.00	0.63 U	60	10-106	16	28	
Triphenyl phosphate	5.2			ug/L	5.00		104	22-165			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ALS Environmental Chain of Custody

9143 Philips Highway, Suite 200 • Jacksonville, FL 32256 • 904-739-2277 • FAX 904-739-2011

ALS Contact: Craig Myers

Project Number: J1404955

Project Manager: Craig Myers

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID	HERB 8151A	Pest OP 8141B
				Date	Time			
J1404955-001	MW-24A	2	Water	7/7/14	1340	ENCO	X	X
J1404955-002	MW-24B	2	Water	7/7/14	1445	ENCO	X	X

Test Comments

Pest OP - 8141B

HERB - 8151A

J1404955-001,2

J1404955-001,2

Report Appendix II List

Report Appendix II List

Special Instructions/Comments H - Test is On Hold P - Test is Authorized for Prep Only	Turnaround Requirements ___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ___ STANDARD	Report Requirements ___ I. Results Only ___ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J ___ Y EDD ___ Y	Invoice Information PO# J1404955 Bill to
	Requested FAX Date: _____		
	Requested Report Date: 07/22/14		

Relinquished By: Mum Luthy 7/8/14

Received By: Paul L. Blum

Page 80 of 87

1.8°C

Airbill Number:

Relinquished by Christine Tomp 7-8-14 17:18

7/8/14 JLB 7/9/14 8:00



ALS Environmental Services
9143 Philips Highway, Suite 200
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix B

Subcontracted Analytical Results



Craig Myers
ALS Environmental
9143 Philips Hwy, Suite 200
Jacksonville, FL 33256

July 23, 2014

SunLabs Project Number: **4070902**
Client Project Description: **J1404955**

Dear Mr. Myers,

Enclosed is the report of laboratory analysis for the following samples:

Sample Number	Sample Description	Date Collected	Date Received
4070902-01	J1404955-003 (MW-24A)	07/07/14 13:40	07/09/14 09:30
4070902-02	J1404955-004 (MW-24B)	07/07/14 14:45	07/09/14 09:30

Narrative

Unless otherwise noted below or in the report and where applicable:

- Samples were received at the proper temperature and analyzed as received.
- Sample condition upon receipt is reported on the chain-of-custody attached to this report.
- Results for all solid matrices are reported on a dry weight basis.
- Appropriate calibration and QC criteria were satisfactorily met.
- All applicable holding times for analytes have been met.
- Copies of the chains-of-custody, if received, are attached to this report.

QC Batch B005991 had an exception for Kepone on the LCS and LCSD. Any positive result for this analyte may be biased low.

If you have any questions or comments concerning this report, please do not hesitate to contact us.

Michael W. Palmer
Vice President, Laboratory Operations

Unless Otherwise Noted and Where Applicable:

The result herein relate only to the items tested or to the samples as received by the laboratory. This report shall not be reproduced except in full, without the written approval of SunLabs. All samples will be disposed of within 60 days of the date of receipt of the samples. All results meet the requirements of the NELAC standards. Uncertainty values are available upon request.



Report of Laboratory Analysis

SunLabs Project Number
4070902

ALS Environmental
Project Description
J1404955

July 23, 2014

SunLabs Sample Number: **4070902-01**
Sample Designation: **J1404955-003 (MW-24A)**

Matrix: **Water**
Date Collected: **07/07/14 13:40**
Date Received: **07/09/14 09:30**

Parameters	Method	Units	Results	Dil Factor	MDL	PQL	CAS Number	Date/Time Analyzed	Date/Time Prep
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Organochlorine Pesticides by EPA 505

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (70-130)	EPA 505	%	74.9	1			877-09-8	07/18/14 20:57	07/17/14 16:03
Hexachlorobenzene	EPA 505	ug/L	0.0068 U	1	0.0068	0.027	118-74-1	07/18/14 20:57	07/17/14 16:03

Organochlorine Pesticides by EPA Method 8081

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (0-154)	EPA 8081	%	38.5	1			877-09-8	07/23/14 12:36	07/14/14 17:08
Chlorobenzilate	EPA 8081	ug/L	0.0011 U	1	0.0011	0.0044	510-15-6	07/23/14 12:36	07/14/14 17:08
Diallate	EPA 8081	ug/L	0.036 U	1	0.036	0.14	2303-16-4	07/23/14 12:36	07/14/14 17:08

Semi-volatile Organic Compounds by Method 8270

Method Qualifier:

Surrogate: Nitrobenzene-d5 (0-118)	EPA 8270	%	55.8	1			4165-60-0	07/18/14 21:50	07/14/14 19:45
Surrogate: 2-Fluorobiphenyl (0-115)	EPA 8270	%	49.0	1			321-60-8	07/18/14 21:50	07/14/14 19:45
Surrogate: p-Terphenyl-d14 (1-148)	EPA 8270	%	68.1	1			1718-51-0	07/18/14 21:50	07/14/14 19:45
2,4-Dinitrotoluene	EPA 8270	ug/L	4.6 U	1	4.6	5.6	121-14-2	07/18/14 21:50	07/14/14 19:45
Famphur	EPA 8270	ug/L	0.78 U	1	0.78	11	52-85-7	07/19/14 00:58	07/14/14 19:45
Kepone	EPA 8270	ug/L	4.7 U	1	4.7	56	143-50-0	07/22/14 01:55	07/14/14 19:45
Pentachloronitrobenzene **	EPA 8270	ug/L	1.7 U	1	1.7	5.6	82-68-8	07/22/14 01:55	07/14/14 19:45



Report of Laboratory Analysis

SunLabs Project Number
4070902

ALS Environmental
Project Description
J1404955

July 23, 2014

SunLabs Sample Number: **4070902-02**
Sample Designation: **J1404955-004 (MW-24B)**

Matrix: **Water**
Date Collected: **07/07/14 14:45**
Date Received: **07/09/14 09:30**

Parameters	Method	Units	Results	Dil Factor	MDL	PQL	CAS Number	Date/Time Analyzed	Date/Time Prep
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Organochlorine Pesticides by EPA 505

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (70-130)	EPA 505	%	84.6	1			877-09-8	07/18/14 21:07	07/17/14 16:03
Hexachlorobenzene	EPA 505	ug/L	0.0068 U	1	0.0068	0.027	118-74-1	07/18/14 21:07	07/17/14 16:03

Organochlorine Pesticides by EPA Method 8081

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (0-154)	EPA 8081	%	29.4	1			877-09-8	07/23/14 12:46	07/14/14 17:08
Chlorobenzilate	EPA 8081	ug/L	0.0011 U	1	0.0011	0.0046	510-15-6	07/23/14 12:46	07/14/14 17:08
Diallate	EPA 8081	ug/L	0.037 U	1	0.037	0.15	2303-16-4	07/23/14 12:46	07/14/14 17:08

Semi-volatile Organic Compounds by Method 8270

Method Qualifier:

Surrogate: Nitrobenzene-d5 (0-118)	EPA 8270	%	57.9	1			4165-60-0	07/18/14 22:12	07/14/14 19:45
Surrogate: 2-Fluorobiphenyl (0-115)	EPA 8270	%	49.5	1			321-60-8	07/18/14 22:12	07/14/14 19:45
Surrogate: p-Terphenyl-d14 (1-148)	EPA 8270	%	29.8	1			1718-51-0	07/18/14 22:12	07/14/14 19:45
2,4-Dinitrotoluene	EPA 8270	ug/L	4.8 U	1	4.8	5.9	121-14-2	07/18/14 22:12	07/14/14 19:45
Famphur	EPA 8270	ug/L	0.81 U	1	0.81	12	52-85-7	07/19/14 01:17	07/14/14 19:45
Kepone	EPA 8270	ug/L	4.9 U	1	4.9	59	143-50-0	07/22/14 02:17	07/14/14 19:45
Pentachloronitrobenzene **	EPA 8270	ug/L	1.8 U	1	1.8	5.9	82-68-8	07/22/14 02:17	07/14/14 19:45

Footnotes

U	The compound was analyzed for but not detected.
J	The reported value failed to meet the established quality control criteria for either precision or accuracy (see cover letter for explanation)
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
**	SunLabs is not currently NELAC certified for this analyte. Unless directed otherwise by client, a NELAC certified sub-contract laboratory has performed this analysis (see cover letter for details).
LCS / LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
MB	Method Blank
MS / MSD	Matrix Spike / Matrix Spike Duplicate
RPD	Relative Percent Difference



Quality Control Data

SunLabs
Project Number

4070902

ALS Environmental

Project Description

J1404955

Batch No: **B005991**

Test: **8270 APPIX**

Analyte	Result	Units	Spike Level	Parent Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Blank (B005991-BLK1)			Prepared: 07/14/14 Analyzed: 07/18/14						
Surrogate: Nitrobenzene-d5	61	ug/L	100		60.7	0-118			
Surrogate: 2-Fluorobiphenyl	43	ug/L	100		42.6	0-115			
Surrogate: p-Terphenyl-d14	54	ug/L	100		54.5	1-148			
2,4-Dinitrotoluene	4.1 U	ug/L							
Famphur	0.69 U	ug/L							
Kepone	4.2 U	ug/L							
Pentachloronitrobenzene	1.5 U	ug/L							
LCS (B005991-BS1)			Prepared: 07/14/14 Analyzed: 07/18/14						
Surrogate: Nitrobenzene-d5	72	ug/L	100		72.2	0-118			
Surrogate: 2-Fluorobiphenyl	57	ug/L	100		56.7	0-115			
Surrogate: p-Terphenyl-d14	51	ug/L	100		50.8	1-148			
2,4-Dinitrotoluene	42	ug/L	50		84.8	51-119			
Famphur	0.69 U	ug/L				70-130			
Kepone	4.4	ug/L	50		8.74	22-72			J
Pentachloronitrobenzene	60	ug/L				64-98			
LCS (B005991-BS2)			Prepared: 07/15/14 Analyzed: 07/19/14						
Surrogate: Nitrobenzene-d5	0.0	ug/L	100			0-118			
Surrogate: 2-Fluorobiphenyl	0.0	ug/L	100			0-115			
Surrogate: p-Terphenyl-d14	31	ug/L	100		30.9	1-148			
2,4-Dinitrotoluene	4.1 U	ug/L				51-119			
Famphur	0.82	ug/L	1.0		81.8	70-130			
Kepone	4.2 U	ug/L				22-72			
Pentachloronitrobenzene	1.5 U	ug/L				64-98			
LCS Dup (B005991-BSD1)			Prepared: 07/14/14 Analyzed: 07/18/14						
Surrogate: Nitrobenzene-d5	71	ug/L	100		70.8	0-118			
Surrogate: 2-Fluorobiphenyl	56	ug/L	100		56.2	0-115			
Surrogate: p-Terphenyl-d14	45	ug/L	100		44.8	1-148			
2,4-Dinitrotoluene	45	ug/L	50		89.3	51-119	5.17	20	
Famphur	0.69 U	ug/L				70-130		20	
Kepone	4.4	ug/L	50		8.84	22-72	1.14	20	J
Pentachloronitrobenzene	56	ug/L				64-98	5.88	20	
LCS Dup (B005991-BSD2)			Prepared: 07/15/14 Analyzed: 07/19/14						
Surrogate: Nitrobenzene-d5	0.0	ug/L	100			0-118			
Surrogate: 2-Fluorobiphenyl	0.0	ug/L	100			0-115			
Surrogate: p-Terphenyl-d14	32	ug/L	100		31.5	1-148			
2,4-Dinitrotoluene	4.1 U	ug/L				51-119		20	
Famphur	0.86	ug/L	1.0		85.8	70-130	4.76	20	
Kepone	4.2 U	ug/L				22-72		20	
Pentachloronitrobenzene	1.5 U	ug/L				64-98		20	



Quality Control Data

SunLabs
Project Number

4070902

ALS Environmental

Project Description

J1404955

Batch No: **B005993**
Test: **8081 MISC Pesticides**

Analyte	Result	Units	Spike Level	Parent Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Blank (B005993-BLK1)			Prepared: 07/14/14 Analyzed: 07/23/14						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	0.055	ug/L	0.10		55.3	0-154			
Surrogate: Decachlorobiphenyl	0.033	ug/L	0.10		33.1	10-139			
Chlorobenzilate	0.0010 U	ug/L							
Diallate	0.032 U	ug/L							
LCS (B005993-BS1)			Prepared: 07/14/14 Analyzed: 07/23/14						
Chlorobenzilate	0.090	ug/L	0.10		89.9	50-130			
Diallate	0.29	ug/L	0.50		58.4	40-160			
LCS Dup (B005993-BSD1)			Prepared: 07/14/14 Analyzed: 07/23/14						
Chlorobenzilate	0.091	ug/L	0.10		90.7	50-130	0.915	20	
Diallate	0.33	ug/L	0.50		66.6	40-160	13.3	20	

Batch No: **B006060**
Test: **505 REG Pesticides**

Analyte	Result	Units	Spike Level	Parent Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Blank (B006060-BLK1)			Prepared: 07/17/14 Analyzed: 07/18/14						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	100	ug/L	100		105	70-130			
Surrogate: Decachlorobiphenyl	110	ug/L	100		109	70-130			
Hexachlorobenzene	0.0068 U	ug/L							
LCS (B006060-BS1)			Prepared: 07/17/14 Analyzed: 07/18/14						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	120	ug/L	100		116	70-130			
Surrogate: Decachlorobiphenyl	100	ug/L	100		99.8	70-130			
Hexachlorobenzene	1.0	ug/L	1.0		101	70-130			
LCS Dup (B006060-BSD1)			Prepared: 07/17/14 Analyzed: 07/18/14						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	120	ug/L	100		121	70-130			
Surrogate: Decachlorobiphenyl	88	ug/L	100		88.4	70-130			
Hexachlorobenzene	1.1	ug/L	1.0		110	70-130	8.45	20	
Matrix Spike (B006060-MS1)			Parent Sample: 4071103-03		Prepared: 07/17/14 Analyzed: 07/18/14				
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	86	ug/L	100		86.1	70-130			
Surrogate: Decachlorobiphenyl	70	ug/L	100		70.1	70-130			
Hexachlorobenzene	0.82	ug/L	1.0	ND	82.4	65-135			

Samples Associated with QC Batches

QC Batch ID	Method	Sample List
B005991	EPA 8270	4070902-01, 4070902-02
B005993	EPA 8081	4070902-01, 4070902-02
B006060	EPA 505	4070902-01, 4070902-02

Project Number: J1404955
Project Manager: Craig Myers

4070902

Lab Code	Sample ID	# of Cont.	Matrix	Sample			Misc Out 1 None	Misc Out 2 None	Misc Out 3 None
				Date	Time	Lab ID			
J1404955-003	MW-24A	-01	Water	7/7/14	1340	SunLabs	X	X	X
J1404955-004	MW-24B	02	Water	7/7/14	1445	SunLabs	X	X	X

Test Comments
Misc Out 1 - None
Misc Out 2 - None
Misc Out 3 - None

J1404955-003,4
J1404955-003,4
J1404955-003,4

Report Hexachlorobenzene Only
Report Chlorobenzilate and Diallylate Only
Report 2,4-Dinitrotoluene, Fampnur, Kepone, and Pentachloronitrobenzene Only

Special Instructions/Comments		Turnaround Requirements		Report Requirements		Invoice Information	
H - Test is On Hold P - Test is Authorized for Prep Only		☐ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS ☒ STANDARD 1 2 3 4 5 Requested FAX Date: _____ Requested Report Date: 07/22/14		☐ I. Results Only ☒ II. Results + QC Summaries ☐ III. Results + QC and Calibration Summaries ☐ IV. Data Validation Report with Raw Data POL/MDL/J <u>Y</u> EDD <u>Y</u>		PO# J1404955 Bill to	

Relinquished By:

[Signature] 7/8/14

Received By:

[Signature] 7/9/14

Airbill Number:

Custody seals present intact On ice 3.3°C



September 11, 2014

Service Request No J1405052

Kirk Wills
Waste Services of Florida, Inc.
11500 43rd Street North
Clearwater, FL 33762

Laboratory Results for: JED SWDF (New Wells)

Dear Kirk,

Enclosed are the results of the sample(s) submitted to our laboratory July 10, 2014
For your reference, these analyses have been assigned our service request number **J1405052**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at Craig.Myers@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Craig Myers
Project Manager

ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE +1 904 739 2277 | FAX +1 904 739 2011
ALS Group USA, Corp.
dba ALS Environmental

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-26A		Lab ID: J1405052-001				
Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	25.9		0.2	1.0	mg/L	300.0
Ammonia as Nitrogen	0.398		0.007	0.010	mg/L	350.1
Iron, Total Recoverable	3710		3	100	ug/L	6010B
Sodium, Total Recoverable	18.4		0.03	0.50	mg/L	6010B
Arsenic, Total Recoverable	1.5		0.5	1.0	ug/L	6020
Barium, Total Recoverable	29.0		0.5	2.0	ug/L	6020
Beryllium, Total Recoverable	0.11	I	0.04	0.50	ug/L	6020
Cobalt, Total Recoverable	0.5	I	0.03	1.0	ug/L	6020
Chromium, Total Recoverable	4.2		0.2	1.0	ug/L	6020
Copper, Total Recoverable	1.1		0.3	1.0	ug/L	6020
Nickel, Total Recoverable	1.8	I	0.5	2.0	ug/L	6020
Lead, Total Recoverable	1.91		0.12	0.50	ug/L	6020
Vanadium, Total Recoverable	4.8		0.3	2.0	ug/L	6020
inc, Total Recoverable	6.4		1.6	5.0	ug/L	6020
Acetone	9.9	I	5.6	50	ug/L	8260B
Toluene	0.64	I	0.19	1.0	ug/L	8260B
Naphthalene	0.802	I	0.617	5.81	ug/L	8270C
Solids, Total Dissolved	144		10	10	mg/L	SM 2540 C
Sulfide, Total	1.0	IV	0.4	2.0	mg/L	SM 4500-S2

CLIENT ID: MW-26B		Lab ID: J1405052-002				
Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	17.8		0.2	1.0	mg/L	300.0
Ammonia as Nitrogen	0.283		0.007	0.010	mg/L	350.1
Iron, Dissolved	1960		3	100	ug/L	6010B
Iron, Total Recoverable	4890		3	100	ug/L	6010B
Sodium, Dissolved	12.1		0.03	0.50	mg/L	6010B
Sodium, Total Recoverable	12.3		0.03	0.50	mg/L	6010B
Arsenic, Total Recoverable	1.4		0.5	1.0	ug/L	6020
Barium, Dissolved	68.9		0.5	2.0	ug/L	6020
Barium, Total Recoverable	278		0.5	2.0	ug/L	6020
Beryllium, Dissolved	0.21	I	0.04	0.50	ug/L	6020
Beryllium, Total Recoverable	0.92		0.04	0.50	ug/L	6020
Cadmium, Total Recoverable	0.34	I	0.10	0.40	ug/L	6020
Cobalt, Dissolved	0.5	I	0.03	1.0	ug/L	6020
Cobalt, Total Recoverable	1.5		0.03	1.0	ug/L	6020
Chromium, Dissolved	6.8		0.2	1.0	ug/L	6020
Chromium, Total Recoverable	25.3		0.2	1.0	ug/L	6020
Copper, Dissolved	0.8	I	0.3	1.0	ug/L	6020
Copper, Total Recoverable	3.2		0.3	1.0	ug/L	6020
Nickel, Dissolved	1.4	I	0.5	2.0	ug/L	6020
Nickel, Total Recoverable	3.7		0.5	2.0	ug/L	6020

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-26B	Lab ID: J1405052-002
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Analyte	Results	Flag	MDL	PQL	Units	Method
Lead, Dissolved	3.90		0.12	0.50	ug/L	6020
Lead, Total Recoverable	20.4		0.12	0.50	ug/L	6020
Antimony, Dissolved	0.3	I	0.2	1.0	ug/L	6020
Selenium, Total Recoverable	4.0		1.1	2.0	ug/L	6020
Thallium, Total Recoverable	0.14	I	0.05	0.20	ug/L	6020
Vanadium, Dissolved	9.8		0.3	2.0	ug/L	6020
Vanadium, Total Recoverable	36.6		0.3	2.0	ug/L	6020
inc, Dissolved	5.4		1.6	5.0	ug/L	6020
inc, Total Recoverable	8.3		1.6	5.0	ug/L	6020
Mercury, Total	0.09	I	0.02	0.10	ug/L	7470A
Solids, Total Dissolved	413		10	10	mg/L	SM 2540 C
Sulfide, Total	0.8	IV	0.4	2.0	mg/L	SM 4500-S2

CLIENT ID: MW-25A	Lab ID: J1405052-003
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Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	54.6		0.2	1.0	mg/L	300.0
Ammonia as Nitrogen	1.06		0.007	0.010	mg/L	350.1
Iron, Total Recoverable	5900		3	100	ug/L	6010B
Sodium, Total Recoverable	27.4		0.03	0.50	mg/L	6010B
Arsenic, Total Recoverable	1.0		0.5	1.0	ug/L	6020
Barium, Total Recoverable	60.1		0.5	2.0	ug/L	6020
Beryllium, Total Recoverable	0.19	I	0.04	0.50	ug/L	6020
Cobalt, Total Recoverable	0.9	I	0.03	1.0	ug/L	6020
Chromium, Total Recoverable	1.1		0.2	1.0	ug/L	6020
Copper, Total Recoverable	0.3	I	0.3	1.0	ug/L	6020
Nickel, Total Recoverable	0.6	I	0.5	2.0	ug/L	6020
Vanadium, Total Recoverable	2.6		0.3	2.0	ug/L	6020
inc, Total Recoverable	4.4	I	1.6	5.0	ug/L	6020
Naphthalene	1.13	I	0.617	5.81	ug/L	8270C
Solids, Total Dissolved	206		10	10	mg/L	SM 2540 C
Sulfide, Total	3.8	V	0.4	2.0	mg/L	SM 4500-S2

CLIENT ID: MW-25B	Lab ID: J1405052-004
--------------------------	-----------------------------

Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	18.7		0.2	1.0	mg/L	300.0
Ammonia as Nitrogen	0.158		0.007	0.010	mg/L	350.1
Iron, Dissolved	1940		3	100	ug/L	6010B
Iron, Total Recoverable	3370		3	100	ug/L	6010B
Sodium, Dissolved	10.9		0.03	0.50	mg/L	6010B
Sodium, Total Recoverable	10.9		0.03	0.50	mg/L	6010B
Arsenic, Total Recoverable	1.9		0.5	1.0	ug/L	6020
Barium, Dissolved	94.8		0.5	2.0	ug/L	6020

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-25B		Lab ID: J1405052-004				
Analyte	Results	Flag	MDL	PQL	Units	Method
Barium, Total Recoverable	273		0.5	2.0	ug/L	6020
Beryllium, Dissolved	0.31	I	0.04	0.50	ug/L	6020
Beryllium, Total Recoverable	0.89		0.04	0.50	ug/L	6020
Cadmium, Dissolved	0.22	I	0.10	0.40	ug/L	6020
Cadmium, Total Recoverable	0.86		0.10	0.40	ug/L	6020
Cobalt, Dissolved	0.5	I	0.03	1.0	ug/L	6020
Cobalt, Total Recoverable	1.4		0.03	1.0	ug/L	6020
Chromium, Dissolved	8.2		0.2	1.0	ug/L	6020
Chromium, Total Recoverable	22.8		0.2	1.0	ug/L	6020
Copper, Dissolved	1.5		0.3	1.0	ug/L	6020
Copper, Total Recoverable	4.9		0.3	1.0	ug/L	6020
Nickel, Dissolved	2.7		0.5	2.0	ug/L	6020
Nickel, Total Recoverable	6.5		0.5	2.0	ug/L	6020
Lead, Dissolved	4.28		0.12	0.50	ug/L	6020
Lead, Total Recoverable	14.6		0.12	0.50	ug/L	6020
Antimony, Dissolved	0.2	I	0.2	1.0	ug/L	6020
Antimony, Total Recoverable	0.3	I	0.2	1.0	ug/L	6020
Selenium, Dissolved	1.4	I	1.1	2.0	ug/L	6020
Selenium, Total Recoverable	4.1		1.1	2.0	ug/L	6020
Thallium, Total Recoverable	0.09	I	0.05	0.20	ug/L	6020
Vanadium, Dissolved	13.2		0.3	2.0	ug/L	6020
Vanadium, Total Recoverable	38.5		0.3	2.0	ug/L	6020
inc, Dissolved	8.4		1.6	5.0	ug/L	6020
inc, Total Recoverable	7.1		1.6	5.0	ug/L	6020
Mercury, Dissolved	0.02	I	0.02	0.10	ug/L	7470A
Mercury, Total	0.11		0.02	0.10	ug/L	7470A
Naphthalene	0.628	I	0.617	5.81	ug/L	8270C
Solids, Total Dissolved	421		10	10	mg/L	SM 2540 C
Sulfide, Total	1.0	IV	0.4	2.0	mg/L	SM 4500-S2

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Received: 7/10/14

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of 100% samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

Four water samples and five trip blanks were received for analysis at ALS Environmental on 07/10/2014. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at -6 °C upon receipt at the laboratory except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

Method 8260B The upper control criterion was exceeded for the following analytes in Laboratory Control Sample (LCS) J 1405036-01 and Laboratory Control Sample Duplicate (LCSD) J 1405036-02: Acrolein and Dichlorodifluoromethane. The analytes in question were not detected in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected and no further corrective action was appropriate.

Semi-Volatile Organic Analyses:

Method 8270C The spike recovery of p-Phenylenediamine for Laboratory Control Sample (LCS) J 1405196-02 was outside the lower control criterion. The analyte in question was not detected in the associated field samples. This analyte is known to have poor extraction efficiency, therefore no corrective action was required. The data is flagged to indicate the problem.

Metals Analyses:

No significant data anomalies were noted with this analysis.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

Subcontracted Analytical Parameters:

The samples were delivered to ENCO Labs in Jacksonville, FL on 07/11/2014 for EPA Methods 8141B and 8151A determination. The certified analytical report has been included in its entirety in Appendix A Subcontracted Analytical Results.

The samples were delivered to SunLabs, Inc. in Tampa, FL on 07/11/2014 for EPA Methods 505, 8081, and 8270 determination. The certified analytical report has been included in its entirety in Appendix B Subcontracted Analytical Results.

Approved by  Date 9/11/2014

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Department of Defense	66206	11/1/2014
Florida Department of Health	E82502	6/30/2015
Georgia Department of Natural Resources	958	6/30/2015
Kentucky Division of Waste Management	63	6/30/2015
Louisiana Department of Environmental Quality	02086	6/30/2015
Maine Department of Health and Human Services	2011006	2/3/2015
North Carolina Department of Environment and Natural Resources	527	12/31/2014
Pennsylvania Department of Environmental Protection	68-04835	8/31/2015
South Carolina Department of Health and Environmental Control	96021001	6/30/2015
Texas Commision on Environmental Quality	T104704197-13-5	5/31/2015
Virginia Environmental Accreditation Program	460191	12/14/2014

Data Qualifiers

Florida-DEP

- ! Data deviates from historically established concentration ranges
- * Not reported due to interference
- ? Data is rejected and should not be used
- A Value reported is the arithmetic mean of two or more determinations
- B Results based upon colony counts outside the acceptable range.
- D Measurement was made in the field.
- E Extra samples were taken at composite stations
- H Value based on field kit determination; results may not be accurate.
- I The reported value is between the laboratory method detection limit and the laboratory PQL.
- J Estimated value.
- K Off scale low. The value is less than the lowest calibration standard.
- L Off scale high. The analyte is above the acceptable level of quantitation.
- M The MDL/MRL has been elevated because the analyte could not be accurately quantified.
- N Presumptive evidence of presence of material.
- O Sampled, but analysis lost or not performed
- Q Sample held beyond the acceptable holding time.
- R Significant rain in the past 48 hours (typically in excess of 0.5 inches)
- T Estimated value, less than the MDL
- U Indicates that the compound was analyzed for but not detected.
- V Indicates that the analyte was detected in both the sample and the associated method blank.
- X Insufficient individuals were present in the sample to achieve a minimum of 280 organisms for identification (Stream Condition Index Analysis only)
- Y The laboratory analysis was from an unpreserved or improperly preserved sample.
- Z Too many colonies were present, the numeric value represents the filtration volume

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)

Service Request:J1405052

SAMPLE CROSS-REFERENCE

<u>SAMPLE</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1405052-001	MW-26A	7/9/2014	0955
J1405052-002	MW-26B	7/9/2014	1055
J1405052-003	MW-25A	7/9/2014	1200
J1405052-004	MW-25B	7/9/2014	1230
J1405052-005	MW-26A	7/9/2014	0955
J1405052-006	MW-26B	7/9/2014	1055
J1405052-007	MW-25A	7/9/2014	1200
J1405052-008	MW-25B	7/9/2014	1230
J1405052-009	Trip Blank-3	7/9/2014	0000
J1405052-010	Trip Blank-4	7/9/2014	0000
J1405052-011	Trip Blank-5	7/9/2014	0000
J1405052-012	Trip Blank-6	7/9/2014	0000
J1405052-013	Trip Blank-7	7/9/2014	0000

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 19:38	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 19:38	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 19:38	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 19:38	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 19:38	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 19:38	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 19:38	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 19:38	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 19:38	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 19:38	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 19:38	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 19:38	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 19:38	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 19:38	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 19:38	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 19:38	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 19:38	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 19:38	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 19:38	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 19:38	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 19:38	
Acetone	9.9 I	50	5.6	1	07/16/14 19:38	
Acetonitrile	18 U	25	18	1	07/16/14 19:38	
Acrolein	3.0 U	50	3.0	1	07/16/14 19:38	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 19:38	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 19:38	
Benzene	0.21 U	1.0	0.21	1	07/16/14 19:38	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 19:38	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 19:38	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 19:38	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 19:38	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 19:38	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 19:38	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 19:38	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 19:38	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 19:38	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 19:38	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 19:38	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 19:38	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 19:38	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 19:38	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 19:38	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 19:38	*

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 19:38	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 19:38	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 19:38	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 19:38	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 19:38	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 19:38	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 19:38	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 19:38	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 19:38	
Naphthalene	0.38 U	10	0.38	1	07/16/14 19:38	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 19:38	
Propionitrile	3.9 U	25	3.9	1	07/16/14 19:38	
Styrene	0.29 U	1.0	0.29	1	07/16/14 19:38	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 19:38	
Toluene	0.64 I	1.0	0.19	1	07/16/14 19:38	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 19:38	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 19:38	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 19:38	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 19:38	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 19:38	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 19:38	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 19:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	105	72 - 121	07/16/14 19:38	
4-Bromofluorobenzene	94	86 - 113	07/16/14 19:38	
Dibromofluoromethane	102	86 - 112	07/16/14 19:38	
Toluene-d8	96	88 - 115	07/16/14 19:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.40 U	5.81	1.40	1	07/19/14 04:03	7/14/14	
1,2,4-Trichlorobenzene	0.698 U	5.81	0.698	1	07/19/14 04:03	7/14/14	
1,2-Dichlorobenzene	0.745 U	5.81	0.745	1	07/19/14 04:03	7/14/14	
1,3,5-Trinitrobenzene	1.75 U	5.81	1.75	1	07/19/14 04:03	7/14/14	
1,3-Dichlorobenzene	1.07 U	5.81	1.07	1	07/19/14 04:03	7/14/14	
1,3-Dinitrobenzene	0.745 U	11.6	0.745	1	07/19/14 04:03	7/14/14	
1,4-Dichlorobenzene	1.06 U	5.81	1.06	1	07/19/14 04:03	7/14/14	
1,4-Naphthoquinone	1.87 U	11.6	1.87	1	07/19/14 04:03	7/14/14	
1-Naphthylamine	2.33 U	5.81	2.33	1	07/19/14 04:03	7/14/14	
2,3,4,6-Tetrachlorophenol	1.87 U	5.81	1.87	1	07/19/14 04:03	7/14/14	
2,4,5-Trichlorophenol	1.52 U	5.81	1.52	1	07/19/14 04:03	7/14/14	
2,4,6-Trichlorophenol	1.04 U	5.81	1.04	1	07/19/14 04:03	7/14/14	
2,4-Dichlorophenol	1.40 U	5.81	1.40	1	07/19/14 04:03	7/14/14	
2,4-Dimethylphenol	1.75 U	5.81	1.75	1	07/19/14 04:03	7/14/14	
2,4-Dinitrophenol	0.884 U	23.3	0.884	1	07/19/14 04:03	7/14/14	
2,4-Dinitrotoluene	1.52 U	5.81	1.52	1	07/19/14 04:03	7/14/14	
2,6-Dichlorophenol	1.52 U	11.6	1.52	1	07/19/14 04:03	7/14/14	
2,6-Dinitrotoluene	1.28 U	5.81	1.28	1	07/19/14 04:03	7/14/14	
2-Acetylaminofluorene	1.12 U	5.81	1.12	1	07/19/14 04:03	7/14/14	
2-Chloronaphthalene	5.35 U	5.81	5.35	1	07/19/14 04:03	7/14/14	
2-Chlorophenol	1.40 U	5.81	1.40	1	07/19/14 04:03	7/14/14	
2-Methylnaphthalene	0.733 U	5.81	0.733	1	07/19/14 04:03	7/14/14	
2-Methylphenol	1.52 U	5.81	1.52	1	07/19/14 04:03	7/14/14	
2-Naphthylamine	2.68 U	5.81	2.68	1	07/19/14 04:03	7/14/14	
2-Nitroaniline	1.75 U	5.81	1.75	1	07/19/14 04:03	7/14/14	
2-Nitrophenol	1.63 U	23.3	1.63	1	07/19/14 04:03	7/14/14	
3- and 4-Methylphenol Coelution	1.17 U	5.81	1.17	1	07/19/14 04:03	7/14/14	
3,3'-Dichlorobenzidine	1.63 U	23.3	1.63	1	07/19/14 04:03	7/14/14	
3,3'-Dimethylbenzidine	5.59 U	23.3	5.59	1	07/19/14 04:03	7/14/14	
3-Methylcholanthrene	1.63 U	5.81	1.63	1	07/19/14 04:03	7/14/14	
3-Nitroaniline	1.28 U	5.81	1.28	1	07/19/14 04:03	7/14/14	
4,6-Dinitro-2-methylphenol	1.17 U	23.3	1.17	1	07/19/14 04:03	7/14/14	
4-Aminobiphenyl	2.21 U	5.81	2.21	1	07/19/14 04:03	7/14/14	
4-Bromophenyl Phenyl Ether	1.52 U	5.81	1.52	1	07/19/14 04:03	7/14/14	
4-Chloro-3-methylphenol	2.10 U	5.81	2.10	1	07/19/14 04:03	7/14/14	
4-Chloroaniline	1.63 U	5.81	1.63	1	07/19/14 04:03	7/14/14	
4-Chlorophenyl Phenyl Ether	1.12 U	5.81	1.12	1	07/19/14 04:03	7/14/14	
4-Nitroaniline	1.17 U	5.81	1.17	1	07/19/14 04:03	7/14/14	
4-Nitrophenol	2.10 U	23.3	2.10	1	07/19/14 04:03	7/14/14	
5-Nitro-o-toluidine	1.28 U	5.81	1.28	1	07/19/14 04:03	7/14/14	
7,12-Dimethylbenz(a)anthracene	1.40 U	5.81	1.40	1	07/19/14 04:03	7/14/14	
Acenaphthene	4.89 U	5.81	4.89	1	07/19/14 04:03	7/14/14	
Acenaphthylene	1.16 U	5.81	1.16	1	07/19/14 04:03	7/14/14	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	1.87 U	11.6	1.87	1	07/19/14 04:03	7/14/14	
Anthracene	1.87 U	5.81	1.87	1	07/19/14 04:03	7/14/14	
Benz(a)anthracene	1.17 U	5.81	1.17	1	07/19/14 04:03	7/14/14	
Benzo(a)pyrene	1.40 U	5.81	1.40	1	07/19/14 04:03	7/14/14	
Benzo(b)fluoranthene	1.17 U	5.81	1.17	1	07/19/14 04:03	7/14/14	
Benzo(g,h,i)perylene	1.63 U	5.81	1.63	1	07/19/14 04:03	7/14/14	
Benzo(k)fluoranthene	2.10 U	5.81	2.10	1	07/19/14 04:03	7/14/14	
Benzyl Alcohol	1.63 U	5.81	1.63	1	07/19/14 04:03	7/14/14	
Bis(2-chloroethoxy)methane	1.40 U	5.81	1.40	1	07/19/14 04:03	7/14/14	
Bis(2-chloroethyl) Ether	2.21 U	5.81	2.21	1	07/19/14 04:03	7/14/14	
Bis(2-chloroisopropyl) Ether	1.75 U	5.81	1.75	1	07/19/14 04:03	7/14/14	
Bis(2-ethylhexyl) Phthalate	1.75 U	5.81	1.75	1	07/19/14 04:03	7/14/14	
Butyl Benzyl Phthalate	1.00 U	11.6	1.00	1	07/19/14 04:03	7/14/14	
Chlorobenzilate	1.05 U	11.6	1.05	1	07/19/14 04:03	7/14/14	
Chrysene	1.40 U	5.81	1.40	1	07/19/14 04:03	7/14/14	
Diallate	1.98 U	5.81	1.98	1	07/19/14 04:03	7/14/14	
Dibenz(a,h)anthracene	1.75 U	5.81	1.75	1	07/19/14 04:03	7/14/14	
Dibenzofuran	1.52 U	5.81	1.52	1	07/19/14 04:03	7/14/14	
Diethyl Phthalate	1.98 U	5.81	1.98	1	07/19/14 04:03	7/14/14	
Dimethoate	2.21 U	5.81	2.21	1	07/19/14 04:03	7/14/14	
Dimethyl Phthalate	1.52 U	5.81	1.52	1	07/19/14 04:03	7/14/14	
Di-n-butyl Phthalate	2.56 U	5.81	2.56	1	07/19/14 04:03	7/14/14	
Di-n-octyl Phthalate	3.26 U	5.81	3.26	1	07/19/14 04:03	7/14/14	
Dinoseb	2.91 U	5.81	2.91	1	07/19/14 04:03	7/14/14	
Diphenylamine + n-Nitrosodiphenylamine	1.28 U	5.81	1.28	1	07/19/14 04:03	7/14/14	
Disulfoton	2.21 U	5.81	2.21	1	07/19/14 04:03	7/14/14	
Ethyl Methanesulfonate	1.87 U	5.81	1.87	1	07/19/14 04:03	7/14/14	
Famphur	2.21 U	11.6	2.21	1	07/19/14 04:03	7/14/14	
Fluoranthene	1.63 U	5.81	1.63	1	07/19/14 04:03	7/14/14	
Fluorene	0.977 U	5.81	0.977	1	07/19/14 04:03	7/14/14	
Hexachlorobenzene	1.98 U	5.81	1.98	1	07/19/14 04:03	7/14/14	
Hexachlorobutadiene	1.40 U	5.81	1.40	1	07/19/14 04:03	7/14/14	
Hexachlorocyclopentadiene	0.582 U	5.81	0.582	1	07/19/14 04:03	7/14/14	
Hexachloroethane	0.942 U	5.81	0.942	1	07/19/14 04:03	7/14/14	
Hexachloropropene	1.06 U	5.81	1.06	1	07/19/14 04:03	7/14/14	
Indeno(1,2,3-cd)pyrene	1.98 U	5.81	1.98	1	07/19/14 04:03	7/14/14	
Isodrin	2.10 U	11.6	2.10	1	07/19/14 04:03	7/14/14	
Isophorone	2.10 U	5.81	2.10	1	07/19/14 04:03	7/14/14	
Isosafrole	1.16 U	5.81	1.16	1	07/19/14 04:03	7/14/14	
Kepone	4.42 U	58.1	4.42	1	07/19/14 04:03	7/14/14	
Methapyrilene	3.84 U	5.81	3.84	1	07/19/14 04:03	7/14/14	
Methyl Methanesulfonate	1.87 U	5.81	1.87	1	07/19/14 04:03	7/14/14	
Methyl Parathion	2.33 U	11.6	2.33	1	07/19/14 04:03	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	0.802 I	5.81	0.617	1	07/19/14 04:03	7/14/14	
Nitrobenzene	2.45 U	5.81	2.45	1	07/19/14 04:03	7/14/14	
N-Nitrosodiethylamine	1.75 U	5.81	1.75	1	07/19/14 04:03	7/14/14	
N-Nitrosodimethylamine	1.12 U	5.81	1.12	1	07/19/14 04:03	7/14/14	
N-Nitrosodi-n-butylamine	1.75 U	5.81	1.75	1	07/19/14 04:03	7/14/14	
N-Nitrosodi-n-propylamine	2.56 U	5.81	2.56	1	07/19/14 04:03	7/14/14	
N-Nitrosomethylethylamine	1.12 U	5.81	1.12	1	07/19/14 04:03	7/14/14	
N-Nitrosopiperidine	1.52 U	5.81	1.52	1	07/19/14 04:03	7/14/14	
N-Nitrosopyrrolidine	1.98 U	5.81	1.98	1	07/19/14 04:03	7/14/14	
O,O,O-Triethyl Phosphorothioate	1.06 U	23.3	1.06	1	07/19/14 04:03	7/14/14	
o-Toluidine	2.10 U	5.81	2.10	1	07/19/14 04:03	7/14/14	
Parathion	1.98 U	23.3	1.98	1	07/19/14 04:03	7/14/14	
p-Dimethylaminoazobenzene	1.28 U	5.81	1.28	1	07/19/14 04:03	7/14/14	
Pentachlorobenzene	1.04 U	5.81	1.04	1	07/19/14 04:03	7/14/14	
Pentachloronitrobenzene (PCNB)	2.91 U	5.81	2.91	1	07/19/14 04:03	7/14/14	
Pentachlorophenol (PCP)	1.28 U	23.3	1.28	1	07/19/14 04:03	7/14/14	
Phenacetin	2.45 U	5.81	2.45	1	07/19/14 04:03	7/14/14	
Phenanthrene	1.63 U	5.81	1.63	1	07/19/14 04:03	7/14/14	
Phenol	0.687 U	5.81	0.687	1	07/19/14 04:03	7/14/14	
Phorate	1.98 U	5.81	1.98	1	07/19/14 04:03	7/14/14	
p-Phenylenediamine	1.40 U	23.3	1.40	1	07/19/14 04:03	7/14/14	*
Pronamide	1.98 U	23.3	1.98	1	07/19/14 04:03	7/14/14	
Pyrene	0.861 U	5.81	0.861	1	07/19/14 04:03	7/14/14	
Safrole	1.00 U	5.81	1.00	1	07/19/14 04:03	7/14/14	
Thionazin	2.10 U	11.6	2.10	1	07/19/14 04:03	7/14/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	81	2 - 128	07/19/14 04:03	
2-Fluorobiphenyl	77	8 - 135	07/19/14 04:03	
2-Fluorophenol	64	6 - 76	07/19/14 04:03	
Nitrobenzene-d5	80	10 - 125	07/19/14 04:03	
Phenol-d6	50	6 - 56	07/19/14 04:03	
p-Terphenyl-d14	79	4 - 141	07/19/14 04:03	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benz(a)anthracene	0.0407 U	0.116	0.0407	1	07/15/14 11:28	7/14/14	
Benzo(a)pyrene	0.0361 U	0.116	0.0361	1	07/15/14 11:28	7/14/14	
Benzo(b)fluoranthene	0.0291 U	0.116	0.0291	1	07/15/14 11:28	7/14/14	
Benzo(k)fluoranthene	0.0407 U	0.116	0.0407	1	07/15/14 11:28	7/14/14	
Chrysene	0.0280 U	0.116	0.0280	1	07/15/14 11:28	7/14/14	
Dibenz(a,h)anthracene	0.0419 U	0.116	0.0419	1	07/15/14 11:28	7/14/14	
Indeno(1,2,3-cd)pyrene	0.0466 U	0.116	0.0466	1	07/15/14 11:28	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00713 U	0.0203	0.00713	1	07/11/14 16:17	7/11/14	
1,2-Dibromoethane (EDB)	0.00713 U	0.0203	0.00713	1	07/11/14 16:17	7/11/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	80	70 - 130	07/11/14 16:17	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.0121 U	0.0241	0.0121	1	07/14/14 14:48	7/10/14	
4,4'-DDE	0.0121 U	0.0241	0.0121	1	07/14/14 14:48	7/10/14	
4,4'-DDT	0.0145 U	0.0241	0.0145	1	07/14/14 14:48	7/10/14	
Aldrin	0.0205 U	0.0241	0.0205	1	07/14/14 14:48	7/10/14	
alpha-BHC	0.0169 U	0.0241	0.0169	1	07/14/14 14:48	7/10/14	
alpha-Chlordane	0.00964 U	0.0241	0.00964	1	07/14/14 14:48	7/10/14	
beta-BHC	0.0121 U	0.0241	0.0121	1	07/14/14 14:48	7/10/14	
Chlordane	0.313 U	0.602	0.313	1	07/14/14 14:48	7/10/14	
delta-BHC	0.0254 U	0.0254	0.0254	1	07/14/14 14:48	7/10/14	
Dieldrin	0.0133 U	0.0241	0.0133	1	07/14/14 14:48	7/10/14	
Endosulfan I	0.00844 U	0.0241	0.00844	1	07/14/14 14:48	7/10/14	
Endosulfan II	0.0121 U	0.0241	0.0121	1	07/14/14 14:48	7/10/14	
Endosulfan Sulfate	0.00844 U	0.0241	0.00844	1	07/14/14 14:48	7/10/14	
Endrin	0.0109 U	0.0241	0.0109	1	07/14/14 14:48	7/10/14	
Endrin Aldehyde	0.0338 U	0.0338	0.0338	1	07/14/14 14:48	7/10/14	
Endrin Ketone	0.0109 U	0.0241	0.0109	1	07/14/14 14:48	7/10/14	
gamma-BHC (Lindane)	0.0157 U	0.0241	0.0157	1	07/14/14 14:48	7/10/14	
gamma-Chlordane	0.0133 U	0.0241	0.0133	1	07/14/14 14:48	7/10/14	
Heptachlor	0.0181 U	0.0241	0.0181	1	07/14/14 14:48	7/10/14	
Heptachlor Epoxide	0.0121 U	0.0241	0.0121	1	07/14/14 14:48	7/10/14	
Methoxychlor	0.0109 U	0.0482	0.0109	1	07/14/14 14:48	7/10/14	
Toxaphene	0.309 U	0.602	0.309	1	07/14/14 14:48	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	58	10 - 160	07/14/14 14:48	
Tetrachloro-m-xylene	77	22 - 126	07/14/14 14:48	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.157 U	0.602	0.157	1	07/14/14 13:36	7/10/14	
Aroclor 1221	0.350 U	0.602	0.350	1	07/14/14 13:36	7/10/14	
Aroclor 1232	0.241 U	0.602	0.241	1	07/14/14 13:36	7/10/14	
Aroclor 1242	0.157 U	0.602	0.157	1	07/14/14 13:36	7/10/14	
Aroclor 1248	0.314 U	0.602	0.314	1	07/14/14 13:36	7/10/14	
Aroclor 1254	0.398 U	0.602	0.398	1	07/14/14 13:36	7/10/14	
Aroclor 1260	0.322 U	0.602	0.322	1	07/14/14 13:36	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	65	10 - 151	07/14/14 13:36	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00

Sample Name: MW-26A
Lab Code: J1405052-001

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/15/14 06:10	07/14/14	
Arsenic, Total Recoverable	6020	1.5	ug/L	1.0	0.5	1	07/15/14 06:10	07/14/14	
Barium, Total Recoverable	6020	29.0	ug/L	2.0	0.5	1	07/15/14 06:10	07/14/14	
Beryllium, Total Recoverable	6020	0.11 I	ug/L	0.50	0.04	1	07/15/14 06:10	07/14/14	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	07/15/14 06:10	07/14/14	
Chromium, Total Recoverable	6020	4.2	ug/L	1.0	0.2	1	07/15/14 06:10	07/14/14	
Cobalt, Total Recoverable	6020	0.5 I	ug/L	1.0	0.03	1	07/15/14 06:10	07/14/14	
Copper, Total Recoverable	6020	1.1	ug/L	1.0	0.3	1	07/15/14 06:10	07/14/14	
Iron, Total Recoverable	6010B	3710	ug/L	100	3	1	07/16/14 06:55	07/15/14	
Lead, Total Recoverable	6020	1.91	ug/L	0.50	0.12	1	07/15/14 06:10	07/14/14	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	07/14/14 14:35	07/11/14	
Nickel, Total Recoverable	6020	1.8 I	ug/L	2.0	0.5	1	07/15/14 06:10	07/14/14	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	07/15/14 06:10	07/14/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/15/14 06:10	07/14/14	
Sodium, Total Recoverable	6010B	18.4	mg/L	0.50	0.03	1	07/16/14 06:55	07/15/14	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	07/15/14 06:10	07/14/14	
Tin, Total Recoverable	6010B	2 U	ug/L	40	2	1	07/16/14 06:56	07/15/14	
Vanadium, Total Recoverable	6020	4.8	ug/L	2.0	0.3	1	07/15/14 06:10	07/14/14	
Zinc, Total Recoverable	6020	6.4	ug/L	5.0	1.6	1	07/15/14 06:10	07/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water
Sample Name: MW-26A
Lab Code: J1405052-001

Service Request: J1405052
Date Collected: 07/09/14 09:55
Date Received: 07/10/14 09:00
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.398	mg/L	0.010	0.007	1	07/14/14 16:58	NA	
Chloride	300.0	25.9	mg/L	1.0	0.2	1	07/11/14 06:30	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	07/16/14 13:29	07/14/14	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/11/14 06:30	NA	
Solids, Total Dissolved	SM 2540 C	144	mg/L	10	10	1	07/11/14 11:14	NA	
Sulfide, Total	SM 4500-S2- F	1.0 IV	mg/L	2.0	0.4	1	07/15/14 15:42	NA	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 20:04	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 20:04	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 20:04	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 20:04	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 20:04	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 20:04	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 20:04	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 20:04	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 20:04	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 20:04	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 20:04	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 20:04	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 20:04	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 20:04	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 20:04	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 20:04	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 20:04	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 20:04	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 20:04	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 20:04	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 20:04	
Acetone	5.6 U	50	5.6	1	07/16/14 20:04	
Acetonitrile	18 U	25	18	1	07/16/14 20:04	
Acrolein	3.0 U	50	3.0	1	07/16/14 20:04	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 20:04	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 20:04	
Benzene	0.21 U	1.0	0.21	1	07/16/14 20:04	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 20:04	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 20:04	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 20:04	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 20:04	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 20:04	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 20:04	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 20:04	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 20:04	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 20:04	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 20:04	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 20:04	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 20:04	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 20:04	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 20:04	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 20:04	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 20:04	*

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 20:04	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 20:04	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 20:04	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 20:04	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 20:04	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 20:04	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 20:04	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 20:04	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 20:04	
Naphthalene	0.38 U	10	0.38	1	07/16/14 20:04	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 20:04	
Propionitrile	3.9 U	25	3.9	1	07/16/14 20:04	
Styrene	0.29 U	1.0	0.29	1	07/16/14 20:04	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 20:04	
Toluene	0.19 U	1.0	0.19	1	07/16/14 20:04	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 20:04	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 20:04	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 20:04	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 20:04	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 20:04	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 20:04	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 20:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	72 - 121	07/16/14 20:04	
4-Bromofluorobenzene	92	86 - 113	07/16/14 20:04	
Dibromofluoromethane	103	86 - 112	07/16/14 20:04	
Toluene-d8	96	88 - 115	07/16/14 20:04	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.40 U	5.81	1.40	1	07/19/14 04:40	7/14/14	
1,2,4-Trichlorobenzene	0.698 U	5.81	0.698	1	07/19/14 04:40	7/14/14	
1,2-Dichlorobenzene	0.745 U	5.81	0.745	1	07/19/14 04:40	7/14/14	
1,3,5-Trinitrobenzene	1.75 U	5.81	1.75	1	07/19/14 04:40	7/14/14	
1,3-Dichlorobenzene	1.07 U	5.81	1.07	1	07/19/14 04:40	7/14/14	
1,3-Dinitrobenzene	0.745 U	11.6	0.745	1	07/19/14 04:40	7/14/14	
1,4-Dichlorobenzene	1.06 U	5.81	1.06	1	07/19/14 04:40	7/14/14	
1,4-Naphthoquinone	1.87 U	11.6	1.87	1	07/19/14 04:40	7/14/14	
1-Naphthylamine	2.33 U	5.81	2.33	1	07/19/14 04:40	7/14/14	
2,3,4,6-Tetrachlorophenol	1.87 U	5.81	1.87	1	07/19/14 04:40	7/14/14	
2,4,5-Trichlorophenol	1.52 U	5.81	1.52	1	07/19/14 04:40	7/14/14	
2,4,6-Trichlorophenol	1.04 U	5.81	1.04	1	07/19/14 04:40	7/14/14	
2,4-Dichlorophenol	1.40 U	5.81	1.40	1	07/19/14 04:40	7/14/14	
2,4-Dimethylphenol	1.75 U	5.81	1.75	1	07/19/14 04:40	7/14/14	
2,4-Dinitrophenol	0.884 U	23.3	0.884	1	07/19/14 04:40	7/14/14	
2,4-Dinitrotoluene	1.52 U	5.81	1.52	1	07/19/14 04:40	7/14/14	
2,6-Dichlorophenol	1.52 U	11.6	1.52	1	07/19/14 04:40	7/14/14	
2,6-Dinitrotoluene	1.28 U	5.81	1.28	1	07/19/14 04:40	7/14/14	
2-Acetylaminofluorene	1.12 U	5.81	1.12	1	07/19/14 04:40	7/14/14	
2-Chloronaphthalene	5.35 U	5.81	5.35	1	07/19/14 04:40	7/14/14	
2-Chlorophenol	1.40 U	5.81	1.40	1	07/19/14 04:40	7/14/14	
2-Methylnaphthalene	0.733 U	5.81	0.733	1	07/19/14 04:40	7/14/14	
2-Methylphenol	1.52 U	5.81	1.52	1	07/19/14 04:40	7/14/14	
2-Naphthylamine	2.68 U	5.81	2.68	1	07/19/14 04:40	7/14/14	
2-Nitroaniline	1.75 U	5.81	1.75	1	07/19/14 04:40	7/14/14	
2-Nitrophenol	1.63 U	23.3	1.63	1	07/19/14 04:40	7/14/14	
3- and 4-Methylphenol Coelution	1.17 U	5.81	1.17	1	07/19/14 04:40	7/14/14	
3,3'-Dichlorobenzidine	1.63 U	23.3	1.63	1	07/19/14 04:40	7/14/14	
3,3'-Dimethylbenzidine	5.59 U	23.3	5.59	1	07/19/14 04:40	7/14/14	
3-Methylcholanthrene	1.63 U	5.81	1.63	1	07/19/14 04:40	7/14/14	
3-Nitroaniline	1.28 U	5.81	1.28	1	07/19/14 04:40	7/14/14	
4,6-Dinitro-2-methylphenol	1.17 U	23.3	1.17	1	07/19/14 04:40	7/14/14	
4-Aminobiphenyl	2.21 U	5.81	2.21	1	07/19/14 04:40	7/14/14	
4-Bromophenyl Phenyl Ether	1.52 U	5.81	1.52	1	07/19/14 04:40	7/14/14	
4-Chloro-3-methylphenol	2.10 U	5.81	2.10	1	07/19/14 04:40	7/14/14	
4-Chloroaniline	1.63 U	5.81	1.63	1	07/19/14 04:40	7/14/14	
4-Chlorophenyl Phenyl Ether	1.12 U	5.81	1.12	1	07/19/14 04:40	7/14/14	
4-Nitroaniline	1.17 U	5.81	1.17	1	07/19/14 04:40	7/14/14	
4-Nitrophenol	2.10 U	23.3	2.10	1	07/19/14 04:40	7/14/14	
5-Nitro-o-toluidine	1.28 U	5.81	1.28	1	07/19/14 04:40	7/14/14	
7,12-Dimethylbenz(a)anthracene	1.40 U	5.81	1.40	1	07/19/14 04:40	7/14/14	
Acenaphthene	4.89 U	5.81	4.89	1	07/19/14 04:40	7/14/14	
Acenaphthylene	1.16 U	5.81	1.16	1	07/19/14 04:40	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	1.87 U	11.6	1.87	1	07/19/14 04:40	7/14/14	
Anthracene	1.87 U	5.81	1.87	1	07/19/14 04:40	7/14/14	
Benz(a)anthracene	1.17 U	5.81	1.17	1	07/19/14 04:40	7/14/14	
Benzo(a)pyrene	1.40 U	5.81	1.40	1	07/19/14 04:40	7/14/14	
Benzo(b)fluoranthene	1.17 U	5.81	1.17	1	07/19/14 04:40	7/14/14	
Benzo(g,h,i)perylene	1.63 U	5.81	1.63	1	07/19/14 04:40	7/14/14	
Benzo(k)fluoranthene	2.10 U	5.81	2.10	1	07/19/14 04:40	7/14/14	
Benzyl Alcohol	1.63 U	5.81	1.63	1	07/19/14 04:40	7/14/14	
Bis(2-chloroethoxy)methane	1.40 U	5.81	1.40	1	07/19/14 04:40	7/14/14	
Bis(2-chloroethyl) Ether	2.21 U	5.81	2.21	1	07/19/14 04:40	7/14/14	
Bis(2-chloroisopropyl) Ether	1.75 U	5.81	1.75	1	07/19/14 04:40	7/14/14	
Bis(2-ethylhexyl) Phthalate	1.75 U	5.81	1.75	1	07/19/14 04:40	7/14/14	
Butyl Benzyl Phthalate	1.00 U	11.6	1.00	1	07/19/14 04:40	7/14/14	
Chlorobenzilate	1.05 U	11.6	1.05	1	07/19/14 04:40	7/14/14	
Chrysene	1.40 U	5.81	1.40	1	07/19/14 04:40	7/14/14	
Diallate	1.98 U	5.81	1.98	1	07/19/14 04:40	7/14/14	
Dibenz(a,h)anthracene	1.75 U	5.81	1.75	1	07/19/14 04:40	7/14/14	
Dibenzofuran	1.52 U	5.81	1.52	1	07/19/14 04:40	7/14/14	
Diethyl Phthalate	1.98 U	5.81	1.98	1	07/19/14 04:40	7/14/14	
Dimethoate	2.21 U	5.81	2.21	1	07/19/14 04:40	7/14/14	
Dimethyl Phthalate	1.52 U	5.81	1.52	1	07/19/14 04:40	7/14/14	
Di-n-butyl Phthalate	2.56 U	5.81	2.56	1	07/19/14 04:40	7/14/14	
Di-n-octyl Phthalate	3.26 U	5.81	3.26	1	07/19/14 04:40	7/14/14	
Dinoseb	2.91 U	5.81	2.91	1	07/19/14 04:40	7/14/14	
Diphenylamine + n-Nitrosodiphenylamine	1.28 U	5.81	1.28	1	07/19/14 04:40	7/14/14	
Disulfoton	2.21 U	5.81	2.21	1	07/19/14 04:40	7/14/14	
Ethyl Methanesulfonate	1.87 U	5.81	1.87	1	07/19/14 04:40	7/14/14	
Famphur	2.21 U	11.6	2.21	1	07/19/14 04:40	7/14/14	
Fluoranthene	1.63 U	5.81	1.63	1	07/19/14 04:40	7/14/14	
Fluorene	0.977 U	5.81	0.977	1	07/19/14 04:40	7/14/14	
Hexachlorobenzene	1.98 U	5.81	1.98	1	07/19/14 04:40	7/14/14	
Hexachlorobutadiene	1.40 U	5.81	1.40	1	07/19/14 04:40	7/14/14	
Hexachlorocyclopentadiene	0.582 U	5.81	0.582	1	07/19/14 04:40	7/14/14	
Hexachloroethane	0.942 U	5.81	0.942	1	07/19/14 04:40	7/14/14	
Hexachloropropene	1.06 U	5.81	1.06	1	07/19/14 04:40	7/14/14	
Indeno(1,2,3-cd)pyrene	1.98 U	5.81	1.98	1	07/19/14 04:40	7/14/14	
Isodrin	2.10 U	11.6	2.10	1	07/19/14 04:40	7/14/14	
Isophorone	2.10 U	5.81	2.10	1	07/19/14 04:40	7/14/14	
Isosafrole	1.16 U	5.81	1.16	1	07/19/14 04:40	7/14/14	
Kepone	4.42 U	58.1	4.42	1	07/19/14 04:40	7/14/14	
Methapyrilene	3.84 U	5.81	3.84	1	07/19/14 04:40	7/14/14	
Methyl Methanesulfonate	1.87 U	5.81	1.87	1	07/19/14 04:40	7/14/14	
Methyl Parathion	2.33 U	11.6	2.33	1	07/19/14 04:40	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	0.617 U	5.81	0.617	1	07/19/14 04:40	7/14/14	
Nitrobenzene	2.45 U	5.81	2.45	1	07/19/14 04:40	7/14/14	
N-Nitrosodiethylamine	1.75 U	5.81	1.75	1	07/19/14 04:40	7/14/14	
N-Nitrosodimethylamine	1.12 U	5.81	1.12	1	07/19/14 04:40	7/14/14	
N-Nitrosodi-n-butylamine	1.75 U	5.81	1.75	1	07/19/14 04:40	7/14/14	
N-Nitrosodi-n-propylamine	2.56 U	5.81	2.56	1	07/19/14 04:40	7/14/14	
N-Nitrosomethylethylamine	1.12 U	5.81	1.12	1	07/19/14 04:40	7/14/14	
N-Nitrosopiperidine	1.52 U	5.81	1.52	1	07/19/14 04:40	7/14/14	
N-Nitrosopyrrolidine	1.98 U	5.81	1.98	1	07/19/14 04:40	7/14/14	
O,O,O-Triethyl Phosphorothioate	1.06 U	23.3	1.06	1	07/19/14 04:40	7/14/14	
o-Toluidine	2.10 U	5.81	2.10	1	07/19/14 04:40	7/14/14	
Parathion	1.98 U	23.3	1.98	1	07/19/14 04:40	7/14/14	
p-Dimethylaminoazobenzene	1.28 U	5.81	1.28	1	07/19/14 04:40	7/14/14	
Pentachlorobenzene	1.04 U	5.81	1.04	1	07/19/14 04:40	7/14/14	
Pentachloronitrobenzene (PCNB)	2.91 U	5.81	2.91	1	07/19/14 04:40	7/14/14	
Pentachlorophenol (PCP)	1.28 U	23.3	1.28	1	07/19/14 04:40	7/14/14	
Phenacetin	2.45 U	5.81	2.45	1	07/19/14 04:40	7/14/14	
Phenanthrene	1.63 U	5.81	1.63	1	07/19/14 04:40	7/14/14	
Phenol	0.687 U	5.81	0.687	1	07/19/14 04:40	7/14/14	
Phorate	1.98 U	5.81	1.98	1	07/19/14 04:40	7/14/14	
p-Phenylenediamine	1.40 U	23.3	1.40	1	07/19/14 04:40	7/14/14	*
Pronamide	1.98 U	23.3	1.98	1	07/19/14 04:40	7/14/14	
Pyrene	0.861 U	5.81	0.861	1	07/19/14 04:40	7/14/14	
Safrole	1.00 U	5.81	1.00	1	07/19/14 04:40	7/14/14	
Thionazin	2.10 U	11.6	2.10	1	07/19/14 04:40	7/14/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	59	2 - 128	07/19/14 04:40	
2-Fluorobiphenyl	67	8 - 135	07/19/14 04:40	
2-Fluorophenol	56	6 - 76	07/19/14 04:40	
Nitrobenzene-d5	68	10 - 125	07/19/14 04:40	
Phenol-d6	44	6 - 56	07/19/14 04:40	
p-Terphenyl-d14	55	4 - 141	07/19/14 04:40	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benz(a)anthracene	0.0407 U	0.116	0.0407	1	07/15/14 11:53	7/14/14	
Benzo(a)pyrene	0.0361 U	0.116	0.0361	1	07/15/14 11:53	7/14/14	
Benzo(b)fluoranthene	0.0291 U	0.116	0.0291	1	07/15/14 11:53	7/14/14	
Benzo(k)fluoranthene	0.0407 U	0.116	0.0407	1	07/15/14 11:53	7/14/14	
Chrysene	0.0280 U	0.116	0.0280	1	07/15/14 11:53	7/14/14	
Dibenz(a,h)anthracene	0.0419 U	0.116	0.0419	1	07/15/14 11:53	7/14/14	
Indeno(1,2,3-cd)pyrene	0.0466 U	0.116	0.0466	1	07/15/14 11:53	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	07/11/14 17:21	7/11/14	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	07/11/14 17:21	7/11/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	80	70 - 130	07/11/14 17:21	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.0107 U	0.0213	0.0107	1	07/14/14 15:13	7/10/14	
4,4'-DDE	0.0107 U	0.0213	0.0107	1	07/14/14 15:13	7/10/14	
4,4'-DDT	0.0128 U	0.0213	0.0128	1	07/14/14 15:13	7/10/14	
Aldrin	0.0181 U	0.0213	0.0181	1	07/14/14 15:13	7/10/14	
alpha-BHC	0.0149 U	0.0213	0.0149	1	07/14/14 15:13	7/10/14	
alpha-Chlordane	0.00852 U	0.0213	0.00852	1	07/14/14 15:13	7/10/14	
beta-BHC	0.0107 U	0.0213	0.0107	1	07/14/14 15:13	7/10/14	
Chlordane	0.276 U	0.532	0.276	1	07/14/14 15:13	7/10/14	
delta-BHC	0.0224 U	0.0224	0.0224	1	07/14/14 15:13	7/10/14	
Dieldrin	0.0118 U	0.0213	0.0118	1	07/14/14 15:13	7/10/14	
Endosulfan I	0.00745 U	0.0213	0.00745	1	07/14/14 15:13	7/10/14	
Endosulfan II	0.0107 U	0.0213	0.0107	1	07/14/14 15:13	7/10/14	
Endosulfan Sulfate	0.00745 U	0.0213	0.00745	1	07/14/14 15:13	7/10/14	
Endrin	0.00958 U	0.0213	0.00958	1	07/14/14 15:13	7/10/14	
Endrin Aldehyde	0.0298 U	0.0298	0.0298	1	07/14/14 15:13	7/10/14	
Endrin Ketone	0.00958 U	0.0213	0.00958	1	07/14/14 15:13	7/10/14	
gamma-BHC (Lindane)	0.0139 U	0.0213	0.0139	1	07/14/14 15:13	7/10/14	
gamma-Chlordane	0.0118 U	0.0213	0.0118	1	07/14/14 15:13	7/10/14	
Heptachlor	0.0160 U	0.0213	0.0160	1	07/14/14 15:13	7/10/14	
Heptachlor Epoxide	0.0107 U	0.0213	0.0107	1	07/14/14 15:13	7/10/14	
Methoxychlor	0.00958 U	0.0426	0.00958	1	07/14/14 15:13	7/10/14	
Toxaphene	0.273 U	0.532	0.273	1	07/14/14 15:13	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	22	10 - 160	07/14/14 15:13	
Tetrachloro-m-xylene	77	22 - 126	07/14/14 15:13	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.139 U	0.532	0.139	1	07/14/14 14:00	7/10/14	
Aroclor 1221	0.309 U	0.532	0.309	1	07/14/14 14:00	7/10/14	
Aroclor 1232	0.213 U	0.532	0.213	1	07/14/14 14:00	7/10/14	
Aroclor 1242	0.139 U	0.532	0.139	1	07/14/14 14:00	7/10/14	
Aroclor 1248	0.277 U	0.532	0.277	1	07/14/14 14:00	7/10/14	
Aroclor 1254	0.352 U	0.532	0.352	1	07/14/14 14:00	7/10/14	
Aroclor 1260	0.285 U	0.532	0.285	1	07/14/14 14:00	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 151	07/14/14 14:00	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Sample Name: MW-26B
Lab Code: J1405052-002

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Dissolved	6020	0.3 I	ug/L	1.0	0.2	1	07/14/14 23:03	07/14/14	
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/15/14 06:15	07/14/14	
Arsenic, Dissolved	6020	0.5 U	ug/L	1.0	0.5	1	07/14/14 23:03	07/14/14	
Arsenic, Total Recoverable	6020	1.4	ug/L	1.0	0.5	1	07/15/14 06:15	07/14/14	
Barium, Dissolved	6020	68.9	ug/L	2.0	0.5	1	07/14/14 23:03	07/14/14	
Barium, Total Recoverable	6020	278	ug/L	2.0	0.5	1	07/15/14 06:15	07/14/14	
Beryllium, Dissolved	6020	0.21 I	ug/L	0.50	0.04	1	07/14/14 23:03	07/14/14	
Beryllium, Total Recoverable	6020	0.92	ug/L	0.50	0.04	1	07/15/14 06:15	07/14/14	
Cadmium, Dissolved	6020	0.10 U	ug/L	0.40	0.10	1	07/14/14 23:03	07/14/14	
Cadmium, Total Recoverable	6020	0.34 I	ug/L	0.40	0.10	1	07/15/14 06:15	07/14/14	
Chromium, Dissolved	6020	6.8	ug/L	1.0	0.2	1	07/14/14 23:03	07/14/14	
Chromium, Total Recoverable	6020	25.3	ug/L	1.0	0.2	1	07/15/14 06:15	07/14/14	
Cobalt, Dissolved	6020	0.5 I	ug/L	1.0	0.03	1	07/14/14 23:03	07/14/14	
Cobalt, Total Recoverable	6020	1.5	ug/L	1.0	0.03	1	07/15/14 06:15	07/14/14	
Copper, Dissolved	6020	0.8 I	ug/L	1.0	0.3	1	07/14/14 23:03	07/14/14	
Copper, Total Recoverable	6020	3.2	ug/L	1.0	0.3	1	07/15/14 06:15	07/14/14	
Iron, Dissolved	6010B	1960	ug/L	100	3	1	07/16/14 04:14	07/14/14	
Iron, Total Recoverable	6010B	4890	ug/L	100	3	1	07/16/14 06:59	07/15/14	
Lead, Dissolved	6020	3.90	ug/L	0.50	0.12	1	07/14/14 23:03	07/14/14	
Lead, Total Recoverable	6020	20.4	ug/L	0.50	0.12	1	07/15/14 06:15	07/14/14	
Mercury, Dissolved	7470A	0.02 U	ug/L	0.10	0.02	1	07/14/14 14:48	07/11/14	
Mercury, Total	7470A	0.09 I	ug/L	0.10	0.02	1	07/14/14 14:39	07/11/14	
Nickel, Dissolved	6020	1.4 I	ug/L	2.0	0.5	1	07/14/14 23:03	07/14/14	
Nickel, Total Recoverable	6020	3.7	ug/L	2.0	0.5	1	07/15/14 06:15	07/14/14	
Selenium, Dissolved	6020	1.1 U	ug/L	2.0	1.1	1	07/14/14 23:03	07/14/14	
Selenium, Total Recoverable	6020	4.0	ug/L	2.0	1.1	1	07/15/14 06:15	07/14/14	
Silver, Dissolved	6020	0.06 U	ug/L	0.50	0.06	1	07/14/14 23:03	07/14/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/15/14 06:15	07/14/14	
Sodium, Dissolved	6010B	12.1	mg/L	0.50	0.03	1	07/16/14 04:14	07/14/14	
Sodium, Total Recoverable	6010B	12.3	mg/L	0.50	0.03	1	07/16/14 06:59	07/15/14	
Thallium, Dissolved	6020	0.05 U	ug/L	0.20	0.05	1	07/14/14 23:03	07/14/14	
Thallium, Total Recoverable	6020	0.14 I	ug/L	0.20	0.05	1	07/15/14 06:15	07/14/14	
Tin, Dissolved	6010B	2 U	ug/L	40	2	1	07/16/14 04:15	07/14/14	
Tin, Total Recoverable	6010B	2 U	ug/L	40	2	1	07/16/14 07:00	07/15/14	
Vanadium, Dissolved	6020	9.8	ug/L	2.0	0.3	1	07/14/14 23:03	07/14/14	
Vanadium, Total Recoverable	6020	36.6	ug/L	2.0	0.3	1	07/15/14 06:15	07/14/14	
Zinc, Dissolved	6020	5.4	ug/L	5.0	1.6	1	07/14/14 23:03	07/14/14	
Zinc, Total Recoverable	6020	8.3	ug/L	5.0	1.6	1	07/15/14 06:15	07/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Sample Name: MW-26B
Lab Code: J1405052-002

Service Request: J1405052
Date Collected: 07/09/14 10:55
Date Received: 07/10/14 09:00

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.283	mg/L	0.010	0.007	1	07/14/14 17:01	NA	
Chloride	300.0	17.8	mg/L	1.0	0.2	1	07/11/14 06:46	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	07/16/14 13:30	07/14/14	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/11/14 06:46	NA	
Solids, Total Dissolved	SM 2540 C	413	mg/L	10	10	1	07/11/14 11:14	NA	
Sulfide, Total	SM 4500-S2- F	0.8 IV	mg/L	2.0	0.4	1	07/15/14 15:42	NA	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 20:32	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 20:32	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 20:32	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 20:32	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 20:32	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 20:32	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 20:32	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 20:32	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 20:32	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 20:32	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 20:32	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 20:32	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 20:32	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 20:32	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 20:32	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 20:32	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 20:32	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 20:32	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 20:32	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 20:32	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 20:32	
Acetone	5.6 U	50	5.6	1	07/16/14 20:32	
Acetonitrile	18 U	25	18	1	07/16/14 20:32	
Acrolein	3.0 U	50	3.0	1	07/16/14 20:32	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 20:32	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 20:32	
Benzene	0.21 U	1.0	0.21	1	07/16/14 20:32	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 20:32	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 20:32	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 20:32	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 20:32	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 20:32	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 20:32	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 20:32	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 20:32	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 20:32	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 20:32	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 20:32	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 20:32	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 20:32	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 20:32	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 20:32	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 20:32	*

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 20:32	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 20:32	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 20:32	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 20:32	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 20:32	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 20:32	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 20:32	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 20:32	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 20:32	
Naphthalene	0.38 U	10	0.38	1	07/16/14 20:32	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 20:32	
Propionitrile	3.9 U	25	3.9	1	07/16/14 20:32	
Styrene	0.29 U	1.0	0.29	1	07/16/14 20:32	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 20:32	
Toluene	0.19 U	1.0	0.19	1	07/16/14 20:32	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 20:32	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 20:32	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 20:32	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 20:32	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 20:32	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 20:32	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 20:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	72 - 121	07/16/14 20:32	
4-Bromofluorobenzene	94	86 - 113	07/16/14 20:32	
Dibromofluoromethane	104	86 - 112	07/16/14 20:32	
Toluene-d8	96	88 - 115	07/16/14 20:32	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.40 U	5.81	1.40	1	07/19/14 05:17	7/14/14	
1,2,4-Trichlorobenzene	0.698 U	5.81	0.698	1	07/19/14 05:17	7/14/14	
1,2-Dichlorobenzene	0.745 U	5.81	0.745	1	07/19/14 05:17	7/14/14	
1,3,5-Trinitrobenzene	1.75 U	5.81	1.75	1	07/19/14 05:17	7/14/14	
1,3-Dichlorobenzene	1.07 U	5.81	1.07	1	07/19/14 05:17	7/14/14	
1,3-Dinitrobenzene	0.745 U	11.6	0.745	1	07/19/14 05:17	7/14/14	
1,4-Dichlorobenzene	1.06 U	5.81	1.06	1	07/19/14 05:17	7/14/14	
1,4-Naphthoquinone	1.87 U	11.6	1.87	1	07/19/14 05:17	7/14/14	
1-Naphthylamine	2.33 U	5.81	2.33	1	07/19/14 05:17	7/14/14	
2,3,4,6-Tetrachlorophenol	1.87 U	5.81	1.87	1	07/19/14 05:17	7/14/14	
2,4,5-Trichlorophenol	1.52 U	5.81	1.52	1	07/19/14 05:17	7/14/14	
2,4,6-Trichlorophenol	1.04 U	5.81	1.04	1	07/19/14 05:17	7/14/14	
2,4-Dichlorophenol	1.40 U	5.81	1.40	1	07/19/14 05:17	7/14/14	
2,4-Dimethylphenol	1.75 U	5.81	1.75	1	07/19/14 05:17	7/14/14	
2,4-Dinitrophenol	0.884 U	23.3	0.884	1	07/19/14 05:17	7/14/14	
2,4-Dinitrotoluene	1.52 U	5.81	1.52	1	07/19/14 05:17	7/14/14	
2,6-Dichlorophenol	1.52 U	11.6	1.52	1	07/19/14 05:17	7/14/14	
2,6-Dinitrotoluene	1.28 U	5.81	1.28	1	07/19/14 05:17	7/14/14	
2-Acetylaminofluorene	1.12 U	5.81	1.12	1	07/19/14 05:17	7/14/14	
2-Chloronaphthalene	5.35 U	5.81	5.35	1	07/19/14 05:17	7/14/14	
2-Chlorophenol	1.40 U	5.81	1.40	1	07/19/14 05:17	7/14/14	
2-Methylnaphthalene	0.733 U	5.81	0.733	1	07/19/14 05:17	7/14/14	
2-Methylphenol	1.52 U	5.81	1.52	1	07/19/14 05:17	7/14/14	
2-Naphthylamine	2.68 U	5.81	2.68	1	07/19/14 05:17	7/14/14	
2-Nitroaniline	1.75 U	5.81	1.75	1	07/19/14 05:17	7/14/14	
2-Nitrophenol	1.63 U	23.3	1.63	1	07/19/14 05:17	7/14/14	
3- and 4-Methylphenol Coelution	1.17 U	5.81	1.17	1	07/19/14 05:17	7/14/14	
3,3'-Dichlorobenzidine	1.63 U	23.3	1.63	1	07/19/14 05:17	7/14/14	
3,3'-Dimethylbenzidine	5.59 U	23.3	5.59	1	07/19/14 05:17	7/14/14	
3-Methylcholanthrene	1.63 U	5.81	1.63	1	07/19/14 05:17	7/14/14	
3-Nitroaniline	1.28 U	5.81	1.28	1	07/19/14 05:17	7/14/14	
4,6-Dinitro-2-methylphenol	1.17 U	23.3	1.17	1	07/19/14 05:17	7/14/14	
4-Aminobiphenyl	2.21 U	5.81	2.21	1	07/19/14 05:17	7/14/14	
4-Bromophenyl Phenyl Ether	1.52 U	5.81	1.52	1	07/19/14 05:17	7/14/14	
4-Chloro-3-methylphenol	2.10 U	5.81	2.10	1	07/19/14 05:17	7/14/14	
4-Chloroaniline	1.63 U	5.81	1.63	1	07/19/14 05:17	7/14/14	
4-Chlorophenyl Phenyl Ether	1.12 U	5.81	1.12	1	07/19/14 05:17	7/14/14	
4-Nitroaniline	1.17 U	5.81	1.17	1	07/19/14 05:17	7/14/14	
4-Nitrophenol	2.10 U	23.3	2.10	1	07/19/14 05:17	7/14/14	
5-Nitro-o-toluidine	1.28 U	5.81	1.28	1	07/19/14 05:17	7/14/14	
7,12-Dimethylbenz(a)anthracene	1.40 U	5.81	1.40	1	07/19/14 05:17	7/14/14	
Acenaphthene	4.89 U	5.81	4.89	1	07/19/14 05:17	7/14/14	
Acenaphthylene	1.16 U	5.81	1.16	1	07/19/14 05:17	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	1.87 U	11.6	1.87	1	07/19/14 05:17	7/14/14	
Anthracene	1.87 U	5.81	1.87	1	07/19/14 05:17	7/14/14	
Benz(a)anthracene	1.17 U	5.81	1.17	1	07/19/14 05:17	7/14/14	
Benzo(a)pyrene	1.40 U	5.81	1.40	1	07/19/14 05:17	7/14/14	
Benzo(b)fluoranthene	1.17 U	5.81	1.17	1	07/19/14 05:17	7/14/14	
Benzo(g,h,i)perylene	1.63 U	5.81	1.63	1	07/19/14 05:17	7/14/14	
Benzo(k)fluoranthene	2.10 U	5.81	2.10	1	07/19/14 05:17	7/14/14	
Benzyl Alcohol	1.63 U	5.81	1.63	1	07/19/14 05:17	7/14/14	
Bis(2-chloroethoxy)methane	1.40 U	5.81	1.40	1	07/19/14 05:17	7/14/14	
Bis(2-chloroethyl) Ether	2.21 U	5.81	2.21	1	07/19/14 05:17	7/14/14	
Bis(2-chloroisopropyl) Ether	1.75 U	5.81	1.75	1	07/19/14 05:17	7/14/14	
Bis(2-ethylhexyl) Phthalate	1.75 U	5.81	1.75	1	07/19/14 05:17	7/14/14	
Butyl Benzyl Phthalate	1.00 U	11.6	1.00	1	07/19/14 05:17	7/14/14	
Chlorobenzilate	1.05 U	11.6	1.05	1	07/19/14 05:17	7/14/14	
Chrysene	1.40 U	5.81	1.40	1	07/19/14 05:17	7/14/14	
Diallate	1.98 U	5.81	1.98	1	07/19/14 05:17	7/14/14	
Dibenz(a,h)anthracene	1.75 U	5.81	1.75	1	07/19/14 05:17	7/14/14	
Dibenzofuran	1.52 U	5.81	1.52	1	07/19/14 05:17	7/14/14	
Diethyl Phthalate	1.98 U	5.81	1.98	1	07/19/14 05:17	7/14/14	
Dimethoate	2.21 U	5.81	2.21	1	07/19/14 05:17	7/14/14	
Dimethyl Phthalate	1.52 U	5.81	1.52	1	07/19/14 05:17	7/14/14	
Di-n-butyl Phthalate	2.56 U	5.81	2.56	1	07/19/14 05:17	7/14/14	
Di-n-octyl Phthalate	3.26 U	5.81	3.26	1	07/19/14 05:17	7/14/14	
Dinoseb	2.91 U	5.81	2.91	1	07/19/14 05:17	7/14/14	
Diphenylamine + n-Nitrosodiphenylamine	1.28 U	5.81	1.28	1	07/19/14 05:17	7/14/14	
Disulfoton	2.21 U	5.81	2.21	1	07/19/14 05:17	7/14/14	
Ethyl Methanesulfonate	1.87 U	5.81	1.87	1	07/19/14 05:17	7/14/14	
Famphur	2.21 U	11.6	2.21	1	07/19/14 05:17	7/14/14	
Fluoranthene	1.63 U	5.81	1.63	1	07/19/14 05:17	7/14/14	
Fluorene	0.977 U	5.81	0.977	1	07/19/14 05:17	7/14/14	
Hexachlorobenzene	1.98 U	5.81	1.98	1	07/19/14 05:17	7/14/14	
Hexachlorobutadiene	1.40 U	5.81	1.40	1	07/19/14 05:17	7/14/14	
Hexachlorocyclopentadiene	0.582 U	5.81	0.582	1	07/19/14 05:17	7/14/14	
Hexachloroethane	0.942 U	5.81	0.942	1	07/19/14 05:17	7/14/14	
Hexachloropropene	1.06 U	5.81	1.06	1	07/19/14 05:17	7/14/14	
Indeno(1,2,3-cd)pyrene	1.98 U	5.81	1.98	1	07/19/14 05:17	7/14/14	
Isodrin	2.10 U	11.6	2.10	1	07/19/14 05:17	7/14/14	
Isophorone	2.10 U	5.81	2.10	1	07/19/14 05:17	7/14/14	
Isosafrole	1.16 U	5.81	1.16	1	07/19/14 05:17	7/14/14	
Kepone	4.42 U	58.1	4.42	1	07/19/14 05:17	7/14/14	
Methapyrilene	3.84 U	5.81	3.84	1	07/19/14 05:17	7/14/14	
Methyl Methanesulfonate	1.87 U	5.81	1.87	1	07/19/14 05:17	7/14/14	
Methyl Parathion	2.33 U	11.6	2.33	1	07/19/14 05:17	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	1.13 I	5.81	0.617	1	07/19/14 05:17	7/14/14	
Nitrobenzene	2.45 U	5.81	2.45	1	07/19/14 05:17	7/14/14	
N-Nitrosodiethylamine	1.75 U	5.81	1.75	1	07/19/14 05:17	7/14/14	
N-Nitrosodimethylamine	1.12 U	5.81	1.12	1	07/19/14 05:17	7/14/14	
N-Nitrosodi-n-butylamine	1.75 U	5.81	1.75	1	07/19/14 05:17	7/14/14	
N-Nitrosodi-n-propylamine	2.56 U	5.81	2.56	1	07/19/14 05:17	7/14/14	
N-Nitrosomethylethylamine	1.12 U	5.81	1.12	1	07/19/14 05:17	7/14/14	
N-Nitrosopiperidine	1.52 U	5.81	1.52	1	07/19/14 05:17	7/14/14	
N-Nitrosopyrrolidine	1.98 U	5.81	1.98	1	07/19/14 05:17	7/14/14	
O,O,O-Triethyl Phosphorothioate	1.06 U	23.3	1.06	1	07/19/14 05:17	7/14/14	
o-Toluidine	2.10 U	5.81	2.10	1	07/19/14 05:17	7/14/14	
Parathion	1.98 U	23.3	1.98	1	07/19/14 05:17	7/14/14	
p-Dimethylaminoazobenzene	1.28 U	5.81	1.28	1	07/19/14 05:17	7/14/14	
Pentachlorobenzene	1.04 U	5.81	1.04	1	07/19/14 05:17	7/14/14	
Pentachloronitrobenzene (PCNB)	2.91 U	5.81	2.91	1	07/19/14 05:17	7/14/14	
Pentachlorophenol (PCP)	1.28 U	23.3	1.28	1	07/19/14 05:17	7/14/14	
Phenacetin	2.45 U	5.81	2.45	1	07/19/14 05:17	7/14/14	
Phenanthrene	1.63 U	5.81	1.63	1	07/19/14 05:17	7/14/14	
Phenol	0.687 U	5.81	0.687	1	07/19/14 05:17	7/14/14	
Phorate	1.98 U	5.81	1.98	1	07/19/14 05:17	7/14/14	
p-Phenylenediamine	1.40 U	23.3	1.40	1	07/19/14 05:17	7/14/14	*
Pronamide	1.98 U	23.3	1.98	1	07/19/14 05:17	7/14/14	
Pyrene	0.861 U	5.81	0.861	1	07/19/14 05:17	7/14/14	
Safrole	1.00 U	5.81	1.00	1	07/19/14 05:17	7/14/14	
Thionazin	2.10 U	11.6	2.10	1	07/19/14 05:17	7/14/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	42	2 - 128	07/19/14 05:17	
2-Fluorobiphenyl	76	8 - 135	07/19/14 05:17	
2-Fluorophenol	45	6 - 76	07/19/14 05:17	
Nitrobenzene-d5	77	10 - 125	07/19/14 05:17	
Phenol-d6	44	6 - 56	07/19/14 05:17	
p-Terphenyl-d14	70	4 - 141	07/19/14 05:17	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benz(a)anthracene	0.0407 U	0.116	0.0407	1	07/16/14 12:19	7/14/14	
Benzo(a)pyrene	0.0361 U	0.116	0.0361	1	07/16/14 12:19	7/14/14	
Benzo(b)fluoranthene	0.0291 U	0.116	0.0291	1	07/16/14 12:19	7/14/14	
Benzo(k)fluoranthene	0.0407 U	0.116	0.0407	1	07/16/14 12:19	7/14/14	
Chrysene	0.0280 U	0.116	0.0280	1	07/16/14 12:19	7/14/14	
Dibenz(a,h)anthracene	0.0419 U	0.116	0.0419	1	07/16/14 12:19	7/14/14	
Indeno(1,2,3-cd)pyrene	0.0466 U	0.116	0.0466	1	07/16/14 12:19	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00709 U	0.0202	0.00709	1	07/11/14 17:43	7/11/14	
1,2-Dibromoethane (EDB)	0.00709 U	0.0202	0.00709	1	07/11/14 17:43	7/11/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	102	70 - 130	07/11/14 17:43	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.0113 U	0.0225	0.0113	1	07/14/14 15:38	7/10/14	
4,4'-DDE	0.0113 U	0.0225	0.0113	1	07/14/14 15:38	7/10/14	
4,4'-DDT	0.0135 U	0.0225	0.0135	1	07/14/14 15:38	7/10/14	
Aldrin	0.0192 U	0.0225	0.0192	1	07/14/14 15:38	7/10/14	
alpha-BHC	0.0158 U	0.0225	0.0158	1	07/14/14 15:38	7/10/14	
alpha-Chlordane	0.00899 U	0.0225	0.00899	1	07/14/14 15:38	7/10/14	
beta-BHC	0.0113 U	0.0225	0.0113	1	07/14/14 15:38	7/10/14	
Chlordane	0.292 U	0.562	0.292	1	07/14/14 15:38	7/10/14	
delta-BHC	0.0236 U	0.0236	0.0236	1	07/14/14 15:38	7/10/14	
Dieldrin	0.0124 U	0.0225	0.0124	1	07/14/14 15:38	7/10/14	
Endosulfan I	0.00787 U	0.0225	0.00787	1	07/14/14 15:38	7/10/14	
Endosulfan II	0.0113 U	0.0225	0.0113	1	07/14/14 15:38	7/10/14	
Endosulfan Sulfate	0.00787 U	0.0225	0.00787	1	07/14/14 15:38	7/10/14	
Endrin	0.0102 U	0.0225	0.0102	1	07/14/14 15:38	7/10/14	
Endrin Aldehyde	0.0315 U	0.0315	0.0315	1	07/14/14 15:38	7/10/14	
Endrin Ketone	0.0102 U	0.0225	0.0102	1	07/14/14 15:38	7/10/14	
gamma-BHC (Lindane)	0.0147 U	0.0225	0.0147	1	07/14/14 15:38	7/10/14	
gamma-Chlordane	0.0124 U	0.0225	0.0124	1	07/14/14 15:38	7/10/14	
Heptachlor	0.0169 U	0.0225	0.0169	1	07/14/14 15:38	7/10/14	
Heptachlor Epoxide	0.0113 U	0.0225	0.0113	1	07/14/14 15:38	7/10/14	
Methoxychlor	0.0102 U	0.0449	0.0102	1	07/14/14 15:38	7/10/14	
Toxaphene	0.288 U	0.562	0.288	1	07/14/14 15:38	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	60	10 - 160	07/14/14 15:38	
Tetrachloro-m-xylene	57	22 - 126	07/14/14 15:38	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.147 U	0.562	0.147	1	07/14/14 14:25	7/10/14	
Aroclor 1221	0.326 U	0.562	0.326	1	07/14/14 14:25	7/10/14	
Aroclor 1232	0.225 U	0.562	0.225	1	07/14/14 14:25	7/10/14	
Aroclor 1242	0.147 U	0.562	0.147	1	07/14/14 14:25	7/10/14	
Aroclor 1248	0.293 U	0.562	0.293	1	07/14/14 14:25	7/10/14	
Aroclor 1254	0.371 U	0.562	0.371	1	07/14/14 14:25	7/10/14	
Aroclor 1260	0.301 U	0.562	0.301	1	07/14/14 14:25	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	83	10 - 151	07/14/14 14:25	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00

Sample Name: MW-25A
Lab Code: J1405052-003

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/15/14 06:21	07/14/14	
Arsenic, Total Recoverable	6020	1.0	ug/L	1.0	0.5	1	07/15/14 06:21	07/14/14	
Barium, Total Recoverable	6020	60.1	ug/L	2.0	0.5	1	07/15/14 06:21	07/14/14	
Beryllium, Total Recoverable	6020	0.19 I	ug/L	0.50	0.04	1	07/15/14 06:21	07/14/14	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	07/15/14 06:21	07/14/14	
Chromium, Total Recoverable	6020	1.1	ug/L	1.0	0.2	1	07/15/14 06:21	07/14/14	
Cobalt, Total Recoverable	6020	0.9 I	ug/L	1.0	0.03	1	07/15/14 06:21	07/14/14	
Copper, Total Recoverable	6020	0.3 I	ug/L	1.0	0.3	1	07/15/14 06:21	07/14/14	
Iron, Total Recoverable	6010B	5900	ug/L	100	3	1	07/16/14 07:03	07/15/14	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	07/15/14 06:21	07/14/14	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	07/14/14 14:40	07/11/14	
Nickel, Total Recoverable	6020	0.6 I	ug/L	2.0	0.5	1	07/15/14 06:21	07/14/14	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	07/15/14 06:21	07/14/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/15/14 06:21	07/14/14	
Sodium, Total Recoverable	6010B	27.4	mg/L	0.50	0.03	1	07/16/14 07:03	07/15/14	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	07/15/14 06:21	07/14/14	
Tin, Total Recoverable	6010B	2 U	ug/L	40	2	1	07/16/14 07:04	07/15/14	
Vanadium, Total Recoverable	6020	2.6	ug/L	2.0	0.3	1	07/15/14 06:21	07/14/14	
Zinc, Total Recoverable	6020	4.4 I	ug/L	5.0	1.6	1	07/15/14 06:21	07/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water
Sample Name: MW-25A
Lab Code: J1405052-003

Service Request: J1405052
Date Collected: 07/09/14 12:00
Date Received: 07/10/14 09:00
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	1.06	mg/L	0.010	0.007	1	07/14/14 17:05	NA	
Chloride	300.0	54.6	mg/L	1.0	0.2	1	07/11/14 07:02	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	07/16/14 13:32	07/14/14	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/11/14 07:02	NA	
Solids, Total Dissolved	SM 2540 C	206	mg/L	10	10	1	07/11/14 11:14	NA	
Sulfide, Total	SM 4500-S2- F	3.8 V	mg/L	2.0	0.4	1	07/15/14 15:42	NA	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 21:01	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 21:01	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 21:01	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 21:01	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 21:01	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 21:01	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 21:01	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 21:01	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 21:01	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 21:01	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 21:01	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 21:01	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 21:01	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 21:01	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 21:01	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 21:01	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 21:01	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 21:01	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 21:01	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 21:01	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 21:01	
Acetone	5.6 U	50	5.6	1	07/16/14 21:01	
Acetonitrile	18 U	25	18	1	07/16/14 21:01	
Acrolein	3.0 U	50	3.0	1	07/16/14 21:01	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 21:01	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 21:01	
Benzene	0.21 U	1.0	0.21	1	07/16/14 21:01	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 21:01	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 21:01	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 21:01	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 21:01	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 21:01	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 21:01	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 21:01	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 21:01	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 21:01	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 21:01	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 21:01	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 21:01	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 21:01	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 21:01	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 21:01	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 21:01	*

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 21:01	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 21:01	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 21:01	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 21:01	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 21:01	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 21:01	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 21:01	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 21:01	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 21:01	
Naphthalene	0.38 U	10	0.38	1	07/16/14 21:01	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 21:01	
Propionitrile	3.9 U	25	3.9	1	07/16/14 21:01	
Styrene	0.29 U	1.0	0.29	1	07/16/14 21:01	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 21:01	
Toluene	0.19 U	1.0	0.19	1	07/16/14 21:01	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 21:01	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 21:01	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 21:01	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 21:01	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 21:01	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 21:01	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 21:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	105	72 - 121	07/16/14 21:01	
4-Bromofluorobenzene	92	86 - 113	07/16/14 21:01	
Dibromofluoromethane	103	86 - 112	07/16/14 21:01	
Toluene-d8	97	88 - 115	07/16/14 21:01	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.40 U	5.81	1.40	1	07/14/14 11:17	7/14/14	
1,2,4-Trichlorobenzene	0.698 U	5.81	0.698	1	07/14/14 11:17	7/14/14	
1,2-Dichlorobenzene	0.745 U	5.81	0.745	1	07/14/14 11:17	7/14/14	
1,3,5-Trinitrobenzene	1.75 U	5.81	1.75	1	07/14/14 11:17	7/14/14	
1,3-Dichlorobenzene	1.07 U	5.81	1.07	1	07/14/14 11:17	7/14/14	
1,3-Dinitrobenzene	0.745 U	11.6	0.745	1	07/14/14 11:17	7/14/14	
1,4-Dichlorobenzene	1.06 U	5.81	1.06	1	07/14/14 11:17	7/14/14	
1,4-Naphthoquinone	1.87 U	11.6	1.87	1	07/14/14 11:17	7/14/14	
1-Naphthylamine	2.33 U	5.81	2.33	1	07/14/14 11:17	7/14/14	
2,3,4,6-Tetrachlorophenol	1.87 U	5.81	1.87	1	07/14/14 11:17	7/14/14	
2,4,5-Trichlorophenol	1.52 U	5.81	1.52	1	07/14/14 11:17	7/14/14	
2,4,6-Trichlorophenol	1.04 U	5.81	1.04	1	07/14/14 11:17	7/14/14	
2,4-Dichlorophenol	1.40 U	5.81	1.40	1	07/14/14 11:17	7/14/14	
2,4-Dimethylphenol	1.75 U	5.81	1.75	1	07/14/14 11:17	7/14/14	
2,4-Dinitrophenol	0.884 U	23.3	0.884	1	07/14/14 11:17	7/14/14	
2,4-Dinitrotoluene	1.52 U	5.81	1.52	1	07/14/14 11:17	7/14/14	
2,6-Dichlorophenol	1.52 U	11.6	1.52	1	07/14/14 11:17	7/14/14	
2,6-Dinitrotoluene	1.28 U	5.81	1.28	1	07/14/14 11:17	7/14/14	
2-Acetylaminofluorene	1.12 U	5.81	1.12	1	07/14/14 11:17	7/14/14	
2-Chloronaphthalene	5.35 U	5.81	5.35	1	07/14/14 11:17	7/14/14	
2-Chlorophenol	1.40 U	5.81	1.40	1	07/14/14 11:17	7/14/14	
2-Methylnaphthalene	0.733 U	5.81	0.733	1	07/14/14 11:17	7/14/14	
2-Methylphenol	1.52 U	5.81	1.52	1	07/14/14 11:17	7/14/14	
2-Naphthylamine	2.68 U	5.81	2.68	1	07/14/14 11:17	7/14/14	
2-Nitroaniline	1.75 U	5.81	1.75	1	07/14/14 11:17	7/14/14	
2-Nitrophenol	1.63 U	23.3	1.63	1	07/14/14 11:17	7/14/14	
3- and 4-Methylphenol Coelution	1.17 U	5.81	1.17	1	07/14/14 11:17	7/14/14	
3,3'-Dichlorobenzidine	1.63 U	23.3	1.63	1	07/14/14 11:17	7/14/14	
3,3'-Dimethylbenzidine	5.59 U	23.3	5.59	1	07/14/14 11:17	7/14/14	
3-Methylcholanthrene	1.63 U	5.81	1.63	1	07/14/14 11:17	7/14/14	
3-Nitroaniline	1.28 U	5.81	1.28	1	07/14/14 11:17	7/14/14	
4,6-Dinitro-2-methylphenol	1.17 U	23.3	1.17	1	07/14/14 11:17	7/14/14	
4-Aminobiphenyl	2.21 U	5.81	2.21	1	07/14/14 11:17	7/14/14	
4-Bromophenyl Phenyl Ether	1.52 U	5.81	1.52	1	07/14/14 11:17	7/14/14	
4-Chloro-3-methylphenol	2.10 U	5.81	2.10	1	07/14/14 11:17	7/14/14	
4-Chloroaniline	1.63 U	5.81	1.63	1	07/14/14 11:17	7/14/14	
4-Chlorophenyl Phenyl Ether	1.12 U	5.81	1.12	1	07/14/14 11:17	7/14/14	
4-Nitroaniline	1.17 U	5.81	1.17	1	07/14/14 11:17	7/14/14	
4-Nitrophenol	2.10 U	23.3	2.10	1	07/14/14 11:17	7/14/14	
5-Nitro-o-toluidine	1.28 U	5.81	1.28	1	07/14/14 11:17	7/14/14	
7,12-Dimethylbenz(a)anthracene	1.40 U	5.81	1.40	1	07/14/14 11:17	7/14/14	
Acenaphthene	4.89 U	5.81	4.89	1	07/14/14 11:17	7/14/14	
Acenaphthylene	1.16 U	5.81	1.16	1	07/14/14 11:17	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Acetophenone	1.87 U	11.6	1.87	1	07/14/14 11:17	7/14/14	
Anthracene	1.87 U	5.81	1.87	1	07/14/14 11:17	7/14/14	
Benz(a)anthracene	1.17 U	5.81	1.17	1	07/14/14 11:17	7/14/14	
Benzo(a)pyrene	1.40 U	5.81	1.40	1	07/14/14 11:17	7/14/14	
Benzo(b)fluoranthene	1.17 U	5.81	1.17	1	07/14/14 11:17	7/14/14	
Benzo(g,h,i)perylene	1.63 U	5.81	1.63	1	07/14/14 11:17	7/14/14	
Benzo(k)fluoranthene	2.10 U	5.81	2.10	1	07/14/14 11:17	7/14/14	
Benzyl Alcohol	1.63 U	5.81	1.63	1	07/14/14 11:17	7/14/14	
Bis(2-chloroethoxy)methane	1.40 U	5.81	1.40	1	07/14/14 11:17	7/14/14	
Bis(2-chloroethyl) Ether	2.21 U	5.81	2.21	1	07/14/14 11:17	7/14/14	
Bis(2-chloroisopropyl) Ether	1.75 U	5.81	1.75	1	07/14/14 11:17	7/14/14	
Bis(2-ethylhexyl) Phthalate	1.75 U	5.81	1.75	1	07/14/14 11:17	7/14/14	
Butyl Benzyl Phthalate	1.00 U	11.6	1.00	1	07/14/14 11:17	7/14/14	
Chlorobenzilate	1.05 U	11.6	1.05	1	07/14/14 11:17	7/14/14	
Chrysene	1.40 U	5.81	1.40	1	07/14/14 11:17	7/14/14	
Diallate	1.98 U	5.81	1.98	1	07/14/14 11:17	7/14/14	
Dibenz(a,h)anthracene	1.75 U	5.81	1.75	1	07/14/14 11:17	7/14/14	
Dibenzofuran	1.52 U	5.81	1.52	1	07/14/14 11:17	7/14/14	
Diethyl Phthalate	1.98 U	5.81	1.98	1	07/14/14 11:17	7/14/14	
Dimethoate	2.21 U	5.81	2.21	1	07/14/14 11:17	7/14/14	
Dimethyl Phthalate	1.52 U	5.81	1.52	1	07/14/14 11:17	7/14/14	
Di-n-butyl Phthalate	2.56 U	5.81	2.56	1	07/14/14 11:17	7/14/14	
Di-n-octyl Phthalate	3.26 U	5.81	3.26	1	07/14/14 11:17	7/14/14	
Dinoseb	2.91 U	5.81	2.91	1	07/14/14 11:17	7/14/14	
Diphenylamine + n-Nitrosodiphenylamine	1.28 U	5.81	1.28	1	07/14/14 11:17	7/14/14	
Disulfoton	2.21 U	5.81	2.21	1	07/14/14 11:17	7/14/14	
Ethyl Methanesulfonate	1.87 U	5.81	1.87	1	07/14/14 11:17	7/14/14	
Famphur	2.21 U	11.6	2.21	1	07/14/14 11:17	7/14/14	
Fluoranthene	1.63 U	5.81	1.63	1	07/14/14 11:17	7/14/14	
Fluorene	0.977 U	5.81	0.977	1	07/14/14 11:17	7/14/14	
Hexachlorobenzene	1.98 U	5.81	1.98	1	07/14/14 11:17	7/14/14	
Hexachlorobutadiene	1.40 U	5.81	1.40	1	07/14/14 11:17	7/14/14	
Hexachlorocyclopentadiene	0.582 U	5.81	0.582	1	07/14/14 11:17	7/14/14	
Hexachloroethane	0.942 U	5.81	0.942	1	07/14/14 11:17	7/14/14	
Hexachloropropene	1.06 U	5.81	1.06	1	07/14/14 11:17	7/14/14	
Indeno(1,2,3-cd)pyrene	1.98 U	5.81	1.98	1	07/14/14 11:17	7/14/14	
Isodrin	2.10 U	11.6	2.10	1	07/14/14 11:17	7/14/14	
Isophorone	2.10 U	5.81	2.10	1	07/14/14 11:17	7/14/14	
Isosafrole	1.16 U	5.81	1.16	1	07/14/14 11:17	7/14/14	
Kepone	4.42 U	58.1	4.42	1	07/14/14 11:17	7/14/14	
Methapyrilene	3.84 U	5.81	3.84	1	07/14/14 11:17	7/14/14	
Methyl Methanesulfonate	1.87 U	5.81	1.87	1	07/14/14 11:17	7/14/14	
Methyl Parathion	2.33 U	11.6	2.33	1	07/14/14 11:17	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Naphthalene	0.628 I	5.81	0.617	1	07/14/14 11:17	7/14/14	
Nitrobenzene	2.45 U	5.81	2.45	1	07/14/14 11:17	7/14/14	
N-Nitrosodiethylamine	1.75 U	5.81	1.75	1	07/14/14 11:17	7/14/14	
N-Nitrosodimethylamine	1.12 U	5.81	1.12	1	07/14/14 11:17	7/14/14	
N-Nitrosodi-n-butylamine	1.75 U	5.81	1.75	1	07/14/14 11:17	7/14/14	
N-Nitrosodi-n-propylamine	2.56 U	5.81	2.56	1	07/14/14 11:17	7/14/14	
N-Nitrosomethylethylamine	1.12 U	5.81	1.12	1	07/14/14 11:17	7/14/14	
N-Nitrosopiperidine	1.52 U	5.81	1.52	1	07/14/14 11:17	7/14/14	
N-Nitrosopyrrolidine	1.98 U	5.81	1.98	1	07/14/14 11:17	7/14/14	
O,O,O-Triethyl Phosphorothioate	1.06 U	23.3	1.06	1	07/14/14 11:17	7/14/14	
o-Toluidine	2.10 U	5.81	2.10	1	07/14/14 11:17	7/14/14	
Parathion	1.98 U	23.3	1.98	1	07/14/14 11:17	7/14/14	
p-Dimethylaminoazobenzene	1.28 U	5.81	1.28	1	07/14/14 11:17	7/14/14	
Pentachlorobenzene	1.04 U	5.81	1.04	1	07/14/14 11:17	7/14/14	
Pentachloronitrobenzene (PCNB)	2.91 U	5.81	2.91	1	07/14/14 11:17	7/14/14	
Pentachlorophenol (PCP)	1.28 U	23.3	1.28	1	07/14/14 11:17	7/14/14	
Phenacetin	2.45 U	5.81	2.45	1	07/14/14 11:17	7/14/14	
Phenanthrene	1.63 U	5.81	1.63	1	07/14/14 11:17	7/14/14	
Phenol	0.687 U	5.81	0.687	1	07/14/14 11:17	7/14/14	
Phorate	1.98 U	5.81	1.98	1	07/14/14 11:17	7/14/14	
p-Phenylenediamine	1.40 U	23.3	1.40	1	07/14/14 11:17	7/14/14	*
Pronamide	1.98 U	23.3	1.98	1	07/14/14 11:17	7/14/14	
Pyrene	0.861 U	5.81	0.861	1	07/14/14 11:17	7/14/14	
Safrole	1.00 U	5.81	1.00	1	07/14/14 11:17	7/14/14	
Thionazin	2.10 U	11.6	2.10	1	07/14/14 11:17	7/14/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80	2 - 128	07/14/14 11:17	
2-Fluorobiphenyl	85	8 - 135	07/14/14 11:17	
2-Fluorophenol	61	6 - 76	07/14/14 11:17	
Nitrobenzene-d5	71	10 - 125	07/14/14 11:17	
Phenol-d6	45	6 - 56	07/14/14 11:17	
p-Terphenyl-d14	55	4 - 141	07/14/14 11:17	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benz(a)anthracene	0.0407 U	0.116	0.0407	1	07/25/14 01:33	7/14/14	
Benzo(a)pyrene	0.0361 U	0.116	0.0361	1	07/25/14 01:33	7/14/14	
Benzo(b)fluoranthene	0.0291 U	0.116	0.0291	1	07/25/14 01:33	7/14/14	
Benzo(k)fluoranthene	0.0407 U	0.116	0.0407	1	07/25/14 01:33	7/14/14	
Chrysene	0.0280 U	0.116	0.0280	1	07/25/14 01:33	7/14/14	
Dibenz(a,h)anthracene	0.0419 U	0.116	0.0419	1	07/25/14 01:33	7/14/14	
Indeno(1,2,3-cd)pyrene	0.0466 U	0.116	0.0466	1	07/25/14 01:33	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00711 U	0.0203	0.00711	1	07/11/14 18:04	7/11/14	
1,2-Dibromoethane (EDB)	0.00711 U	0.0203	0.00711	1	07/11/14 18:04	7/11/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	105	70 - 130	07/11/14 18:04	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.0112 U	0.0222	0.0112	1	07/14/14 16:04	7/10/14	
4,4'-DDE	0.0112 U	0.0222	0.0112	1	07/14/14 16:04	7/10/14	
4,4'-DDT	0.0134 U	0.0222	0.0134	1	07/14/14 16:04	7/10/14	
Aldrin	0.0189 U	0.0222	0.0189	1	07/14/14 16:04	7/10/14	
alpha-BHC	0.0156 U	0.0222	0.0156	1	07/14/14 16:04	7/10/14	
alpha-Chlordane	0.00889 U	0.0222	0.00889	1	07/14/14 16:04	7/10/14	
beta-BHC	0.0112 U	0.0222	0.0112	1	07/14/14 16:04	7/10/14	
Chlordane	0.288 U	0.556	0.288	1	07/14/14 16:04	7/10/14	
delta-BHC	0.0234 U	0.0234	0.0234	1	07/14/14 16:04	7/10/14	
Dieldrin	0.0123 U	0.0222	0.0123	1	07/14/14 16:04	7/10/14	
Endosulfan I	0.00778 U	0.0222	0.00778	1	07/14/14 16:04	7/10/14	
Endosulfan II	0.0112 U	0.0222	0.0112	1	07/14/14 16:04	7/10/14	
Endosulfan Sulfate	0.00778 U	0.0222	0.00778	1	07/14/14 16:04	7/10/14	
Endrin	0.0100 U	0.0222	0.0100	1	07/14/14 16:04	7/10/14	
Endrin Aldehyde	0.0312 U	0.0312	0.0312	1	07/14/14 16:04	7/10/14	
Endrin Ketone	0.0100 U	0.0222	0.0100	1	07/14/14 16:04	7/10/14	
gamma-BHC (Lindane)	0.0145 U	0.0222	0.0145	1	07/14/14 16:04	7/10/14	
gamma-Chlordane	0.0123 U	0.0222	0.0123	1	07/14/14 16:04	7/10/14	
Heptachlor	0.0167 U	0.0222	0.0167	1	07/14/14 16:04	7/10/14	
Heptachlor Epoxide	0.0112 U	0.0222	0.0112	1	07/14/14 16:04	7/10/14	
Methoxychlor	0.0100 U	0.0444	0.0100	1	07/14/14 16:04	7/10/14	
Toxaphene	0.285 U	0.556	0.285	1	07/14/14 16:04	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	24	10 - 160	07/14/14 16:04	
Tetrachloro-m-xylene	81	22 - 126	07/14/14 16:04	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.145 U	0.556	0.145	1	07/14/14 14:49	7/10/14	
Aroclor 1221	0.323 U	0.556	0.323	1	07/14/14 14:49	7/10/14	
Aroclor 1232	0.223 U	0.556	0.223	1	07/14/14 14:49	7/10/14	
Aroclor 1242	0.145 U	0.556	0.145	1	07/14/14 14:49	7/10/14	
Aroclor 1248	0.289 U	0.556	0.289	1	07/14/14 14:49	7/10/14	
Aroclor 1254	0.367 U	0.556	0.367	1	07/14/14 14:49	7/10/14	
Aroclor 1260	0.297 U	0.556	0.297	1	07/14/14 14:49	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	32	10 - 151	07/14/14 14:49	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Sample Name: MW-25B
Lab Code: J1405052-004

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Dissolved	6020	0.2 I	ug/L	1.0	0.2	1	07/14/14 23:08	07/14/14	
Antimony, Total Recoverable	6020	0.3 I	ug/L	1.0	0.2	1	07/15/14 06:36	07/14/14	
Arsenic, Dissolved	6020	0.5 U	ug/L	1.0	0.5	1	07/14/14 23:08	07/14/14	
Arsenic, Total Recoverable	6020	1.9	ug/L	1.0	0.5	1	07/15/14 06:36	07/14/14	
Barium, Dissolved	6020	94.8	ug/L	2.0	0.5	1	07/14/14 23:08	07/14/14	
Barium, Total Recoverable	6020	273	ug/L	2.0	0.5	1	07/15/14 06:36	07/14/14	
Beryllium, Dissolved	6020	0.31 I	ug/L	0.50	0.04	1	07/14/14 23:08	07/14/14	
Beryllium, Total Recoverable	6020	0.89	ug/L	0.50	0.04	1	07/15/14 06:36	07/14/14	
Cadmium, Dissolved	6020	0.22 I	ug/L	0.40	0.10	1	07/14/14 23:08	07/14/14	
Cadmium, Total Recoverable	6020	0.86	ug/L	0.40	0.10	1	07/15/14 06:36	07/14/14	
Chromium, Dissolved	6020	8.2	ug/L	1.0	0.2	1	07/14/14 23:08	07/14/14	
Chromium, Total Recoverable	6020	22.8	ug/L	1.0	0.2	1	07/15/14 06:36	07/14/14	
Cobalt, Dissolved	6020	0.5 I	ug/L	1.0	0.03	1	07/14/14 23:08	07/14/14	
Cobalt, Total Recoverable	6020	1.4	ug/L	1.0	0.03	1	07/15/14 06:36	07/14/14	
Copper, Dissolved	6020	1.5	ug/L	1.0	0.3	1	07/14/14 23:08	07/14/14	
Copper, Total Recoverable	6020	4.9	ug/L	1.0	0.3	1	07/15/14 06:36	07/14/14	
Iron, Dissolved	6010B	1940	ug/L	100	3	1	07/16/14 04:18	07/14/14	
Iron, Total Recoverable	6010B	3370	ug/L	100	3	1	07/16/14 07:07	07/15/14	
Lead, Dissolved	6020	4.28	ug/L	0.50	0.12	1	07/14/14 23:08	07/14/14	
Lead, Total Recoverable	6020	14.6	ug/L	0.50	0.12	1	07/15/14 06:36	07/14/14	
Mercury, Dissolved	7470A	0.02 I	ug/L	0.10	0.02	1	07/14/14 14:49	07/11/14	
Mercury, Total	7470A	0.11	ug/L	0.10	0.02	1	07/14/14 14:42	07/11/14	
Nickel, Dissolved	6020	2.7	ug/L	2.0	0.5	1	07/14/14 23:08	07/14/14	
Nickel, Total Recoverable	6020	6.5	ug/L	2.0	0.5	1	07/15/14 06:36	07/14/14	
Selenium, Dissolved	6020	1.4 I	ug/L	2.0	1.1	1	07/14/14 23:08	07/14/14	
Selenium, Total Recoverable	6020	4.1	ug/L	2.0	1.1	1	07/15/14 06:36	07/14/14	
Silver, Dissolved	6020	0.06 U	ug/L	0.50	0.06	1	07/14/14 23:08	07/14/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/15/14 06:36	07/14/14	
Sodium, Dissolved	6010B	10.9	mg/L	0.50	0.03	1	07/16/14 04:18	07/14/14	
Sodium, Total Recoverable	6010B	10.9	mg/L	0.50	0.03	1	07/16/14 07:07	07/15/14	
Thallium, Dissolved	6020	0.05 U	ug/L	0.20	0.05	1	07/14/14 23:08	07/14/14	
Thallium, Total Recoverable	6020	0.09 I	ug/L	0.20	0.05	1	07/15/14 06:36	07/14/14	
Tin, Dissolved	6010B	2 U	ug/L	40	2	1	07/16/14 04:19	07/14/14	
Tin, Total Recoverable	6010B	2 U	ug/L	40	2	1	07/16/14 07:08	07/15/14	
Vanadium, Dissolved	6020	13.2	ug/L	2.0	0.3	1	07/14/14 23:08	07/14/14	
Vanadium, Total Recoverable	6020	38.5	ug/L	2.0	0.3	1	07/15/14 06:36	07/14/14	
Zinc, Dissolved	6020	8.4	ug/L	5.0	1.6	1	07/14/14 23:08	07/14/14	
Zinc, Total Recoverable	6020	7.1	ug/L	5.0	1.6	1	07/15/14 06:36	07/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Sample Name: MW-25B
Lab Code: J1405052-004

Service Request: J1405052
Date Collected: 07/09/14 12:30
Date Received: 07/10/14 09:00

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.158	mg/L	0.010	0.007	1	07/14/14 17:06	NA	
Chloride	300.0	18.7	mg/L	1.0	0.2	1	07/11/14 07:50	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	07/16/14 13:33	07/14/14	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/11/14 07:50	NA	
Solids, Total Dissolved	SM 2540 C	421	mg/L	10	10	1	07/11/14 11:14	NA	
Sulfide, Total	SM 4500-S2- F	1.0 IV	mg/L	2.0	0.4	1	07/15/14 15:42	NA	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-3
Lab Code: J1405052-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/17/14 14:47	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/17/14 14:47	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/17/14 14:47	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/17/14 14:47	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/17/14 14:47	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/17/14 14:47	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/17/14 14:47	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/17/14 14:47	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/17/14 14:47	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/17/14 14:47	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/17/14 14:47	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/17/14 14:47	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/17/14 14:47	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/17/14 14:47	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/17/14 14:47	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/17/14 14:47	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/17/14 14:47	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/17/14 14:47	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/17/14 14:47	
2-Hexanone	2.2 U	25	2.2	1	07/17/14 14:47	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/17/14 14:47	
Acetone	5.6 U	50	5.6	1	07/17/14 14:47	
Acetonitrile	18 U	25	18	1	07/17/14 14:47	
Acrolein	3.0 U	50	3.0	1	07/17/14 14:47	*
Acrylonitrile	1.5 U	10	1.5	1	07/17/14 14:47	
Allyl Chloride	0.39 U	5.0	0.39	1	07/17/14 14:47	
Benzene	0.21 U	1.0	0.21	1	07/17/14 14:47	
Bromochloromethane	0.27 U	5.0	0.27	1	07/17/14 14:47	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/17/14 14:47	
Bromoform	0.42 U	2.0	0.42	1	07/17/14 14:47	
Bromomethane	0.23 U	5.0	0.23	1	07/17/14 14:47	
Carbon Disulfide	2.4 U	10	2.4	1	07/17/14 14:47	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/17/14 14:47	
Chlorobenzene	0.16 U	1.0	0.16	1	07/17/14 14:47	
Chloroethane	0.52 U	5.0	0.52	1	07/17/14 14:47	
Chloroform	0.35 U	1.0	0.35	1	07/17/14 14:47	
Chloromethane	0.36 U	1.0	0.36	1	07/17/14 14:47	
Chloroprene	0.12 U	1.0	0.12	1	07/17/14 14:47	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/17/14 14:47	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/17/14 14:47	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/17/14 14:47	
Dibromomethane	0.36 U	5.0	0.36	1	07/17/14 14:47	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/17/14 14:47	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-3
Lab Code: J1405052-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/17/14 14:47	
Ethylbenzene	0.21 U	1.0	0.21	1	07/17/14 14:47	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/17/14 14:47	
Iodomethane	2.7 U	5.0	2.7	1	07/17/14 14:47	
Isobutyl Alcohol	43 U	100	43	1	07/17/14 14:47	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/17/14 14:47	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/17/14 14:47	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/17/14 14:47	
Methylene Chloride	0.21 U	5.0	0.21	1	07/17/14 14:47	
Naphthalene	0.38 U	10	0.38	1	07/17/14 14:47	
o-Xylene	0.14 U	1.0	0.14	1	07/17/14 14:47	
Propionitrile	3.9 U	25	3.9	1	07/17/14 14:47	
Styrene	0.29 U	1.0	0.29	1	07/17/14 14:47	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/17/14 14:47	
Toluene	0.19 U	1.0	0.19	1	07/17/14 14:47	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/17/14 14:47	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/17/14 14:47	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/17/14 14:47	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/17/14 14:47	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/17/14 14:47	
Vinyl Acetate	1.9 U	10	1.9	1	07/17/14 14:47	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/17/14 14:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/17/14 14:47	
4-Bromofluorobenzene	94	86 - 113	07/17/14 14:47	
Dibromofluoromethane	103	86 - 112	07/17/14 14:47	
Toluene-d8	95	88 - 115	07/17/14 14:47	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-4
Lab Code: J1405052-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 21:30	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 21:30	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 21:30	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 21:30	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 21:30	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 21:30	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 21:30	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 21:30	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 21:30	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 21:30	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 21:30	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 21:30	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 21:30	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 21:30	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 21:30	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 21:30	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 21:30	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 21:30	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 21:30	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 21:30	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 21:30	
Acetone	5.6 U	50	5.6	1	07/16/14 21:30	
Acetonitrile	18 U	25	18	1	07/16/14 21:30	
Acrolein	3.0 U	50	3.0	1	07/16/14 21:30	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 21:30	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 21:30	
Benzene	0.21 U	1.0	0.21	1	07/16/14 21:30	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 21:30	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 21:30	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 21:30	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 21:30	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 21:30	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 21:30	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 21:30	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 21:30	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 21:30	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 21:30	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 21:30	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 21:30	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 21:30	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 21:30	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 21:30	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 21:30	*

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-4
Lab Code: J1405052-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 21:30	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 21:30	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 21:30	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 21:30	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 21:30	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 21:30	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 21:30	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 21:30	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 21:30	
Naphthalene	0.38 U	10	0.38	1	07/16/14 21:30	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 21:30	
Propionitrile	3.9 U	25	3.9	1	07/16/14 21:30	
Styrene	0.29 U	1.0	0.29	1	07/16/14 21:30	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 21:30	
Toluene	0.19 U	1.0	0.19	1	07/16/14 21:30	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 21:30	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 21:30	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 21:30	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 21:30	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 21:30	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 21:30	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 21:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/16/14 21:30	
4-Bromofluorobenzene	91	86 - 113	07/16/14 21:30	
Dibromofluoromethane	103	86 - 112	07/16/14 21:30	
Toluene-d8	96	88 - 115	07/16/14 21:30	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-5
Lab Code: J1405052-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 21:57	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 21:57	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 21:57	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 21:57	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 21:57	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 21:57	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 21:57	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 21:57	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 21:57	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 21:57	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 21:57	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 21:57	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 21:57	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 21:57	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 21:57	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 21:57	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 21:57	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 21:57	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 21:57	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 21:57	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 21:57	
Acetone	5.6 U	50	5.6	1	07/16/14 21:57	
Acetonitrile	18 U	25	18	1	07/16/14 21:57	
Acrolein	3.0 U	50	3.0	1	07/16/14 21:57	*
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 21:57	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 21:57	
Benzene	0.21 U	1.0	0.21	1	07/16/14 21:57	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 21:57	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 21:57	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 21:57	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 21:57	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 21:57	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 21:57	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 21:57	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 21:57	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 21:57	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 21:57	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 21:57	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 21:57	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 21:57	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 21:57	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 21:57	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 21:57	*

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-5
Lab Code: J1405052-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 21:57	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 21:57	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 21:57	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 21:57	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 21:57	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 21:57	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 21:57	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 21:57	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 21:57	
Naphthalene	0.38 U	10	0.38	1	07/16/14 21:57	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 21:57	
Propionitrile	3.9 U	25	3.9	1	07/16/14 21:57	
Styrene	0.29 U	1.0	0.29	1	07/16/14 21:57	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 21:57	
Toluene	0.19 U	1.0	0.19	1	07/16/14 21:57	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 21:57	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 21:57	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 21:57	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 21:57	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 21:57	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 21:57	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 21:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/16/14 21:57	
4-Bromofluorobenzene	94	86 - 113	07/16/14 21:57	
Dibromofluoromethane	104	86 - 112	07/16/14 21:57	
Toluene-d8	95	88 - 115	07/16/14 21:57	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-6
Lab Code: J1405052-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/17/14 10:57	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/17/14 10:57	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/17/14 10:57	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/17/14 10:57	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/17/14 10:57	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/17/14 10:57	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/17/14 10:57	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/17/14 10:57	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/17/14 10:57	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/17/14 10:57	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/17/14 10:57	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/17/14 10:57	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/17/14 10:57	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/17/14 10:57	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/17/14 10:57	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/17/14 10:57	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/17/14 10:57	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/17/14 10:57	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/17/14 10:57	
2-Hexanone	2.2 U	25	2.2	1	07/17/14 10:57	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/17/14 10:57	
Acetone	5.6 U	50	5.6	1	07/17/14 10:57	
Acetonitrile	18 U	25	18	1	07/17/14 10:57	
Acrolein	3.0 U	50	3.0	1	07/17/14 10:57	*
Acrylonitrile	1.5 U	10	1.5	1	07/17/14 10:57	
Allyl Chloride	0.39 U	5.0	0.39	1	07/17/14 10:57	
Benzene	0.21 U	1.0	0.21	1	07/17/14 10:57	
Bromochloromethane	0.27 U	5.0	0.27	1	07/17/14 10:57	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/17/14 10:57	
Bromoform	0.42 U	2.0	0.42	1	07/17/14 10:57	
Bromomethane	0.23 U	5.0	0.23	1	07/17/14 10:57	
Carbon Disulfide	2.4 U	10	2.4	1	07/17/14 10:57	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/17/14 10:57	
Chlorobenzene	0.16 U	1.0	0.16	1	07/17/14 10:57	
Chloroethane	0.52 U	5.0	0.52	1	07/17/14 10:57	
Chloroform	0.35 U	1.0	0.35	1	07/17/14 10:57	
Chloromethane	0.36 U	1.0	0.36	1	07/17/14 10:57	
Chloroprene	0.12 U	1.0	0.12	1	07/17/14 10:57	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/17/14 10:57	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/17/14 10:57	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/17/14 10:57	
Dibromomethane	0.36 U	5.0	0.36	1	07/17/14 10:57	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/17/14 10:57	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-6
Lab Code: J1405052-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/17/14 10:57	
Ethylbenzene	0.21 U	1.0	0.21	1	07/17/14 10:57	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/17/14 10:57	
Iodomethane	2.7 U	5.0	2.7	1	07/17/14 10:57	
Isobutyl Alcohol	43 U	100	43	1	07/17/14 10:57	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/17/14 10:57	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/17/14 10:57	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/17/14 10:57	
Methylene Chloride	0.21 U	5.0	0.21	1	07/17/14 10:57	
Naphthalene	0.38 U	10	0.38	1	07/17/14 10:57	
o-Xylene	0.14 U	1.0	0.14	1	07/17/14 10:57	
Propionitrile	3.9 U	25	3.9	1	07/17/14 10:57	
Styrene	0.29 U	1.0	0.29	1	07/17/14 10:57	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/17/14 10:57	
Toluene	0.19 U	1.0	0.19	1	07/17/14 10:57	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/17/14 10:57	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/17/14 10:57	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/17/14 10:57	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/17/14 10:57	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/17/14 10:57	
Vinyl Acetate	1.9 U	10	1.9	1	07/17/14 10:57	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/17/14 10:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/17/14 10:57	
4-Bromofluorobenzene	94	86 - 113	07/17/14 10:57	
Dibromofluoromethane	103	86 - 112	07/17/14 10:57	
Toluene-d8	95	88 - 115	07/17/14 10:57	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-7
Lab Code: J1405052-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/17/14 11:26	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/17/14 11:26	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/17/14 11:26	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/17/14 11:26	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/17/14 11:26	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/17/14 11:26	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/17/14 11:26	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/17/14 11:26	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/17/14 11:26	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/17/14 11:26	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/17/14 11:26	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/17/14 11:26	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/17/14 11:26	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/17/14 11:26	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/17/14 11:26	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/17/14 11:26	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/17/14 11:26	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/17/14 11:26	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/17/14 11:26	
2-Hexanone	2.2 U	25	2.2	1	07/17/14 11:26	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/17/14 11:26	
Acetone	5.6 U	50	5.6	1	07/17/14 11:26	
Acetonitrile	18 U	25	18	1	07/17/14 11:26	
Acrolein	3.0 U	50	3.0	1	07/17/14 11:26	*
Acrylonitrile	1.5 U	10	1.5	1	07/17/14 11:26	
Allyl Chloride	0.39 U	5.0	0.39	1	07/17/14 11:26	
Benzene	0.21 U	1.0	0.21	1	07/17/14 11:26	
Bromochloromethane	0.27 U	5.0	0.27	1	07/17/14 11:26	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/17/14 11:26	
Bromoform	0.42 U	2.0	0.42	1	07/17/14 11:26	
Bromomethane	0.23 U	5.0	0.23	1	07/17/14 11:26	
Carbon Disulfide	2.4 U	10	2.4	1	07/17/14 11:26	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/17/14 11:26	
Chlorobenzene	0.16 U	1.0	0.16	1	07/17/14 11:26	
Chloroethane	0.52 U	5.0	0.52	1	07/17/14 11:26	
Chloroform	0.35 U	1.0	0.35	1	07/17/14 11:26	
Chloromethane	0.36 U	1.0	0.36	1	07/17/14 11:26	
Chloroprene	0.12 U	1.0	0.12	1	07/17/14 11:26	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/17/14 11:26	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/17/14 11:26	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/17/14 11:26	
Dibromomethane	0.36 U	5.0	0.36	1	07/17/14 11:26	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/17/14 11:26	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14 00:00
Date Received: 07/10/14 09:00

Sample Name: Trip Blank-7
Lab Code: J1405052-013

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/17/14 11:26	
Ethylbenzene	0.21 U	1.0	0.21	1	07/17/14 11:26	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/17/14 11:26	
Iodomethane	2.7 U	5.0	2.7	1	07/17/14 11:26	
Isobutyl Alcohol	43 U	100	43	1	07/17/14 11:26	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/17/14 11:26	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/17/14 11:26	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/17/14 11:26	
Methylene Chloride	0.21 U	5.0	0.21	1	07/17/14 11:26	
Naphthalene	0.38 U	10	0.38	1	07/17/14 11:26	
o-Xylene	0.14 U	1.0	0.14	1	07/17/14 11:26	
Propionitrile	3.9 U	25	3.9	1	07/17/14 11:26	
Styrene	0.29 U	1.0	0.29	1	07/17/14 11:26	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/17/14 11:26	
Toluene	0.19 U	1.0	0.19	1	07/17/14 11:26	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/17/14 11:26	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/17/14 11:26	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/17/14 11:26	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/17/14 11:26	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/17/14 11:26	
Vinyl Acetate	1.9 U	10	1.9	1	07/17/14 11:26	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/17/14 11:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/17/14 11:26	
4-Bromofluorobenzene	96	86 - 113	07/17/14 11:26	
Dibromofluoromethane	103	86 - 112	07/17/14 11:26	
Toluene-d8	95	88 - 115	07/17/14 11:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405306-03

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/16/14 15:54	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/16/14 15:54	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/16/14 15:54	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/16/14 15:54	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/16/14 15:54	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/16/14 15:54	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/16/14 15:54	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/16/14 15:54	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/16/14 15:54	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/16/14 15:54	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/16/14 15:54	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/16/14 15:54	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/16/14 15:54	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/16/14 15:54	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/16/14 15:54	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/16/14 15:54	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/16/14 15:54	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/16/14 15:54	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/16/14 15:54	
2-Hexanone	2.2 U	25	2.2	1	07/16/14 15:54	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/16/14 15:54	
Acetone	5.6 U	50	5.6	1	07/16/14 15:54	
Acetonitrile	18 U	25	18	1	07/16/14 15:54	
Acrolein	3.0 U	50	3.0	1	07/16/14 15:54	
Acrylonitrile	1.5 U	10	1.5	1	07/16/14 15:54	
Allyl Chloride	0.39 U	5.0	0.39	1	07/16/14 15:54	
Benzene	0.21 U	1.0	0.21	1	07/16/14 15:54	
Bromochloromethane	0.27 U	5.0	0.27	1	07/16/14 15:54	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/16/14 15:54	
Bromoform	0.42 U	2.0	0.42	1	07/16/14 15:54	
Bromomethane	0.23 U	5.0	0.23	1	07/16/14 15:54	
Carbon Disulfide	2.4 U	10	2.4	1	07/16/14 15:54	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/16/14 15:54	
Chlorobenzene	0.16 U	1.0	0.16	1	07/16/14 15:54	
Chloroethane	0.52 U	5.0	0.52	1	07/16/14 15:54	
Chloroform	0.35 U	1.0	0.35	1	07/16/14 15:54	
Chloromethane	0.36 U	1.0	0.36	1	07/16/14 15:54	
Chloroprene	0.12 U	1.0	0.12	1	07/16/14 15:54	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/16/14 15:54	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/16/14 15:54	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/16/14 15:54	
Dibromomethane	0.36 U	5.0	0.36	1	07/16/14 15:54	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/16/14 15:54	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405306-03

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/16/14 15:54	
Ethylbenzene	0.21 U	1.0	0.21	1	07/16/14 15:54	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/16/14 15:54	
Iodomethane	2.7 U	5.0	2.7	1	07/16/14 15:54	
Isobutyl Alcohol	43 U	100	43	1	07/16/14 15:54	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/16/14 15:54	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/16/14 15:54	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/16/14 15:54	
Methylene Chloride	0.21 U	5.0	0.21	1	07/16/14 15:54	
Naphthalene	0.38 U	10	0.38	1	07/16/14 15:54	
o-Xylene	0.14 U	1.0	0.14	1	07/16/14 15:54	
Propionitrile	3.9 U	25	3.9	1	07/16/14 15:54	
Styrene	0.29 U	1.0	0.29	1	07/16/14 15:54	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/16/14 15:54	
Toluene	0.19 U	1.0	0.19	1	07/16/14 15:54	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/16/14 15:54	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/16/14 15:54	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/16/14 15:54	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/16/14 15:54	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/16/14 15:54	
Vinyl Acetate	1.9 U	10	1.9	1	07/16/14 15:54	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/16/14 15:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	07/16/14 15:54	
4-Bromofluorobenzene	93	86 - 113	07/16/14 15:54	
Dibromofluoromethane	103	86 - 112	07/16/14 15:54	
Toluene-d8	96	88 - 115	07/16/14 15:54	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405337-02

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	07/17/14 10:28	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	07/17/14 10:28	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	07/17/14 10:28	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	07/17/14 10:28	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	07/17/14 10:28	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	07/17/14 10:28	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	07/17/14 10:28	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	07/17/14 10:28	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	07/17/14 10:28	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	07/17/14 10:28	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	07/17/14 10:28	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	07/17/14 10:28	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	07/17/14 10:28	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	07/17/14 10:28	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	07/17/14 10:28	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	07/17/14 10:28	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	07/17/14 10:28	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	07/17/14 10:28	
2-Butanone (MEK)	3.8 U	10	3.8	1	07/17/14 10:28	
2-Hexanone	2.2 U	25	2.2	1	07/17/14 10:28	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	07/17/14 10:28	
Acetone	5.6 U	50	5.6	1	07/17/14 10:28	
Acetonitrile	18 U	25	18	1	07/17/14 10:28	
Acrolein	3.0 U	50	3.0	1	07/17/14 10:28	
Acrylonitrile	1.5 U	10	1.5	1	07/17/14 10:28	
Allyl Chloride	0.39 U	5.0	0.39	1	07/17/14 10:28	
Benzene	0.21 U	1.0	0.21	1	07/17/14 10:28	
Bromochloromethane	0.27 U	5.0	0.27	1	07/17/14 10:28	
Bromodichloromethane	0.22 U	1.0	0.22	1	07/17/14 10:28	
Bromoform	0.42 U	2.0	0.42	1	07/17/14 10:28	
Bromomethane	0.23 U	5.0	0.23	1	07/17/14 10:28	
Carbon Disulfide	2.4 U	10	2.4	1	07/17/14 10:28	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	07/17/14 10:28	
Chlorobenzene	0.16 U	1.0	0.16	1	07/17/14 10:28	
Chloroethane	0.52 U	5.0	0.52	1	07/17/14 10:28	
Chloroform	0.35 U	1.0	0.35	1	07/17/14 10:28	
Chloromethane	0.36 U	1.0	0.36	1	07/17/14 10:28	
Chloroprene	0.12 U	1.0	0.12	1	07/17/14 10:28	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	07/17/14 10:28	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	07/17/14 10:28	
Dibromochloromethane	0.21 U	1.0	0.21	1	07/17/14 10:28	
Dibromomethane	0.36 U	5.0	0.36	1	07/17/14 10:28	
Dichlorodifluoromethane	0.23 U	20	0.23	1	07/17/14 10:28	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405337-02

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Q
Ethyl Methacrylate	0.35 U	1.0	0.35	1	07/17/14 10:28	
Ethylbenzene	0.21 U	1.0	0.21	1	07/17/14 10:28	
Hexachlorobutadiene	0.60 U	10	0.60	1	07/17/14 10:28	
Iodomethane	2.7 U	5.0	2.7	1	07/17/14 10:28	
Isobutyl Alcohol	43 U	100	43	1	07/17/14 10:28	
m,p-Xylenes	0.31 U	2.0	0.31	1	07/17/14 10:28	
Methacrylonitrile	1.6 U	5.0	1.6	1	07/17/14 10:28	
Methyl Methacrylate	0.49 U	2.0	0.49	1	07/17/14 10:28	
Methylene Chloride	0.21 U	5.0	0.21	1	07/17/14 10:28	
Naphthalene	0.38 U	10	0.38	1	07/17/14 10:28	
o-Xylene	0.14 U	1.0	0.14	1	07/17/14 10:28	
Propionitrile	3.9 U	25	3.9	1	07/17/14 10:28	
Styrene	0.29 U	1.0	0.29	1	07/17/14 10:28	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	07/17/14 10:28	
Toluene	0.19 U	1.0	0.19	1	07/17/14 10:28	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	07/17/14 10:28	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	07/17/14 10:28	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	07/17/14 10:28	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	07/17/14 10:28	
Trichlorofluoromethane	0.24 U	20	0.24	1	07/17/14 10:28	
Vinyl Acetate	1.9 U	10	1.9	1	07/17/14 10:28	
Vinyl Chloride	0.36 U	1.0	0.36	1	07/17/14 10:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	106	72 - 121	07/17/14 10:28	
4-Bromofluorobenzene	94	86 - 113	07/17/14 10:28	
Dibromofluoromethane	103	86 - 112	07/17/14 10:28	
Toluene-d8	97	88 - 115	07/17/14 10:28	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405196-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4,5-Tetrachlorobenzene	1.20 U	5.00	1.20	1	07/14/14 04:56	7/14/14	
1,2,4-Trichlorobenzene	0.600 U	5.00	0.600	1	07/19/14 07:36	7/14/14	
1,2-Dichlorobenzene	0.640 U	5.00	0.640	1	07/19/14 07:36	7/14/14	
1,3,5-Trinitrobenzene	1.50 U	5.00	1.50	1	07/14/14 04:56	7/14/14	
1,3-Dichlorobenzene	0.920 U	5.00	0.920	1	07/19/14 07:36	7/14/14	
1,3-Dinitrobenzene	0.640 U	10.0	0.640	1	07/14/14 04:56	7/14/14	
1,4-Dichlorobenzene	1.72 I	5.00	0.910	1	07/19/14 07:36	7/14/14	
1,4-Naphthoquinone	1.60 U	10.0	1.60	1	07/14/14 04:56	7/14/14	
1-Naphthylamine	2.00 U	5.00	2.00	1	07/14/14 04:56	7/14/14	
2,3,4,6-Tetrachlorophenol	1.60 U	5.00	1.60	1	07/14/14 04:56	7/14/14	
2,4,5-Trichlorophenol	1.30 U	5.00	1.30	1	07/19/14 07:36	7/14/14	
2,4,6-Trichlorophenol	0.890 U	5.00	0.890	1	07/19/14 07:36	7/14/14	
2,4-Dichlorophenol	1.20 U	5.00	1.20	1	07/19/14 07:36	7/14/14	
2,4-Dimethylphenol	1.50 U	5.00	1.50	1	07/19/14 07:36	7/14/14	
2,4-Dinitrophenol	0.760 U	20.0	0.760	1	07/19/14 07:36	7/14/14	
2,4-Dinitrotoluene	1.30 U	5.00	1.30	1	07/19/14 07:36	7/14/14	
2,6-Dichlorophenol	1.30 U	10.0	1.30	1	07/14/14 04:56	7/14/14	
2,6-Dinitrotoluene	1.10 U	5.00	1.10	1	07/19/14 07:36	7/14/14	
2-Chloronaphthalene	4.60 U	5.00	4.60	1	07/19/14 07:36	7/14/14	
2-Chlorophenol	1.20 U	5.00	1.20	1	07/19/14 07:36	7/14/14	
2-Methylnaphthalene	0.630 U	5.00	0.630	1	07/19/14 07:36	7/14/14	
2-Methylphenol	1.30 U	5.00	1.30	1	07/19/14 07:36	7/14/14	
2-Naphthylamine	2.30 U	5.00	2.30	1	07/14/14 04:56	7/14/14	
2-Nitroaniline	1.50 U	5.00	1.50	1	07/19/14 07:36	7/14/14	
2-Nitrophenol	1.40 U	20.0	1.40	1	07/19/14 07:36	7/14/14	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	07/19/14 07:36	7/14/14	
3,3'-Dichlorobenzidine	1.40 U	20.0	1.40	1	07/19/14 07:36	7/14/14	
3-Nitroaniline	1.10 U	5.00	1.10	1	07/19/14 07:36	7/14/14	
4,6-Dinitro-2-methylphenol	1.00 U	20.0	1.00	1	07/19/14 07:36	7/14/14	
4-Aminobiphenyl	1.90 U	5.00	1.90	1	07/14/14 04:56	7/14/14	
4-Bromophenyl Phenyl Ether	1.30 U	5.00	1.30	1	07/19/14 07:36	7/14/14	
4-Chloro-3-methylphenol	1.80 U	5.00	1.80	1	07/19/14 07:36	7/14/14	
4-Chloroaniline	1.40 U	5.00	1.40	1	07/19/14 07:36	7/14/14	
4-Chlorophenyl Phenyl Ether	0.960 U	5.00	0.960	1	07/19/14 07:36	7/14/14	
4-Nitroaniline	1.00 U	5.00	1.00	1	07/19/14 07:36	7/14/14	
4-Nitrophenol	1.80 U	20.0	1.80	1	07/19/14 07:36	7/14/14	
5-Nitro-o-toluidine	1.10 U	5.00	1.10	1	07/14/14 04:56	7/14/14	
Acenaphthene	4.20 U	5.00	4.20	1	07/19/14 07:36	7/14/14	
Acenaphthylene	0.990 U	5.00	0.990	1	07/19/14 07:36	7/14/14	
Acetophenone	1.60 U	10.0	1.60	1	07/19/14 07:36	7/14/14	
Anthracene	1.60 U	5.00	1.60	1	07/19/14 07:36	7/14/14	
Benz(a)anthracene	1.00 U	5.00	1.00	1	07/19/14 07:36	7/14/14	
Benzo(a)pyrene	1.20 U	5.00	1.20	1	07/19/14 07:36	7/14/14	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405196-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benzo(b)fluoranthene	1.00 U	5.00	1.00	1	07/19/14 07:36	7/14/14	
Benzo(g,h,i)perylene	1.40 U	5.00	1.40	1	07/19/14 07:36	7/14/14	
Benzo(k)fluoranthene	1.80 U	5.00	1.80	1	07/19/14 07:36	7/14/14	
Benzyl Alcohol	1.40 U	5.00	1.40	1	07/19/14 07:36	7/14/14	
Bis(2-chloroethoxy)methane	1.20 U	5.00	1.20	1	07/19/14 07:36	7/14/14	
Bis(2-chloroethyl) Ether	1.90 U	5.00	1.90	1	07/19/14 07:36	7/14/14	
Bis(2-chloroisopropyl) Ether	1.50 U	5.00	1.50	1	07/19/14 07:36	7/14/14	
Bis(2-ethylhexyl) Phthalate	1.50 U	5.00	1.50	1	07/19/14 07:36	7/14/14	
Butyl Benzyl Phthalate	0.860 U	10.0	0.860	1	07/19/14 07:36	7/14/14	
Chrysene	1.20 U	5.00	1.20	1	07/19/14 07:36	7/14/14	
Diallate	1.70 U	5.00	1.70	1	07/14/14 04:56	7/14/14	
Dibenz(a,h)anthracene	1.50 U	5.00	1.50	1	07/19/14 07:36	7/14/14	
Dibenzofuran	1.30 U	5.00	1.30	1	07/19/14 07:36	7/14/14	
Diethyl Phthalate	1.70 U	5.00	1.70	1	07/19/14 07:36	7/14/14	
Dimethoate	1.90 U	5.00	1.90	1	07/14/14 04:56	7/14/14	
Dimethyl Phthalate	1.30 U	5.00	1.30	1	07/19/14 07:36	7/14/14	
Di-n-butyl Phthalate	2.20 U	5.00	2.20	1	07/19/14 07:36	7/14/14	
Di-n-octyl Phthalate	2.80 U	5.00	2.80	1	07/19/14 07:36	7/14/14	
Dinoseb	2.50 U	5.00	2.50	1	07/14/14 04:56	7/14/14	
Diphenylamine + n-Nitrosodiphenylamine	1.10 U	5.00	1.10	1	07/19/14 07:36	7/14/14	
Disulfoton	1.90 U	5.00	1.90	1	07/14/14 04:56	7/14/14	
Ethyl Methanesulfonate	1.60 U	5.00	1.60	1	07/14/14 04:56	7/14/14	
Fluoranthene	1.40 U	5.00	1.40	1	07/19/14 07:36	7/14/14	
Fluorene	0.840 U	5.00	0.840	1	07/19/14 07:36	7/14/14	
Hexachlorobenzene	1.70 U	5.00	1.70	1	07/19/14 07:36	7/14/14	
Hexachlorobutadiene	1.20 U	5.00	1.20	1	07/19/14 07:36	7/14/14	
Hexachlorocyclopentadiene	0.500 U	5.00	0.500	1	07/19/14 07:36	7/14/14	
Hexachloroethane	0.810 U	5.00	0.810	1	07/19/14 07:36	7/14/14	
Hexachloropropene	0.910 U	5.00	0.910	1	07/14/14 04:56	7/14/14	
Indeno(1,2,3-cd)pyrene	1.70 U	5.00	1.70	1	07/19/14 07:36	7/14/14	
Isodrin	1.80 U	10.0	1.80	1	07/14/14 04:56	7/14/14	
Isophorone	1.80 U	5.00	1.80	1	07/19/14 07:36	7/14/14	
Isosafrole	0.990 U	5.00	0.990	1	07/14/14 04:56	7/14/14	
Methapyrilene	3.30 U	5.00	3.30	1	07/14/14 04:56	7/14/14	
Methyl Methanesulfonate	1.60 U	5.00	1.60	1	07/14/14 04:56	7/14/14	
Methyl Parathion	2.00 U	10.0	2.00	1	07/14/14 04:56	7/14/14	
Naphthalene	0.530 U	5.00	0.530	1	07/19/14 07:36	7/14/14	
Nitrobenzene	2.10 U	5.00	2.10	1	07/19/14 07:36	7/14/14	
N-Nitrosodiethylamine	1.50 U	5.00	1.50	1	07/14/14 04:56	7/14/14	
N-Nitrosodimethylamine	0.960 U	5.00	0.960	1	07/14/14 04:56	7/14/14	
N-Nitrosodi-n-butylamine	1.50 U	5.00	1.50	1	07/14/14 04:56	7/14/14	
N-Nitrosodi-n-propylamine	2.20 U	5.00	2.20	1	07/19/14 07:36	7/14/14	
N-Nitrosomethylethylamine	0.960 U	5.00	0.960	1	07/14/14 04:56	7/14/14	

ALS Group USA, Corp.
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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405196-01

Units: ug/L
Basis: NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
N-Nitrosopiperidine	1.30 U	5.00	1.30	1	07/14/14 04:56	7/14/14	
N-Nitrosopyrrolidine	1.70 U	5.00	1.70	1	07/14/14 04:56	7/14/14	
O,O,O-Triethyl Phosphorothioate	0.910 U	20.0	0.910	1	07/14/14 04:56	7/14/14	
o-Toluidine	1.80 U	5.00	1.80	1	07/14/14 04:56	7/14/14	
Parathion	1.70 U	20.0	1.70	1	07/14/14 04:56	7/14/14	
Pentachlorobenzene	0.890 U	5.00	0.890	1	07/14/14 04:56	7/14/14	
Pentachloronitrobenzene (PCNB)	2.50 U	5.00	2.50	1	07/14/14 04:56	7/14/14	
Pentachlorophenol (PCP)	1.10 U	20.0	1.10	1	07/19/14 07:36	7/14/14	
Phenacetin	2.10 U	5.00	2.10	1	07/14/14 04:56	7/14/14	
Phenanthrene	1.40 U	5.00	1.40	1	07/19/14 07:36	7/14/14	
Phenol	0.590 U	5.00	0.590	1	07/19/14 07:36	7/14/14	
Phorate	1.70 U	5.00	1.70	1	07/14/14 04:56	7/14/14	
p-Phenylenediamine	1.20 U	20.0	1.20	1	07/14/14 04:56	7/14/14	
Pronamide	1.70 U	20.0	1.70	1	07/14/14 04:56	7/14/14	
Pyrene	0.740 U	5.00	0.740	1	07/19/14 07:36	7/14/14	
Safrole	0.860 U	5.00	0.860	1	07/14/14 04:56	7/14/14	
Thionazin	1.80 U	10.0	1.80	1	07/14/14 04:56	7/14/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	71	2 - 128	07/19/14 07:36	
2-Fluorobiphenyl	54	8 - 135	07/19/14 07:36	
2-Fluorophenol	47	6 - 76	07/19/14 07:36	
Nitrobenzene-d5	57	10 - 125	07/19/14 07:36	
Phenol-d6	37	6 - 56	07/19/14 07:36	
p-Terphenyl-d14	85	4 - 141	07/19/14 07:36	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405261-01

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Benz(a)anthracene	0.0350 U	0.100	0.0350	1	07/15/14 09:21	7/14/14	
Benzo(a)pyrene	0.0310 U	0.100	0.0310	1	07/15/14 09:21	7/14/14	
Benzo(b)fluoranthene	0.0250 U	0.100	0.0250	1	07/15/14 09:21	7/14/14	
Benzo(k)fluoranthene	0.0350 U	0.100	0.0350	1	07/15/14 09:21	7/14/14	
Chrysene	0.0240 U	0.100	0.0240	1	07/15/14 09:21	7/14/14	
Dibenz(a,h)anthracene	0.0360 U	0.100	0.0360	1	07/15/14 09:21	7/14/14	
Indeno(1,2,3-cd)pyrene	0.0400 U	0.100	0.0400	1	07/15/14 09:21	7/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405145-01

Units: ug/L
Basis: NA

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	07/11/14 14:51	7/11/14	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	07/11/14 14:51	7/11/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	108	70 - 130	07/11/14 14:51	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405106-01

Units: ug/L
Basis: NA

Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
4,4'-DDD	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
4,4'-DDE	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
4,4'-DDT	0.0120 U	0.0200	0.0120	1	07/14/14 13:06	7/10/14	
Aldrin	0.0170 U	0.0200	0.0170	1	07/14/14 13:06	7/10/14	
alpha-BHC	0.0140 U	0.0200	0.0140	1	07/14/14 13:06	7/10/14	
alpha-Chlordane	0.00800 U	0.0200	0.00800	1	07/14/14 13:06	7/10/14	
beta-BHC	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
Chlordane	0.259 U	0.500	0.259	1	07/14/14 13:06	7/10/14	
delta-BHC	0.0210 U	0.0210	0.0210	1	07/14/14 13:06	7/10/14	
Dieldrin	0.0110 U	0.0200	0.0110	1	07/14/14 13:06	7/10/14	
Endosulfan I	0.00700 U	0.0200	0.00700	1	07/14/14 13:06	7/10/14	
Endosulfan II	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
Endosulfan Sulfate	0.00700 U	0.0200	0.00700	1	07/14/14 13:06	7/10/14	
Endrin	0.00900 U	0.0200	0.00900	1	07/14/14 13:06	7/10/14	
Endrin Aldehyde	0.0280 U	0.0280	0.0280	1	07/14/14 13:06	7/10/14	
Endrin Ketone	0.00900 U	0.0200	0.00900	1	07/14/14 13:06	7/10/14	
gamma-BHC (Lindane)	0.0130 U	0.0200	0.0130	1	07/14/14 13:06	7/10/14	
gamma-Chlordane	0.0110 U	0.0200	0.0110	1	07/14/14 13:06	7/10/14	
Heptachlor	0.0150 U	0.0200	0.0150	1	07/14/14 13:06	7/10/14	
Heptachlor Epoxide	0.0100 U	0.0200	0.0100	1	07/14/14 13:06	7/10/14	
Methoxychlor	0.00900 U	0.0400	0.00900	1	07/14/14 13:06	7/10/14	
Toxaphene	0.256 U	0.500	0.256	1	07/14/14 13:06	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	60	10 - 160	07/14/14 13:06	
Tetrachloro-m-xylene	82	22 - 126	07/14/14 13:06	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: JQ1405106-01

Units: ug/L
Basis: NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: Method

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.130 U	0.500	0.130	1	07/10/14 14:56	7/10/14	
Aroclor 1221	0.290 U	0.500	0.290	1	07/10/14 14:56	7/10/14	
Aroclor 1232	0.200 U	0.500	0.200	1	07/10/14 14:56	7/10/14	
Aroclor 1242	0.130 U	0.500	0.130	1	07/10/14 14:56	7/10/14	
Aroclor 1248	0.260 U	0.500	0.260	1	07/10/14 14:56	7/10/14	
Aroclor 1254	0.330 U	0.500	0.330	1	07/10/14 14:56	7/10/14	
Aroclor 1260	0.267 U	0.500	0.267	1	07/10/14 14:56	7/10/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	72	10 - 151	07/10/14 14:56	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: J1405052-MB

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Dissolved	6020	0.2 U	ug/L	1.0	0.2	1	07/14/14 22:28	07/14/14	
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	07/15/14 05:45	07/14/14	
Arsenic, Dissolved	6020	0.5 U	ug/L	1.0	0.5	1	07/14/14 22:28	07/14/14	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	07/15/14 05:45	07/14/14	
Barium, Dissolved	6020	0.5 U	ug/L	2.0	0.5	1	07/14/14 22:28	07/14/14	
Barium, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	07/15/14 05:45	07/14/14	
Beryllium, Dissolved	6020	0.04 U	ug/L	0.50	0.04	1	07/14/14 22:28	07/14/14	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	07/15/14 05:45	07/14/14	
Cadmium, Dissolved	6020	0.10 U	ug/L	0.40	0.10	1	07/14/14 22:28	07/14/14	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	07/15/14 05:45	07/14/14	
Chromium, Dissolved	6020	0.2 U	ug/L	1.0	0.2	1	07/14/14 22:28	07/14/14	
Chromium, Total Recoverable	6020	0.5 I	ug/L	1.0	0.2	1	07/15/14 05:45	07/14/14	
Cobalt, Dissolved	6020	0.03 U	ug/L	1.0	0.03	1	07/14/14 22:28	07/14/14	
Cobalt, Total Recoverable	6020	0.03 U	ug/L	1.0	0.03	1	07/15/14 05:45	07/14/14	
Copper, Dissolved	6020	0.3 U	ug/L	1.0	0.3	1	07/14/14 22:28	07/14/14	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	07/15/14 05:45	07/14/14	
Iron, Dissolved	6010B	3 U	ug/L	100	3	1	07/16/14 04:06	07/14/14	
Iron, Total Recoverable	6010B	3 U	ug/L	100	3	1	07/16/14 06:01	07/15/14	
Lead, Dissolved	6020	0.12 U	ug/L	0.50	0.12	1	07/14/14 22:28	07/14/14	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	07/15/14 05:45	07/14/14	
Mercury, Dissolved	7470A	0.02 U	ug/L	0.10	0.02	1	07/14/14 14:45	07/11/14	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	07/14/14 14:08	07/11/14	
Nickel, Dissolved	6020	0.5 U	ug/L	2.0	0.5	1	07/14/14 22:28	07/14/14	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	07/15/14 05:45	07/14/14	
Selenium, Dissolved	6020	1.1 U	ug/L	2.0	1.1	1	07/14/14 22:28	07/14/14	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	07/15/14 05:45	07/14/14	
Silver, Dissolved	6020	0.06 U	ug/L	0.50	0.06	1	07/14/14 22:28	07/14/14	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	07/15/14 05:45	07/14/14	
Sodium, Dissolved	6010B	0.03 U	mg/L	0.50	0.03	1	07/16/14 04:05	07/14/14	
Sodium, Total Recoverable	6010B	0.04 I	mg/L	0.50	0.03	1	07/16/14 06:01	07/15/14	
Thallium, Dissolved	6020	0.05 U	ug/L	0.20	0.05	1	07/14/14 22:28	07/14/14	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	07/15/14 05:45	07/14/14	
Tin, Dissolved	6010B	2 U	ug/L	40	2	1	07/16/14 04:07	07/14/14	
Tin, Total Recoverable	6010B	2 U	ug/L	40	2	1	07/16/14 06:03	07/15/14	
Vanadium, Dissolved	6020	0.3 U	ug/L	2.0	0.3	1	07/14/14 22:28	07/14/14	
Vanadium, Total Recoverable	6020	0.3 U	ug/L	2.0	0.3	1	07/15/14 05:45	07/14/14	
Zinc, Dissolved	6020	3.5 I	ug/L	5.0	1.6	1	07/14/14 22:28	07/14/14	
Zinc, Total Recoverable	6020	3.7 I	ug/L	5.0	1.6	1	07/15/14 05:45	07/14/14	

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Analytical Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: J1405052-MB

Service Request: J1405052
Date Collected: NA
Date Received: NA

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.007 U	mg/L	0.010	0.007	1	07/14/14 16:32	NA	
Chloride	300.0	0.2 U	mg/L	1.0	0.2	1	07/11/14 00:07	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	07/16/14 13:22	07/14/14	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	07/11/14 00:07	NA	
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	07/11/14 11:14	NA	
Sulfide, Total	SM 4500-S2- F	0.5 I	mg/L	2.0	0.4	1	07/15/14 15:42	NA	

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4	4-Bromofluorobenzene	Dibromofluoromethane
		72 - 121	86 - 113	86 - 112
MW-26A	J1405052-001	105	94	102
MW-26B	J1405052-002	104	92	103
MW-25A	J1405052-003	104	94	104
MW-25B	J1405052-004	105	92	103
Trip Blank-3	J1405052-009	106	94	103
Trip Blank-4	J1405052-010	106	91	103
Trip Blank-5	J1405052-011	106	94	104
Trip Blank-6	J1405052-012	106	94	103
Trip Blank-7	J1405052-013	106	96	103
Lab Control Sample	JQ1405306-01	101	93	102
Duplicate Lab Control Sample	JQ1405306-02	100	94	102
Method Blank	JQ1405306-03	102	93	103
Lab Control Sample	JQ1405337-01	102	96	104
Method Blank	JQ1405337-02	106	94	103

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8
		88 - 115
MW-26A	J1405052-001	96
MW-26B	J1405052-002	96
MW-25A	J1405052-003	96
MW-25B	J1405052-004	97
Trip Blank-3	J1405052-009	95
Trip Blank-4	J1405052-010	96
Trip Blank-5	J1405052-011	95
Trip Blank-6	J1405052-012	95
Trip Blank-7	J1405052-013	95
Lab Control Sample	JQ1405306-01	96
Duplicate Lab Control Sample	JQ1405306-02	97
Method Blank	JQ1405306-03	96
Lab Control Sample	JQ1405337-01	99
Method Blank	JQ1405337-02	97

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/16/14

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 402013

Analyte Name	Lab Control Sample JQ1405306-01			Duplicate Lab Control Sample JQ1405306-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1,2-Tetrachloroethane	53.0	50.0	106	52.0	50.0	104	77-118	2	30
1,1,1-Trichloroethane (TCA)	55.9	50.0	112	53.4	50.0	107	70-122	5	30
1,1,2,2-Tetrachloroethane	49.4	50.0	99	49.9	50.0	100	66-135	1	30
1,1,2-Trichloroethane	49.0	50.0	98	49.5	50.0	99	75-122	<1	30
1,1-Dichloroethane (1,1-DCA)	52.1	50.0	104	49.6	50.0	99	79-117	5	30
1,1-Dichloroethene (1,1-DCE)	54.4	50.0	109	51.6	50.0	103	72-128	5	30
1,1-Dichloropropene	55.0	50.0	110	51.3	50.0	103	77-120	7	30
1,2,3-Trichloropropane	50.6	50.0	101	51.2	50.0	102	70-123	1	30
1,2,4-Trichlorobenzene	49.6	50.0	99	47.5	50.0	95	66-127	4	30
1,2-Dibromo-3-chloropropane (DBCP)	45.8	50.0	92	46.4	50.0	93	60-122	1	30
1,2-Dibromoethane (EDB)	51.0	50.0	102	50.5	50.0	101	76-118	<1	30
1,2-Dichlorobenzene	51.6	50.0	103	51.8	50.0	104	81-115	<1	30
1,2-Dichloroethane	51.4	50.0	103	49.8	50.0	100	70-117	3	30
1,2-Dichloropropane	52.6	50.0	105	50.1	50.0	100	79-117	5	30
1,3-Dichlorobenzene	51.1	50.0	102	50.3	50.0	101	82-116	1	30
1,3-Dichloropropane	49.6	50.0	99	49.8	50.0	100	77-120	<1	30
1,4-Dichlorobenzene	49.0	50.0	98	49.2	50.0	98	82-115	<1	30
2,2-Dichloropropane	57.4	50.0	115	53.5	50.0	107	58-137	7	30
2-Butanone (MEK)	51.5	50.0	103	51.4	50.0	103	62-138	<1	30
2-Hexanone	46.5	50.0	93	46.9	50.0	94	74-127	<1	30
4-Methyl-2-pentanone (MIBK)	50.4	50.0	101	50.5	50.0	101	77-120	<1	30
Acetone	49.6	50.0	99	47.2	50.0	94	42-161	5	30
Acetonitrile	50.9	50.0	102	48.4	50.0	97	42-149	5	30
Acrolein	206	125	165 *	207	125	165 *	10-135	<1	30
Acrylonitrile	53.3	50.0	106	53.5	50.0	107	63-132	<1	30
Allyl Chloride	52.7	50.0	105	52.0	50.0	104	68-125	1	30
Benzene	52.6	50.0	105	50.2	50.0	100	80-117	5	30
Bromochloromethane	53.0	50.0	106	51.7	50.0	103	78-118	3	30
Bromodichloromethane	56.0	50.0	112	53.7	50.0	107	75-118	4	30
Bromoform	48.9	50.0	98	49.9	50.0	100	63-121	2	30
Bromomethane	43.1	50.0	86	44.3	50.0	89	31-153	3	30
Carbon Disulfide	51.8	50.0	104	48.9	50.0	98	72-128	6	30
Carbon Tetrachloride	56.1	50.0	112	53.8	50.0	108	67-124	4	30
Chlorobenzene	51.5	50.0	103	50.3	50.0	101	83-118	2	30
Chloroethane	46.7	50.0	93	43.8	50.0	88	68-132	6	30
Chloroform	53.3	50.0	107	50.8	50.0	102	77-116	5	30
Chloromethane	44.6	50.0	89	46.0	50.0	92	60-128	3	30
Chloroprene	56.3	50.0	113	54.3	50.0	109	70-123	4	30
cis-1,2-Dichloroethene	53.2	50.0	106	50.8	50.0	102	78-117	5	30
cis-1,3-Dichloropropene	50.2	50.0	100	49.4	50.0	99	80-119	2	30
Dibromochloromethane	52.1	50.0	104	52.0	50.0	104	74-121	<1	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/16/14

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units: ug/L
Basis: NA
Analysis Lot: 402013

Analyte Name	Lab Control Sample JQ1405306-01			Duplicate Lab Control Sample JQ1405306-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Dibromomethane	51.4	50.0	103	49.8	50.0	100	76-117	3	30
Dichlorodifluoromethane	71.5	50.0	143 *	67.4	50.0	135 *	49-132	6	30
Ethyl Methacrylate	56.1	50.0	112	56.3	50.0	113	72-126	<1	30
Ethylbenzene	53.5	50.0	107	51.9	50.0	104	82-119	3	30
Hexachlorobutadiene	57.0	50.0	114	54.8	50.0	110	65-132	4	30
Iodomethane	48.0	50.0	96	45.9	50.0	92	51-137	4	30
Isobutyl Alcohol	54.4	50.0	109	54.6	50.0	109	32-145	<1	30
m,p-Xylenes	108	100	108	105	100	105	79-122	2	30
Methacrylonitrile	52.8	50.0	106	52.0	50.0	104	68-129	2	30
Methyl Methacrylate	49.9	50.0	100	50.2	50.0	100	73-128	<1	30
Methylene Chloride	46.1	50.0	92	44.9	50.0	90	75-123	3	30
Naphthalene	43.3	50.0	87	43.3	50.0	87	53-146	<1	30
o-Xylene	53.5	50.0	107	52.1	50.0	104	80-119	3	30
Propionitrile	51.7	50.0	103	49.5	50.0	99	59-134	4	30
Styrene	56.3	50.0	112	55.6	50.0	111	80-121	1	30
Tetrachloroethene (PCE)	55.9	50.0	112	54.3	50.0	109	75-126	3	30
Toluene	51.3	50.0	103	50.1	50.0	100	52-152	2	30
trans-1,2-Dichloroethene	52.9	50.0	106	50.4	50.0	101	75-121	5	30
trans-1,3-Dichloropropene	53.2	50.0	106	52.8	50.0	106	76-118	<1	30
trans-1,4-Dichloro-2-butene	44.3	50.0	89	44.2	50.0	88	10-198	<1	30
Trichloroethene (TCE)	57.0	50.0	114	54.6	50.0	109	78-122	4	30
Trichlorofluoromethane	58.9	50.0	118	57.4	50.0	115	58-134	3	30
Vinyl Acetate	56.1	50.0	112	55.7	50.0	111	36-169	<1	30
Vinyl Chloride	56.6	50.0	113	51.5	50.0	103	69-138	9	30

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol	2-Fluorobiphenyl	2-Fluorophenol
		2 - 128	8 - 135	6 - 76
MW-26A	J1405052-001	81	77	64
MW-26B	J1405052-002	59	67	56
MW-25A	J1405052-003	42	76	45
MW-25B	J1405052-004	80	85	61
Method Blank	JQ1405196-01	71	54	47
Lab Control Sample	JQ1405196-02	76	61	45

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5	Phenol-d6	p-Terphenyl-d14
		10 - 125	6 - 56	4 - 141
MW-26A	J1405052-001	80	50	79
MW-26B	J1405052-002	68	44	55
MW-25A	J1405052-003	77	44	70
MW-25B	J1405052-004	71	45	55
Method Blank	JQ1405196-01	57	37	85
Lab Control Sample	JQ1405196-02	55	36	79

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	p-Terphenyl-d14
		4 - 141
MW-26A	J1405052-001	79
MW-26B	J1405052-002	55
MW-25A	J1405052-003	70
MW-25B	J1405052-004	55
Method Blank	JQ1405196-01	85
Lab Control Sample	JQ1405196-02	79

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/14/14
Date Extracted: 07/14/14

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401802

Lab Control Sample
JQ1405196-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2,4,5-Tetrachlorobenzene	31.9	40.0	80	32-144
1,2,4-Trichlorobenzene	23.2	40.0	58	31-130
1,2-Dichlorobenzene	22.8	40.0	57	32-127
1,3,5-Trinitrobenzene	26.6	40.0	66	40-151
1,3-Dichlorobenzene	22.5	40.0	56	29-125
1,3-Dinitrobenzene	47.2	80.0	59	34-156
1,4-Dichlorobenzene	24.1	40.0	60	30-129
1,4-Naphthoquinone	56.6	80.0	71	42-172
1-Naphthylamine	26.6	40.0	66	21-156
2,3,4,6-Tetrachlorophenol	27.8	40.0	70	28-158
2,4,5-Trichlorophenol	27.5	40.0	69	32-150
2,4,6-Trichlorophenol	27.4	40.0	69	31-147
2,4-Dichlorophenol	24.8	40.0	62	32-137
2,4-Dimethylphenol	24.7	40.0	62	35-134
2,4-Dinitrophenol	123	160	77	17-150
2,4-Dinitrotoluene	27.3	40.0	68	34-160
2,6-Dichlorophenol	49.3	80.0	62	32-136
2,6-Dinitrotoluene	27.3	40.0	68	35-153
2-Acetylaminofluorene	24.4	40.0	61	42-161
2-Chloronaphthalene	25.6	40.0	64	35-138
2-Chlorophenol	22.7	40.0	57	30-124
2-Methylnaphthalene	24.3	40.0	61	29-143
2-Methylphenol	23.5	40.0	59	34-118
2-Naphthylamine	26.6	40.0	66	10-163
2-Nitroaniline	27.4	40.0	68	26-171
2-Nitrophenol	92.6	160	58	24-143
3- and 4-Methylphenol Coelution	23.9	40.0	60	30-117
3,3'-Dichlorobenzidine	104	160	65	43-151
3,3'-Dimethylbenzidine	93.7	160	59	9-178
3-Methylcholanthrene	28.2	40.0	70	36-151
3-Nitroaniline	28.8	40.0	72	39-145
4,6-Dinitro-2-methylphenol	117	160	73	16-167
4-Aminobiphenyl	26.7	40.0	67	36-149
4-Bromophenyl Phenyl Ether	28.8	40.0	72	43-145
4-Chloro-3-methylphenol	27.1	40.0	68	34-145
4-Chloroaniline	24.7	40.0	62	36-138
4-Chlorophenyl Phenyl Ether	26.7	40.0	67	39-148
4-Nitroaniline	27.9	40.0	70	40-148
4-Nitrophenol	67.0	160	42	14-98
5-Nitro-o-toluidine	26.6	40.0	67	39-152
7,12-Dimethylbenz(a)anthracene	30.4	40.0	76	37-139

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dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/14/14
Date Extracted: 07/14/14

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401802

Lab Control Sample
JQ1405196-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Acenaphthene	26.2	40.0	66	32-147
Acenaphthylene	26.5	40.0	66	33-142
Acetophenone	46.7	80.0	58	33-133
Anthracene	29.3	40.0	73	41-146
Benz(a)anthracene	29.5	40.0	74	37-157
Benzo(a)pyrene	29.6	40.0	74	38-150
Benzo(b)fluoranthene	28.3	40.0	71	43-149
Benzo(g,h,i)perylene	26.5	40.0	66	34-150
Benzo(k)fluoranthene	32.4	40.0	81	35-147
Benzyl Alcohol	23.6	40.0	59	31-125
Bis(2-chloroethoxy)methane	21.4	40.0	53	32-139
Bis(2-chloroethyl) Ether	21.7	40.0	54	26-137
Bis(2-chloroisopropyl) Ether	20.7	40.0	52	26-143
Bis(2-ethylhexyl) Phthalate	28.9	40.0	72	42-155
Butyl Benzyl Phthalate	59.0	80.0	74	37-156
Chlorobenzilate	61.9	80.0	77	35-158
Chrysene	29.1	40.0	73	40-148
Diallate	28.8	40.0	72	41-138
Dibenz(a,h)anthracene	26.9	40.0	67	36-155
Dibenzofuran	27.1	40.0	68	36-149
Diethyl Phthalate	28.1	40.0	70	40-151
Dimethoate	29.1	40.0	73	42-154
Dimethyl Phthalate	28.5	40.0	71	38-150
Di-n-butyl Phthalate	27.1	40.0	68	44-149
Di-n-octyl Phthalate	31.5	40.0	79	44-152
Dinoseb	20.9	40.0	52	52-152
Diphenylamine + n-Nitrosodiphenylamine	27.4	40.0	68	38-152
Disulfoton	26.5	40.0	66	39-145
Ethyl Methanesulfonate	22.2	40.0	55	32-135
Famphur	129	80.0	162	40-234
Fluoranthene	26.3	40.0	66	40-148
Fluorene	27.9	40.0	70	38-147
Hexachlorobenzene	30.3	40.0	76	43-148
Hexachlorobutadiene	23.7	40.0	59	34-135
Hexachlorocyclopentadiene	13.0	40.0	33	26-140
Hexachloroethane	22.3	40.0	56	30-133
Hexachloropropene	23.2	40.0	58	28-139
Indeno(1,2,3-cd)pyrene	26.9	40.0	67	35-151
Isodrin	58.0	80.0	72	42-148
Isophorone	24.3	40.0	61	34-142
Isosafrole	28.1	40.0	70	32-148

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/14/14
Date Extracted: 07/14/14

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401802

Lab Control Sample
JQ1405196-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Kepone	405	400	101	10-213
Methapyrilene	26.8	40.0	67	10-159
Methyl Methanesulfonate	20.8	40.0	52	27-133
Methyl Parathion	53.6	80.0	67	45-167
Naphthalene	23.1	40.0	58	33-130
Nitrobenzene	22.0	40.0	55	35-137
N-Nitrosodiethylamine	22.0	40.0	55	32-136
N-Nitrosodimethylamine	16.2	40.0	40	11-99
N-Nitrosodi-n-butylamine	25.1	40.0	63	37-142
N-Nitrosodi-n-propylamine	23.8	40.0	59	36-138
N-Nitrosomethylethylamine	21.5	40.0	54	34-130
N-Nitrosopiperidine	24.5	40.0	61	37-144
N-Nitrosopyrrolidine	24.6	40.0	61	32-140
O,O,O-Triethyl Phosphorothioate	99.1	160	62	32-141
o-Toluidine	23.2	40.0	58	35-133
Parathion	105	160	66	44-154
p-Dimethylaminoazobenzene	30.8	40.0	77	40-164
Pentachlorobenzene	27.5	40.0	69	37-147
Pentachloronitrobenzene (PCNB)	30.7	40.0	77	44-154
Pentachlorophenol (PCP)	28.6	40.0	71	21-177
Phenacetin	28.0	40.0	70	47-146
Phenanthrene	29.5	40.0	74	41-145
Phenol	14.9	40.0	37	2-95
Phorate	27.3	40.0	68	38-153
p-Phenylenediamine	4.55	160	3 *	62-125
Pronamide	116	160	73	43-153
Pyrene	31.6	40.0	79	38-149
Safrole	24.6	40.0	61	35-138
Thionazin	56.8	80.0	71	40-152

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052

SURROGATE RECOVERY SUMMARY

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Analysis Method: 8011
Extraction Method: Method

1,1,1,2-Tetrachloroethane		
Sample Name	Lab Code	70 - 130
MW-26A	J1405052-001	80
MW-26B	J1405052-002	80
MW-25A	J1405052-003	102
MW-25B	J1405052-004	105
Method Blank	JQ1405145-01	108
Lab Control Sample	JQ1405145-02	98
MW-26A	JQ1405145-03	77
MW-26A	JQ1405145-04	83

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052

SURROGATE RECOVERY SUMMARY
Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl	Tetrachloro-m-xylene
		10 - 160	22 - 126
MW-26A	J1405052-001	58	77
MW-26B	J1405052-002	22	77
MW-25A	J1405052-003	60	57
MW-25B	J1405052-004	24	81
Method Blank	JQ1405106-01	60	82
Lab Control Sample	JQ1405106-02	79	76

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl
		10 - 151
MW-26A	J1405052-001	65
MW-26B	J1405052-002	30
MW-25A	J1405052-003	83
MW-25B	J1405052-004	32
Method Blank	JQ1405106-01	72
Lab Control Sample	JQ1405106-03	96

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14
Date Received: 07/10/14
Date Analyzed: 07/11/14
Date Extracted: 07/11/14

Duplicate Matrix Spike Summary

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Sample Name: MW-26A
Lab Code: J1405052-001
Analysis Method: 8011
Prep Method: Method

Units: ug/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike JQ1405145-03			Duplicate Matrix Spike JQ1405145-04					
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.214	0.251	85	0.210	0.249	84	65-135	2	30
1,2-Dibromoethane (EDB)	0.00703 U	0.202	0.251	81	0.209	0.249	84	65-135	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/14/14
Date Extracted: 07/10/14

Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Analysis Method: 8081A
Prep Method: Method

Units: ug/L
Basis: NA
Analysis Lot: 401713

Lab Control Sample
JQ1405106-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
4,4'-DDD	0.378	0.400	94	12-121
4,4'-DDE	0.364	0.400	91	28-117
4,4'-DDT	0.317	0.400	79	32-126
Aldrin	0.314	0.400	78	30-100
alpha-BHC	0.295	0.400	74	30-111
alpha-Chlordane	0.327	0.400	82	32-118
beta-BHC	0.389	0.400	97	35-112
delta-BHC	0.329	0.400	82	34-120
Dieldrin	0.369	0.400	92	33-118
Endosulfan I	0.259	0.400	65	14-131
Endosulfan II	0.293	0.400	73	13-134
Endosulfan Sulfate	0.340	0.400	85	33-129
Endrin	0.389	0.400	97	24-141
Endrin Aldehyde	0.277	0.400	69	10-136
Endrin Ketone	0.364	0.400	91	34-118
gamma-BHC (Lindane)	0.308	0.400	77	26-114
gamma-Chlordane	0.323	0.400	81	33-117
Heptachlor	0.307	0.400	77	27-119
Heptachlor Epoxide	0.328	0.400	82	30-124
Methoxychlor	0.355	0.400	89	18-153

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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/10/14
Date Extracted: 07/10/14

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Units: ug/L
Basis: NA
Analysis Lot: 401527

Lab Control Sample
JQ1405106-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Aroclor 1016	4.07	4.00	102	27-120
Aroclor 1260	4.01	4.00	100	33-112

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14
Date Received: 07/10/14
Date Analyzed: 07/14/14 - 07/16/14

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-25B **Units:** ug/L
Lab Code: J1405052-004 **Basis:** NA

Matrix Spike J1405052-004MS						Duplicate Matrix Spike J1405052-004DMS					
Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Iron, Dissolved	6010B	1940	7880	5000	119	7680	5000	115	75-125	2	20
Mercury, Dissolved	7470A	0.02	1.2	1.25	98	1.2	1.25	96	75-125	2	20
Tin, Dissolved	6010B	2	2020	2000	101	2000	2000	100	75-125	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14
Date Received: 07/10/14
Date Analyzed: 7/16/14

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-25B **Units:** mg/L
Lab Code: J1405052-004 **Basis:** NA

Matrix Spike J1405052-004MS						Duplicate Matrix Spike J1405052-004DMS					
Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Sodium, Dissolved	6010B	10.9	36.5	25.0	103	36.3	25.0	102	75-125	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/14/14 - 07/16/14

Lab Control Sample Summary
Inorganic Parameters

Units: ug/L
Basis: NA

Lab Control Sample
J1405052-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Dissolved	6020	51.7	50.0	103	80-120
Antimony, Total Recoverable	6020	50.4	50.0	101	80-120
Arsenic, Dissolved	6020	49.7	50.0	99	80-120
Arsenic, Total Recoverable	6020	48.8	50.0	98	80-120
Barium, Dissolved	6020	102	100	102	80-120
Barium, Total Recoverable	6020	99.3	100	99	80-120
Beryllium, Dissolved	6020	24.1	25.0	97	80-120
Beryllium, Total Recoverable	6020	25.2	25.0	101	80-120
Cadmium, Dissolved	6020	19.8	20.0	99	80-120
Cadmium, Total Recoverable	6020	19.7	20.0	98	80-120
Chromium, Dissolved	6020	50.9	50.0	102	80-120
Chromium, Total Recoverable	6020	49.7	50.0	99	80-120
Cobalt, Dissolved	6020	51.1	50.0	102	80-120
Cobalt, Total Recoverable	6020	49.5	50.0	99	80-120
Copper, Dissolved	6020	51.5	50.0	103	80-120
Copper, Total Recoverable	6020	50.6	50.0	101	80-120
Iron, Dissolved	6010B	5040	5000	101	80-120
Iron, Total Recoverable	6010B	5180	5000	104	80-120
Lead, Dissolved	6020	25.6	25.0	103	80-120
Lead, Total Recoverable	6020	25.2	25.0	101	80-120
Mercury, Dissolved	7470A	1.23	1.25	98	80-120
Mercury, Total	7470A	1.24	1.25	100	80-120
Nickel, Dissolved	6020	103	100	102	80-120
Nickel, Total Recoverable	6020	99.7	100	100	80-120
Selenium, Dissolved	6020	97.0	100	97	80-120
Selenium, Total Recoverable	6020	98.5	100	98	80-120
Silver, Dissolved	6020	25.7	25.0	103	80-120
Silver, Total Recoverable	6020	25.4	25.0	102	80-120
Thallium, Dissolved	6020	10.1	10.0	101	80-120
Thallium, Total Recoverable	6020	9.89	10.0	99	80-120
Tin, Dissolved	6010B	2000	2000	100	80-120
Tin, Total Recoverable	6010B	2070	2000	104	80-120
Vanadium, Dissolved	6020	98.6	100	99	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/14/14 - 07/16/14

Lab Control Sample Summary
Inorganic Parameters

Units: ug/L**Basis:** NA**Lab Control Sample**

J1405052-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Vanadium, Total Recoverable	6020	98.3	100	98	80-120
Zinc, Dissolved	6020	247	250	99	80-120
Zinc, Total Recoverable	6020	252	250	101	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request:J1405052**Date Analyzed:**7/16/14

Lab Control Sample Summary
Inorganic Parameters

Units:mg/L**Basis:**NA**Lab Control Sample**

J1405052-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Dissolved	6010B	25.1	25.0	101	80-120
Sodium, Total Recoverable	6010B	25.3	25.0	101	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052**Date Collected:** 07/09/14**Date Received:** 07/10/14**Date Analyzed:** 07/11/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-25A
Lab Code: J1405052-003

Units: mg/L**Basis:** NA

Analyte Name	Analysis Method	PQL	MDL	Sample Result	Duplicate Sample J1405052- 003DUP	Average	RPD	RPD Limit
					Result			
Chloride	300.0	1.0	0.2	54.6	54.5	54.5	<1	20
Nitrate as Nitrogen	300.0	0.20	0.03	0.03	0.03	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052**Date Collected:** 07/09/14**Date Received:** 07/10/14**Date Analyzed:** 07/14/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW-26A**Units:** mg/L**Lab Code:** J1405052-001**Basis:** NA

Analyte Name	Analysis Method	PQL	MDL	Sample Result	Duplicate Sample J1405052-001DUP	Average	RPD	RPD Limit
					Result			
Ammonia as Nitrogen	350.1	0.010	0.007	0.398	0.398	0.398	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14
Date Received: 07/10/14
Date Analyzed: 7/11/14

Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW-25A
Lab Code: J1405052-003

Units: mg/L
Basis: NA

Matrix Spike
J1405052-003MS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	54.6	77.1	25.0	90	90-110
Nitrate as Nitrogen	300.0	0.03	5.39	5.00	108	90-110

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Collected: 07/09/14
Date Received: 07/10/14
Date Analyzed: 07/14/14

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: MW-26A
Lab Code: J1405052-001
Analysis Method: 350.1

Units: mg/L
Basis: NA

Matrix Spike
J1405052-001MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	0.398	1.33	1.00	93	90-110

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 07/11/14 - 07/15/14

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L**Basis:** NA**Lab Control Sample**

J1405052-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.902	1.00	90	90-110
Chloride	300.0	25.1	25.0	100	90-110
Nitrate as Nitrogen	300.0	5.37	5.00	107	90-110
Solids, Total Dissolved	SM 2540 C	305	300	102	85-115
Sulfide, Total	SM 4500-S2- F	20.6	20.0	103	85-115

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Waste Services of Florida, Inc.
Project: JED SWDF (New Wells)
Sample Matrix: Water

Service Request: J1405052
Date Analyzed: 7/16/14

Lab Control Sample Summary
General Chemistry Parameters

Units: ug/L
Basis: NA

Lab Control Sample
J1405052-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	335.4	102	100	102	90-110



Cooler Receipt Form

Client: PWSFL Service Request #: 52
Project: JED BLUDE (NEWARK)
Cooler received on 7/10/14 and opened on 7/10/14 by JA
COURIER: ALS UPS FEDEX Client Other _____ Airbill # 770556943032

- 1 Were custody seals on outside of cooler? ☒ Yes ☐ No
If yes, how many and where? #: 5 on lid other _____
- 2 Were seals intact and signature and date correct? ☒ Yes ☐ No N/A
- 3 Were custody papers properly filled out? ☒ Yes ☐ No N/A
- 4 Temperature of cooler(s) upon receipt (Should be $> 0^{\circ}\text{C}$ and $< 6^{\circ}\text{C}$) 4.1 3.4 1.3 2.1 3.1
- 5 Thermometer ID T81
- 6 Temperature Blank Present? ☒ Yes ☐ No
- 7 Were Ice or Ice Packs present ☒ Ice ☐ Ice Packs ☐ No
- 8 Did all bottles arrive in good condition (unbroken, etc....)? ☒ Yes ☐ No N/A
- 9 Type of packing material present
☐ Netting ☐ Vial Holder ☒ Bubble Wrap
☐ Paper ☐ Styrofoam ☐ Other ☐ N/A
- 10 Were all bottle labels complete (sample ID, preservation, etc....)? ☒ Yes ☐ No N/A
- 11 Did all bottle labels and tags agree with custody papers? ☒ Yes ☐ No N/A
- 12 Were the correct bottles used for the tests indicated? ☒ Yes ☐ No N/A
- 13 Were all of the preserved bottles received with the appropriate preservative?
HNO₃ pH<2 ☒ H₂SO₄ pH<2 ☐ ZnAc₂/NaOH pH>9 ☐ NaOH pH>12 ☐ HCl pH<2
Preservative additions noted below
- 14 Were all samples received within analysis holding times? ☒ Yes ☐ No N/A
- 15 Were all VOA vials free of air bubbles? If present, note below ☒ Yes ☐ No N/A
- 16 Where did the bottles originate? ☒ ALS ☐ Client

Sample ID	Reagent	Lot # <u>JA 7/10/14</u>	ml added	Initials Date/Time
<u>MW-24A</u>	<u>HNO₃</u>	<u>MCT 26-A-1305L</u>	<u>1.0</u>	<u>JA 7/10/14 1050</u>
<u>↓</u>	<u>NaOH</u>	<u>C10844-7C</u>	<u>0.5</u>	<u>↓</u>
<u>MW-24B</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>MW-25A</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>MW-25B</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted:

Date:



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

9143 Phillips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 1 OF 1

SR#

J1405052

5

Waste Services of Florida, Inc.
JED SWDF (New Wells)



ANALYSIS REQUESTED (Include Method Number and I)

PRESERVATIVE 1 0 0 3 4 0 0 0

NUMBER OF CONTAINERS

Preservative Key
0. NONE
1. HCL
2. HNO₃
3. H₂SO₄
4. NaOH
5. Zn. Acetate
6. MeOH
7. NaHSO₄
8. Other

REMARKS/
ALTERNATE DESCRIPTION

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX
MW-26A		7-9-14	0955	GW
MW-26B			1055	GW
MW-26A			1200	GW
MW-25B			1230	GW
Top Blank-3			0000	DIH ₂ O
Top Blank-4			0000	DIH ₂ O
Top Blank-5			0000	DIH ₂ O
Top Blank-6			0000	DIH ₂ O
Top Blank-7		7-9-14	0000	DIH ₂ O

SPECIAL INSTRUCTIONS/COMMENTS

Carla DO: 14190-565-2

TURNAROUND REQUIREMENTS
RUSH (SURCHARGES APPLY)
☒ STANDARD

REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS
I. Results Only
☒ II. Results + QC Summaries
(LOS, DUP, MS/MSD as required)
III. Results + QC and Calibration
Summaries
IV. Data Validation Report with Raw Data
V. Specialized Forms / Custom Report

INVOICE INFORMATION

PO #

BILL TO:

See QAPP ☐

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 41, 34, 13, 21 CUSTODY SEALS: 0, N

RELINQUISHED BY

RECEIVED BY

RELINQUISHED BY

RECEIVED BY

Signature

Printed Name

Firm

Date/Time

Signature

Printed Name

Firm

Date/Time

Signature

Printed Name

Firm

Date/Time

Distribution: White - Return to Originator: Yellow - Retained by Client

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ALS Environmental Services
9143 Philips Highway, Suite 200
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix A

Subcontracted Analytical Results



ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945

Tuesday, July 22, 2014

ALS Environmental (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for

Project Number: J1405052, Project Name/Desc: J1405052

ENCO Workorder(s): A404034

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Saturday, July 12, 2014.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

David Camacho For Ronald Wambles

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-26A		Lab ID: A404034-01		Sampled: 07/09/14 09:55		Received: 07/12/14 08:00	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8141B	07/16/14	08/24/14	07/15/14	09:30	07/18/14 22:30		
EPA 8151A	07/16/14	08/24/14	07/15/14	16:06	07/17/14 23:39		
Client ID: MW-26B		Lab ID: A404034-02		Sampled: 07/09/14 10:55		Received: 07/12/14 08:00	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8141B	07/16/14	08/24/14	07/15/14	09:30	07/18/14 23:33		
EPA 8151A	07/16/14	08/24/14	07/15/14	16:06	07/18/14 00:07		
Client ID: MW-25A		Lab ID: A404034-03		Sampled: 07/09/14 12:00		Received: 07/12/14 08:00	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8141B	07/16/14	08/24/14	07/15/14	09:30	07/19/14 00:36		
EPA 8151A	07/16/14	08/24/14	07/15/14	16:06	07/18/14 00:34		
Client ID: MW-25B		Lab ID: A404034-04		Sampled: 07/09/14 12:30		Received: 07/12/14 08:00	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8141B	07/16/14	08/24/14	07/15/14	09:30	07/19/14 01:39		
EPA 8151A	07/16/14	08/24/14	07/15/14	16:06	07/18/14 01:01		

SAMPLE DETECTION SUMMARY

No positive results detected.

ANALYTICAL RESULTS

Description: MW-26A

Lab Sample ID: A404034-01

Received: 07/12/14 08:00

Matrix: Water

Sampled: 07/09/14 09:55

Work Order: A404034

Project: J1405052

Sampled By:

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.26	U	ug/L	1	0.26	0.50	4G15020	EPA 8151A	07/17/14 23:39	RC	QL-02
2,4,5-TP (Silvex) [93-72-1]^	0.21	U	ug/L	1	0.21	0.50	4G15020	EPA 8151A	07/17/14 23:39	RC	QL-02
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	4G15020	EPA 8151A	07/17/14 23:39	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	4G15020	EPA 8151A	07/17/14 23:39	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	4G15020	EPA 8151A	07/17/14 23:39	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.7	1	2.00	83 %	68-139	4G15020	EPA 8151A	07/17/14 23:39	RC	

Organophosphorus Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Azinphos-methyl [86-50-0]^	0.44	U	ug/L	1	0.44	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	J-05
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Methyl Parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	4G15004	EPA 8141B	07/18/14 22:30	RC	J-05
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	4G15004	EPA 8141B	07/18/14 22:30	RC	J-05
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	4G15004	EPA 8141B	07/18/14 22:30	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	3.8	1	5.05	74 %	22-165	4G15004	EPA 8141B	07/18/14 22:30	RC	

ANALYTICAL RESULTS

Description: MW-26B

Lab Sample ID: A404034-02

Received: 07/12/14 08:00

Matrix: Water

Sampled: 07/09/14 10:55

Work Order: A404034

Project: J1405052

Sampled By:

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.26	U	ug/L	1	0.26	0.50	4G15020	EPA 8151A	07/18/14 00:07	RC	QL-02
2,4,5-TP (Silvex) [93-72-1]^	0.21	U	ug/L	1	0.21	0.50	4G15020	EPA 8151A	07/18/14 00:07	RC	QL-02
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	4G15020	EPA 8151A	07/18/14 00:07	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	4G15020	EPA 8151A	07/18/14 00:07	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	4G15020	EPA 8151A	07/18/14 00:07	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.7	1	2.02	85 %	68-139	4G15020	EPA 8151A	07/18/14 00:07	RC	

Organophosphorus Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Azinphos-methyl [86-50-0]^	0.44	U	ug/L	1	0.44	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	J-05
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Methyl Parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	4G15004	EPA 8141B	07/18/14 23:33	RC	J-05
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	4G15004	EPA 8141B	07/18/14 23:33	RC	J-05
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	4G15004	EPA 8141B	07/18/14 23:33	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	3.5	1	5.00	69 %	22-165	4G15004	EPA 8141B	07/18/14 23:33	RC	

ANALYTICAL RESULTS

Description: MW-25A

Lab Sample ID: A404034-03

Received: 07/12/14 08:00

Matrix: Water

Sampled: 07/09/14 12:00

Work Order: A404034

Project: J1405052

Sampled By:

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.26	U	ug/L	1	0.26	0.50	4G15020	EPA 8151A	07/18/14 00:34	RC	QL-02
2,4,5-TP (Silvex) [93-72-1]^	0.21	U	ug/L	1	0.21	0.50	4G15020	EPA 8151A	07/18/14 00:34	RC	QL-02
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	4G15020	EPA 8151A	07/18/14 00:34	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	4G15020	EPA 8151A	07/18/14 00:34	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	4G15020	EPA 8151A	07/18/14 00:34	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.9	1	1.98	94 %	68-139	4G15020	EPA 8151A	07/18/14 00:34	RC	

Organophosphorus Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Azinphos-methyl [86-50-0]^	0.44	U	ug/L	1	0.44	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	J-05
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Methyl Parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	4G15004	EPA 8141B	07/19/14 00:36	RC	J-05
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	4G15004	EPA 8141B	07/19/14 00:36	RC	J-05
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	4G15004	EPA 8141B	07/19/14 00:36	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	4.4	1	5.15	85 %	22-165	4G15004	EPA 8141B	07/19/14 00:36	RC	

ANALYTICAL RESULTS

Description: MW-25B

Lab Sample ID: A404034-04

Received: 07/12/14 08:00

Matrix: Water

Sampled: 07/09/14 12:30

Work Order: A404034

Project: J1405052

Sampled By:

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
2,4,5-T [93-76-5]^	0.26	U	ug/L	1	0.26	0.50	4G15020	EPA 8151A	07/18/14 01:01	RC	QL-02
2,4,5-TP (Silvex) [93-72-1]^	0.21	U	ug/L	1	0.21	0.50	4G15020	EPA 8151A	07/18/14 01:01	RC	QL-02
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	4G15020	EPA 8151A	07/18/14 01:01	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	4G15020	EPA 8151A	07/18/14 01:01	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	4G15020	EPA 8151A	07/18/14 01:01	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.6	1	2.00	78 %	68-139	4G15020	EPA 8151A	07/18/14 01:01	RC	

Organophosphorus Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Azinphos-methyl [86-50-0]^	0.44	U	ug/L	1	0.44	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	J-05
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Methyl Parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	4G15004	EPA 8141B	07/19/14 01:39	RC	J-05
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	4G15004	EPA 8141B	07/19/14 01:39	RC	J-05
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	4G15004	EPA 8141B	07/19/14 01:39	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	3.6	1	5.10	71 %	22-165	4G15004	EPA 8141B	07/19/14 01:39	RC	

QUALITY CONTROL DATA

Chlorinated Herbicides by GC - Quality Control

Batch 4G15020 - EPA 3510C

Blank (4G15020-BLK1)

Prepared: 07/15/2014 16:06 Analyzed: 07/17/2014 20:58

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.26	U	0.50	ug/L							QL-02
2,4,5-TP (Silvex)	0.21	U	0.50	ug/L							QL-02
2,4-D	0.27	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.19	U	0.50	ug/L							
2,4-DCAA	2.2			ug/L	2.00		109	68-139			

LCS (4G15020-BS1)

Prepared: 07/15/2014 16:06 Analyzed: 07/17/2014 21:24

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.7		0.50	ug/L	2.00		133	70-114			QL-02
2,4-D	2.5		0.50	ug/L	2.00		126	37-129			
2,4-DCAA	2.5			ug/L	2.00		127	68-139			

Matrix Spike (4G15020-MS1)

Prepared: 07/15/2014 16:06 Analyzed: 07/17/2014 21:51

Source: A403992-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.4		0.50	ug/L	2.00	0.21 U	122	70-114			J-02
2,4-D	2.3		0.50	ug/L	2.00	0.27 U	117	37-129			
2,4-DCAA	2.3			ug/L	2.00		117	68-139			

Matrix Spike Dup (4G15020-MSD1)

Prepared: 07/15/2014 16:06 Analyzed: 07/17/2014 22:18

Source: A403992-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.4		0.50	ug/L	2.00	0.21 U	122	70-114	0.6	15	J-02
2,4-D	2.0		0.50	ug/L	2.00	0.27 U	100	37-129	16	33	
2,4-DCAA	2.3			ug/L	2.00		117	68-139			

Organophosphorus Compounds by GC - Quality Control

Batch 4G15004 - EPA 3510C

Blank (4G15004-BLK1)

Prepared: 07/15/2014 09:30 Analyzed: 07/18/2014 17:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Azinphos-methyl	0.44	U	0.50	ug/L							
Bolstar	0.39	U	0.50	ug/L							
Chlorpyrifos	0.29	U	0.50	ug/L							
Coumaphos	0.42	U	0.50	ug/L							
Demeton	0.28	U	0.50	ug/L							
Diazinon	0.27	U	0.50	ug/L							
Dichlorofenthion	0.28	U	0.50	ug/L							
Dichlorvos	0.39	U	0.50	ug/L							J-05
Dimethoate	0.35	U	0.50	ug/L							
Disulfoton	0.29	U	0.50	ug/L							
EPN	0.40	U	0.50	ug/L							
Ethion	0.38	U	0.50	ug/L							

QUALITY CONTROL DATA

Organophosphorus Compounds by GC - Quality Control

Batch 4G15004 - EPA 3510C - Continued

Blank (4G15004-BLK1) Continued

Prepared: 07/15/2014 09:30 Analyzed: 07/18/2014 17:15

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethoprop	0.26	U	0.50	ug/L							
Ethyl Parathion	0.33	U	0.50	ug/L							
Fensulfothion	0.41	U	0.50	ug/L							
Fenthion	0.28	U	0.50	ug/L							
Malathion	0.31	U	0.50	ug/L							
Merphos	0.48	U	0.50	ug/L							
Methyl Parathion	0.31	U	0.50	ug/L							
Mevinphos	0.47	U	0.50	ug/L							
Monocrotophos	0.22	U	0.50	ug/L							
Naled	0.50	U	1.0	ug/L							J-05
Phorate	0.30	U	0.50	ug/L							
Ronnel	0.29	U	0.50	ug/L							
Stirophos (Tetrachlorvinphos)	0.41	U	0.50	ug/L							
Sulfotep	0.30	U	0.50	ug/L							
TEPP	0.63	U	1.0	ug/L							J-05
Tokuthion (Prothiofos)	0.33	U	0.50	ug/L							
Triphenyl phosphate	3.6			ug/L	5.00		72	22-165			

LCS (4G15004-BS1)

Prepared: 07/15/2014 09:30 Analyzed: 07/18/2014 18:18

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	2.5		0.50	ug/L	4.00		63	10-171			
EPN	2.9		0.50	ug/L	4.00		73	10-168			
Malathion	2.7		0.50	ug/L	4.00		68	17-167			
Monocrotophos	1.4		0.50	ug/L	4.00		35	10-197			
Naled	2.0		1.0	ug/L	4.00		49	10-200			QV-02
Sulfotep	2.4		0.50	ug/L	4.00		61	50-200			
TEPP	2.1		1.0	ug/L	4.00		53	50-106			QV-02
Triphenyl phosphate	3.7			ug/L	5.00		74	22-165			

Matrix Spike (4G15004-MS1)

Prepared: 07/15/2014 09:30 Analyzed: 07/18/2014 19:21

Source: A403992-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	2.8		0.50	ug/L	4.00	0.35 U	69	10-171			
EPN	3.2		0.50	ug/L	4.00	0.40 U	79	10-168			
Malathion	3.0		0.50	ug/L	4.00	0.31 U	74	17-167			
Monocrotophos	0.22	U	0.50	ug/L	4.00	0.22 U		10-197			QM-07
Naled	2.5		1.0	ug/L	4.00	0.50 U	63	10-200			QV-02
Sulfotep	2.7		0.50	ug/L	4.00	0.30 U	67	50-200			
TEPP	2.7		1.0	ug/L	4.00	0.63 U	67	10-106			QV-02
Triphenyl phosphate	3.9			ug/L	5.00		78	22-165			

Matrix Spike Dup (4G15004-MSD1)

Prepared: 07/15/2014 09:30 Analyzed: 07/18/2014 20:24

Source: A403992-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	2.8		0.50	ug/L	4.00	0.35 U	71	10-171	2	20	
EPN	3.2		0.50	ug/L	4.00	0.40 U	80	10-168	0.3	50	

QUALITY CONTROL DATA

Organophosphorus Compounds by GC - Quality Control

Batch 4G15004 - EPA 3510C - Continued

Matrix Spike Dup (4G15004-MSD1) Continued

Prepared: 07/15/2014 09:30 Analyzed: 07/18/2014 20:24

Source: A403992-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Malathion	3.0		0.50	ug/L	4.00	0.31 U	76	17-167	2	39	
Monocrotophos	0.22	U	0.50	ug/L	4.00	0.22 U		10-197		29	QM-07
Naled	2.1		1.0	ug/L	4.00	0.50 U	52	10-200	19	50	QV-02
Sulfotep	2.7		0.50	ug/L	4.00	0.30 U	68	50-200	3	25	
TEPP	2.7		1.0	ug/L	4.00	0.63 U	68	10-106	2	28	QV-02
Triphenyl phosphate	4.2			ug/L	5.00		83	22-165			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
J-02	Result is estimated due to bias in the associated laboratory control sample (LCS).
J-05	Result estimated, calibration verification standard failed with low bias.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QV-02	The associated continuing calibration verification standard exhibited low bias; the reported result should be considered to be a minimum estimate.

ALS Environmental Chain of Custody

9143 Philips Highway, Suite 200 • Jacksonville, FL 32256 • 904-739-2277 • FAX 904-739-2011

ALS Contact: Craig Myers *CM*

A404034

Project Number: J1405052
Project Manager: Craig Myers

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID	HERB 8151A	Pest OP 8141B
				Date	Time			
J1405052-001	MW-26A	2	Water	7/9/14	0955	ENCO	X	X
J1405052-002	MW-26B	2	Water	7/9/14	1055	ENCO	X	X
J1405052-003	MW-25A	2	Water	7/9/14	1200	ENCO	X	X
J1405052-004	MW-25B	2	Water	7/9/14	1230	ENCO	X	X

Test Comments

Pest OP - 8141B

J1405052-001,2,3,4

Report Appendix II List

HERB - 8151A

J1405052-001,2,3,4

Report Appendix II List

Special Instructions/Comments H - Test is On Hold P - Test is Authorized for Prep Only	Turnaround Requirements ___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ___ STANDARD	Report Requirements ___ I. Results Only ___ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J <u>Y</u> EDD <u>Y</u>	Invoice Information PO# J1405052 Bill to
	Requested FAX Date: _____ Requested Report Date: <u>07/24/14</u>		

Relinquished By: *[Signature]*

Received By: *Paul LeBlanc* 10.4°C

Airbill Number: _____

Page 118 of 127

K. Dyl...
7/24/14 0800 LG 156 5°C



ALS Environmental Services
9143 Philips Highway, Suite 200
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix B

Subcontracted Analytical Results



Craig Myers
ALS Environmental
9143 Philips Hwy, Suite 200
Jacksonville, FL 32256

July 23, 2014

SunLabs Project Number: **4071103**
Client Project Description: **J1405052**

Dear Mr. Myers,

Enclosed is the report of laboratory analysis for the following samples:

Sample Number	Sample Description	Date Collected	Date Received
4071103-01	J1405052-005	07/09/14 09:55	07/11/14 08:45
4071103-02	J1405052-006	07/09/14 10:55	07/11/14 08:45
4071103-03	J1405052-007	07/09/14 12:00	07/11/14 08:45
4071103-04	J1405052-008	07/09/14 12:30	07/11/14 08:45

Narrative

Unless otherwise noted below or in the report and where applicable:

- Samples were received at the proper temperature and analyzed as received.
- Sample condition upon receipt is reported on the chain-of-custody attached to this report.
- Results for all solid matrices are reported on a dry weight basis.
- Appropriate calibration and QC criteria were satisfactorily met.
- All applicable holding times for analytes have been met.
- Copies of the chains-of-custody, if received, are attached to this report.

Samples 4071103-01 (J1405052-005) and 4071103-04 (J1405052-008) had a surrogate outside of acceptable limits due to matrix interference.

QC Batch B005991 had an exception for Kepone on the LCS and LCSD. Any positive result for this analyte may be biased low.

If you have any questions or comments concerning this report, please do not hesitate to contact us.

Michael W. Palmer
Vice President, Laboratory Operations

Unless Otherwise Noted and Where Applicable:

The result herein relate only to the items tested or to the samples as received by the laboratory. This report shall not be reproduced except in full, without the written approval of SunLabs. All samples will be disposed of within 60 days of the date of receipt of the samples. All results meet the requirements of the NELAC standards. Uncertainty values are available upon request.



Report of Laboratory Analysis

SunLabs Project Number
4071103

ALS Environmental
Project Description
J1405052

July 23, 2014

SunLabs Sample Number: **4071103-01**
Sample Designation: **J1405052-005**

Matrix: **Water**
Date Collected: **07/09/14 09:55**
Date Received: **07/11/14 08:45**

Parameters	Method	Units	Results	Dil Factor	MDL	PQL	CAS Number	Date/Time Analyzed	Date/Time Prep
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Organochlorine Pesticides by EPA 505

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (70-130)	EPA 505	%	68.3 J	1			877-09-8	07/18/14 21:17	07/17/14 16:03
Hexachlorobenzene	EPA 505	ug/L	0.0068 U	1	0.0068	0.027	118-74-1	07/18/14 21:17	07/17/14 16:03

Organochlorine Pesticides by EPA Method 8081

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (0-154)	EPA 8081	%	47.7	1			877-09-8	07/23/14 12:56	07/15/14 15:22
Chlorobenzilate	EPA 8081	ug/L	0.0011 U	1	0.0011	0.0046	510-15-6	07/23/14 12:56	07/15/14 15:22
Diallate	EPA 8081	ug/L	0.037 U	1	0.037	0.15	2303-16-4	07/23/14 12:56	07/15/14 15:22

Semi-volatile Organic Compounds by Method 8270

Method Qualifier:

Surrogate: Nitrobenzene-d5 (0-118)	EPA 8270	%	64.2	1			4165-60-0	07/18/14 22:34	07/15/14 15:22
Surrogate: 2-Fluorobiphenyl (0-115)	EPA 8270	%	49.8	1			321-60-8	07/18/14 22:34	07/15/14 15:22
Surrogate: p-Terphenyl-d14 (1-148)	EPA 8270	%	57.8	1			1718-51-0	07/18/14 22:34	07/15/14 15:22
2,4-Dinitrotoluene	EPA 8270	ug/L	4.7 U	1	4.7	5.7	121-14-2	07/18/14 22:34	07/15/14 15:22
Famphur	EPA 8270	ug/L	0.79 U	1	0.79	11	52-85-7	07/19/14 01:36	07/15/14 15:22
Kepone	EPA 8270	ug/L	4.8 U	1	4.8	57	143-50-0	07/22/14 02:39	07/15/14 15:22
Pentachloronitrobenzene **	EPA 8270	ug/L	1.7 U	1	1.7	5.7	82-68-8	07/22/14 02:39	07/15/14 15:22



Report of Laboratory Analysis

SunLabs Project Number
4071103

ALS Environmental
Project Description
J1405052

July 23, 2014

SunLabs Sample Number: **4071103-02**
Sample Designation: **J1405052-006**

Matrix: **Water**
Date Collected: **07/09/14 10:55**
Date Received: **07/11/14 08:45**

Parameters	Method	Units	Results	Dil Factor	MDL	PQL	CAS Number	Date/Time Analyzed	Date/Time Prep
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Organochlorine Pesticides by EPA 505

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (70-130)	EPA 505	%	70.7	1			877-09-8	07/18/14 21:27	07/17/14 16:03
Hexachlorobenzene	EPA 505	ug/L	0.0068 U	1	0.0068	0.027	118-74-1	07/18/14 21:27	07/17/14 16:03

Organochlorine Pesticides by EPA Method 8081

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (0-154)	EPA 8081	%	35.9	1			877-09-8	07/23/14 13:06	07/15/14 15:22
Chlorobenzilate	EPA 8081	ug/L	0.0011 U	1	0.0011	0.0046	510-15-6	07/23/14 13:06	07/15/14 15:22
Diallate	EPA 8081	ug/L	0.037 U	1	0.037	0.15	2303-16-4	07/23/14 13:06	07/15/14 15:22

Semi-volatile Organic Compounds by Method 8270

Method Qualifier:

Surrogate: Nitrobenzene-d5 (0-118)	EPA 8270	%	65.9	1			4165-60-0	07/18/14 22:56	07/15/14 15:22
Surrogate: 2-Fluorobiphenyl (0-115)	EPA 8270	%	47.6	1			321-60-8	07/18/14 22:56	07/15/14 15:22
Surrogate: p-Terphenyl-d14 (1-148)	EPA 8270	%	26.3	1			1718-51-0	07/18/14 22:56	07/15/14 15:22
2,4-Dinitrotoluene	EPA 8270	ug/L	4.5 U	1	4.5	5.5	121-14-2	07/18/14 22:56	07/15/14 15:22
Famphur	EPA 8270	ug/L	0.76 U	1	0.76	11	52-85-7	07/19/14 01:54	07/15/14 15:22
Kepone	EPA 8270	ug/L	4.6 U	1	4.6	55	143-50-0	07/22/14 03:01	07/15/14 15:22
Pentachloronitrobenzene **	EPA 8270	ug/L	1.6 U	1	1.6	5.5	82-68-8	07/22/14 03:01	07/15/14 15:22



Report of Laboratory Analysis

SunLabs Project Number
4071103

ALS Environmental
Project Description
J1405052

July 23, 2014

SunLabs Sample Number: **4071103-03**
Sample Designation: **J1405052-007**

Matrix: **Water**
Date Collected: **07/09/14 12:00**
Date Received: **07/11/14 08:45**

Parameters	Method	Units	Results	Dil Factor	MDL	PQL	CAS Number	Date/Time Analyzed	Date/Time Prep
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Organochlorine Pesticides by EPA 505

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (70-130)	EPA 505	%	83.6	1			877-09-8	07/18/14 21:37	07/17/14 16:03
Hexachlorobenzene	EPA 505	ug/L	0.0068 U	1	0.0068	0.027	118-74-1	07/18/14 21:37	07/17/14 16:03

Organochlorine Pesticides by EPA Method 8081

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (0-154)	EPA 8081	%	57.7	1			877-09-8	07/23/14 13:15	07/15/14 15:22
Chlorobenzilate	EPA 8081	ug/L	0.0011 U	1	0.0011	0.0045	510-15-6	07/23/14 13:15	07/15/14 15:22
Diallate	EPA 8081	ug/L	0.036 U	1	0.036	0.15	2303-16-4	07/23/14 13:15	07/15/14 15:22

Semi-volatile Organic Compounds by Method 8270

Method Qualifier:

Surrogate: Nitrobenzene-d5 (0-118)	EPA 8270	%	58.4	1			4165-60-0	07/18/14 23:18	07/15/14 15:22
Surrogate: 2-Fluorobiphenyl (0-115)	EPA 8270	%	47.5	1			321-60-8	07/18/14 23:18	07/15/14 15:22
Surrogate: p-Terphenyl-d14 (1-148)	EPA 8270	%	43.0	1			1718-51-0	07/18/14 23:18	07/15/14 15:22
2,4-Dinitrotoluene	EPA 8270	ug/L	4.8 U	1	4.8	5.8	121-14-2	07/18/14 23:18	07/15/14 15:22
Famphur	EPA 8270	ug/L	0.80 U	1	0.80	12	52-85-7	07/19/14 02:13	07/15/14 15:22
Kepone	EPA 8270	ug/L	4.9 U	1	4.9	58	143-50-0	07/22/14 03:23	07/15/14 15:22
Pentachloronitrobenzene **	EPA 8270	ug/L	1.7 U	1	1.7	5.8	82-68-8	07/22/14 03:23	07/15/14 15:22



Report of Laboratory Analysis

SunLabs
Project Number

4071103

ALS Environmental

Project Description

J1405052

July 23, 2014

SunLabs Sample Number: **4071103-04**
Sample Designation: **J1405052-008**

Matrix: **Water**
Date Collected: **07/09/14 12:30**
Date Received: **07/11/14 08:45**

Parameters	Method	Units	Results	Dil Factor	MDL	PQL	CAS Number	Date/Time Analyzed	Date/Time Prep
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Organochlorine Pesticides by EPA 505

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (70-130)	EPA 505	%	62.7 J	1			877-09-8	07/18/14 21:47	07/17/14 16:03
Hexachlorobenzene	EPA 505	ug/L	0.0068 U	1	0.0068	0.027	118-74-1	07/18/14 21:47	07/17/14 16:03

Organochlorine Pesticides by EPA Method 8081

Method Qualifier:

Surrogate: 2,4,5,6-Tetrachloro-m-xylene (0-154)	EPA 8081	%	49.7	1			877-09-8	07/23/14 13:26	07/15/14 15:22
Chlorobenzilate	EPA 8081	ug/L	0.0011 U	1	0.0011	0.0044	510-15-6	07/23/14 13:26	07/15/14 15:22
Diallate	EPA 8081	ug/L	0.036 U	1	0.036	0.14	2303-16-4	07/23/14 13:26	07/15/14 15:22

Semi-volatile Organic Compounds by Method 8270

Method Qualifier:

Surrogate: Nitrobenzene-d5 (0-118)	EPA 8270	%	76.8	1			4165-60-0	07/18/14 23:40	07/15/14 15:22
Surrogate: 2-Fluorobiphenyl (0-115)	EPA 8270	%	51.8	1			321-60-8	07/18/14 23:40	07/15/14 15:22
Surrogate: p-Terphenyl-d14 (1-148)	EPA 8270	%	28.7	1			1718-51-0	07/18/14 23:40	07/15/14 15:22
2,4-Dinitrotoluene	EPA 8270	ug/L	4.5 U	1	4.5	5.5	121-14-2	07/18/14 23:40	07/15/14 15:22
Famphur	EPA 8270	ug/L	0.76 U	1	0.76	11	52-85-7	07/19/14 02:32	07/15/14 15:22
Kepone	EPA 8270	ug/L	4.6 U	1	4.6	55	143-50-0	07/22/14 03:45	07/15/14 15:22
Pentachloronitrobenzene **	EPA 8270	ug/L	1.6 U	1	1.6	5.5	82-68-8	07/22/14 03:45	07/15/14 15:22

Footnotes

U The compound was analyzed for but not detected.
J The reported value failed to meet the established quality control criteria for either precision or accuracy (see cover letter for explanation)
I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
** SunLabs is not currently NELAC certified for this analyte. Unless directed otherwise by client, a NELAC certified sub-contract laboratory has performed this analysis (see cover letter for details).
LCS / LCSD Laboratory Control Sample / Laboratory Control Sample Duplicate
MB Method Blank
MS / MSD Matrix Spike / Matrix Spike Duplicate
RPD Relative Percent Difference



Quality Control Data

SunLabs
Project Number

4071103

ALS Environmental

Project Description

J1405052

Batch No: **B005991**

Test: **8270 APPIX**

Analyte	Result	Units	Spike Level	Parent Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Blank (B005991-BLK1)			Prepared: 07/14/14 Analyzed: 07/18/14						
Surrogate: Nitrobenzene-d5	61	ug/L	100		60.7	0-118			
Surrogate: 2-Fluorobiphenyl	43	ug/L	100		42.6	0-115			
Surrogate: p-Terphenyl-d14	54	ug/L	100		54.5	1-148			
2,4-Dinitrotoluene	4.1 U	ug/L							
Famphur	0.69 U	ug/L							
Kepone	4.2 U	ug/L							
Pentachloronitrobenzene	1.5 U	ug/L							
LCS (B005991-BS1)			Prepared: 07/14/14 Analyzed: 07/18/14						
Surrogate: Nitrobenzene-d5	72	ug/L	100		72.2	0-118			
Surrogate: 2-Fluorobiphenyl	57	ug/L	100		56.7	0-115			
Surrogate: p-Terphenyl-d14	51	ug/L	100		50.8	1-148			
2,4-Dinitrotoluene	42	ug/L	50		84.8	51-119			
Famphur	0.69 U	ug/L				70-130			
Kepone	4.4	ug/L	50		8.74	22-72			J
Pentachloronitrobenzene	60	ug/L				64-98			
LCS (B005991-BS2)			Prepared: 07/15/14 Analyzed: 07/19/14						
Surrogate: Nitrobenzene-d5	0.0	ug/L	100			0-118			
Surrogate: 2-Fluorobiphenyl	0.0	ug/L	100			0-115			
Surrogate: p-Terphenyl-d14	31	ug/L	100		30.9	1-148			
2,4-Dinitrotoluene	4.1 U	ug/L				51-119			
Famphur	0.82	ug/L	1.0		81.8	70-130			
Kepone	4.2 U	ug/L				22-72			
Pentachloronitrobenzene	1.5 U	ug/L				64-98			
LCS Dup (B005991-BSD1)			Prepared: 07/14/14 Analyzed: 07/18/14						
Surrogate: Nitrobenzene-d5	71	ug/L	100		70.8	0-118			
Surrogate: 2-Fluorobiphenyl	56	ug/L	100		56.2	0-115			
Surrogate: p-Terphenyl-d14	45	ug/L	100		44.8	1-148			
2,4-Dinitrotoluene	45	ug/L	50		89.3	51-119	5.17	20	
Famphur	0.69 U	ug/L				70-130		20	
Kepone	4.4	ug/L	50		8.84	22-72	1.14	20	J
Pentachloronitrobenzene	56	ug/L				64-98	5.88	20	
LCS Dup (B005991-BSD2)			Prepared: 07/15/14 Analyzed: 07/19/14						
Surrogate: Nitrobenzene-d5	0.0	ug/L	100			0-118			
Surrogate: 2-Fluorobiphenyl	0.0	ug/L	100			0-115			
Surrogate: p-Terphenyl-d14	32	ug/L	100		31.5	1-148			
2,4-Dinitrotoluene	4.1 U	ug/L				51-119		20	
Famphur	0.86	ug/L	1.0		85.8	70-130	4.76	20	
Kepone	4.2 U	ug/L				22-72		20	
Pentachloronitrobenzene	1.5 U	ug/L				64-98		20	



Quality Control Data

SunLabs
Project Number

4071103

ALS Environmental

Project Description

J1405052

Batch No: **B005993**
Test: **8081 MISC Pesticides**

Analyte	Result	Units	Spike Level	Parent Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Blank (B005993-BLK1)			Prepared: 07/14/14 Analyzed: 07/23/14						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	0.055	ug/L	0.10		55.3	0-154			
Surrogate: Decachlorobiphenyl	0.033	ug/L	0.10		33.1	10-139			
Chlorobenzilate	0.0010 U	ug/L							
Diallate	0.032 U	ug/L							
LCS (B005993-BS1)			Prepared: 07/14/14 Analyzed: 07/23/14						
Chlorobenzilate	0.090	ug/L	0.10		89.9	50-130			
Diallate	0.29	ug/L	0.50		58.4	40-160			
LCS Dup (B005993-BSD1)			Prepared: 07/14/14 Analyzed: 07/23/14						
Chlorobenzilate	0.091	ug/L	0.10		90.7	50-130	0.915	20	
Diallate	0.33	ug/L	0.50		66.6	40-160	13.3	20	

Batch No: **B006060**
Test: **505 REG Pesticides**

Analyte	Result	Units	Spike Level	Parent Result	%REC	%REC Limits	RPD	RPD Limit	Flags
Blank (B006060-BLK1)			Prepared: 07/17/14 Analyzed: 07/18/14						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	100	ug/L	100		105	70-130			
Surrogate: Decachlorobiphenyl	110	ug/L	100		109	70-130			
Hexachlorobenzene	0.0068 U	ug/L							
LCS (B006060-BS1)			Prepared: 07/17/14 Analyzed: 07/18/14						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	120	ug/L	100		116	70-130			
Surrogate: Decachlorobiphenyl	100	ug/L	100		99.8	70-130			
Hexachlorobenzene	1.0	ug/L	1.0		101	70-130			
LCS Dup (B006060-BSD1)			Prepared: 07/17/14 Analyzed: 07/18/14						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	120	ug/L	100		121	70-130			
Surrogate: Decachlorobiphenyl	88	ug/L	100		88.4	70-130			
Hexachlorobenzene	1.1	ug/L	1.0		110	70-130	8.45	20	
Matrix Spike (B006060-MS1)			Parent Sample: 4071103-03		Prepared: 07/17/14 Analyzed: 07/18/14				
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	86	ug/L	100		86.1	70-130			
Surrogate: Decachlorobiphenyl	70	ug/L	100		70.1	70-130			
Hexachlorobenzene	0.82	ug/L	1.0	ND	82.4	65-135			

Samples Associated with QC Batches

QC Batch ID	Method	Sample List
B005991	EPA 8270	4071103-01, 4071103-02, 4071103-03, 4071103-04
B005993	EPA 8081	4071103-01, 4071103-02, 4071103-03, 4071103-04
B006060	EPA 505	4071103-01, 4071103-02, 4071103-03, 4071103-04

Project Number: J1405052
Project Manager: Craig Myers

4071103

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Time	Lab ID	Misc Out 1 None EPA 505	Misc Out 2 None EPA 8081	Misc Out 3 None EPA 8270
J1405052-005	MW-26A	5	Water	7/9/14	0955	Sunlabs	X	X	X
J1405052-006	MW-26B	5	Water	7/9/14	1055	Sunlabs	X	X	X
J1405052-007	MW-25A	5	Water	7/9/14	1200	Sunlabs	X	X	X
J1405052-008	MW-25B	5	Water	7/9/14	1230	Sunlabs	X	X	X

-01
-02
-03
-04

Test Comments

Misc Out 1 - None
Misc Out 2 - None
Misc Out 3 - None

Report Hexachlorobenzene Only
Report Chlorobenzilate and Diallate Only
Report 2,4-Dinitrotoluene, Farnphur, Kepone, and Pentachloronitrobenzene Only

Special Instructions/Comments

Custody seal present & intact - apb 7/11/14
1.7°C on ice

H - Test is On Hold

P - Test is Authorized for Prep Only

Turnaround Requirements

___ RUSH (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

___ STANDARD

Requested FAX Date: ___

Requested Report Date: 07/24/14

Report Requirements

___ I. Results Only

___ II. Results + QC Summaries

___ III. Results + QC and Calibration Summaries

___ IV. Data Validation Report with Raw Data

POL/MDL/1

EDD

Invoice Information

PO#

J1405052

Bill to

Relinquished By: [Signature]

Received By: [Signature]

Airbill Number: [Signature]