

18 September 2015

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

Re: Cell 11 Groundwater Monitoring Well Installation and Baseline Sampling Report
JED Solid Waste Management Facility, Osceola County, Florida
Omni Waste of Osceola County, LLC
FDEP Operational Permit No. SO49-0199726-022
WACS Facility ID #89544

Dear Mr. Lubozynski:

On behalf of Omni Waste of Osceola County, LLC (Omni) for the JED Solid Waste Management Facility (Facility), Geosyntec Consultants (Geosyntec) is pleased to provide the Florida Department of Environmental Protection (FDEP) this report documenting the installation and baseline sampling of groundwater monitoring wells at the Facility. The installation work was completed by a Florida licensed drilling contractor under the supervision of Geosyntec personnel and in accordance with FDEP Operational Permit No. SO49-0199726-022.

PROJECT BACKGROUND

The Facility is located in eastern Osceola County, Florida, west of highway U.S. 441, and approximately 6.5 miles south of Holopaw. The Facility includes a Class I landfill which is linked to highway U.S. 441 by a 2.9-mile access road. The JED Facility comprises a total of approximately 2,179 acres. The landfill footprint at build-out will be approximately 360 acres and consist of 23 landfill cells that will provide available waste capacity for a period of approximately 30 years.

Construction of Cell 11 disposal area began in March 2015. As part of the construction and expansion efforts, detection monitoring well clusters MW-27A/B, MW-28A/B, and MW-29A/B were to be installed along the outside perimeter of the cell in accordance with the current Monitoring Plan Implementation Schedule (MPIS) (revised 30 January 2015, FDEP File No. 0199726-027-SO-MM). Per the FDEP Permit requirements, the well clusters included shallow surficial aquifer monitoring wells (MW-27A, MW-28A, and MW-29A) and intermediate surficial aquifer monitoring wells (MW-27B, MW-28B

and MW-29B). The remainder of this report details the installation and baseline of these six detection monitoring wells.

MONITORING WELL INSTALLATION PROCEDURE

Geosyntec personnel met with National Environmental Technology, Inc., (NET), a Florida licensed drilling subcontractor, at the Facility on 30 July 2015. NET obtained the necessary well permits (Permit numbers 49WP-1616343 and 49WP-1616344) from the FDEP. Copies of the permits and well completion reports are included in **Appendix A**. Prior to mobilization of the driller, the absence of any underground utilities was verified by PWS personnel. The areas were manually excavated to inspect for subsurface obstructions and or utilities to approximately 4 feet below land surface (ft bls). All down-hole equipment was pressure/steam washed prior to initiation of drilling activities.

Monitoring well clusters MW-27A/B, MW-28A/B and MW-29A/B were installed using hollow stem augers with a nominal inside diameter of 4¼ inches and outside diameter of approximately 8 inches. The wells were constructed within the auger to ensure that an adequate sand pack was placed around the well screen. Boreholes were advanced to approximately 20 feet below land surface (ft bls) (A zone) and 45 ft bls (B zone) in advance of construction of each monitoring well. Each monitoring well was constructed with 2-in diameter schedule 40, flush-threaded poly-vinyl chloride (PVC) well casing and well screen. The well screen for each monitoring was 10 feet in length and machine slotted with a screen opening of 0.006 inches (#6 slot). A 30/45 graded silica sand was placed around the well screen to two feet above the top of the screen for each monitoring well. A two foot thick 30/65 graded fine grain silica sand seal was placed above the sand filter in each monitoring well. The remaining annular space from the top of the fine sand seal to the existing ground surface was filled with a bentonite enriched Portland cement slurry. The PVC well casing was extended approximately 2.5 feet above the existing ground surface at each monitoring well location. A permanent marker was used to mark a location on the top of PVC well casing (TOC) for both wells as a reference point for depth to groundwater measurements. A summary of the monitoring well construction details is provided in **Table 1**.

The surface completion for each well consisted of a 6-inch diameter protective anodized aluminum casing with a lockable cover and a protective concrete enclosure around each monitoring well cluster. The surface completion work was completed by Facility personnel. The wells were fitted with a well cap, padlock, and an identification label. The well construction logs and FDEP Forms 62-701.900(30) completed for the six monitoring wells are included in **Appendix B** and **Appendix C**, respectively

WELL DEVELOPMENT ACTIVITIES

Monitoring well clusters MW-27A/B, MW-28A/B and MW-29A/B were initially developed by NET personnel on 30 and 31 July 2015 prior to grout installation using a combination of agitation and over pumping to remove deleterious material and ensure proper filter pack settlement of the 30/45 grade silica sand to provide optimal filter pack function. The groundwater monitoring wells were developed using a centrifugal pump discharging at approximately 1.5 gallons per minute (gal/min) for 30 minutes. The pump tubing intake was moved along the screened portion of the well during the development period. Throughout the development, the pump tubing was vigorously shaken within the well screen to agitate the filter pack.

The centrifugal pump was adequate to satisfactorily remove the deleterious material from the well, but the water remained turbid which is commonly observed at new monitoring wells installed at the Facility. Development continued on 18 and 19 August 2015 with the use of a peristaltic pump or stainless steel electric submersible pump. A minimum of two well volumes and a maximum of 30 well volumes were purged from the wells to reduce turbidity. Only monitoring well, MW-27B, finished development with turbidity values above 50 nephelometric turbidity units (NTU).

MONITORING WELL SURVEY

The locations and top of casing elevations of each monitoring well were surveyed on 8 August 2015 by Peavey & Associates Surveying & Mapping PA, professional land surveyors licensed in the State of Florida. Each location was surveyed horizontally in Florida state plane coordinates to an accuracy of 0.1 ft and elevation in feet National Geodetic Vertical Datum of 1929 (NGVD29) to an accuracy of 0.01 ft. A copy of the survey is included as **Attachment D**.

BASELINE GROUNDWATER SAMPLING

The baseline water-quality samples for the MW-27A/B, MW-28A/B and MW-29A/B well clusters were collected by Progressive Waste Solutions of Florida (PWS) and Weibu, LLC (Weibu) personnel on 18 and 19 August 2015. All groundwater sampling was performed in accordance with the current applicable FDEP Standard Operating Procedures (DEP-SOP-001-01, July 2014) for groundwater sampling. The Water Quality Monitoring Certification Form 62-701.900(31) is presented in **Appendix E**.

A peristaltic pump or stainless steel electrical submersible pump were used to purge and sample the groundwater monitoring wells using high density polyethylene (HDPE) tubing.

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; ORP; and dissolved oxygen. Turbidity levels were measured using a LaMotte 2020e turbidity meter. Field parameters were recorded on a sample collection form, which is contained in **Appendix F**. When the field parameters stabilized within the acceptable tolerances required by the FDEP SOP, well purging was considered complete and a groundwater sample was collected. For wells where the turbidity greater than 50 NTU, stability was established by purging at least 5 well volumes and observing variations in the measured turbidity. Once the turbidity had stabilized and all other parameters conformed to the guidance set forth in the FDEP SOP's, samples were collected including an unfiltered and filtered sample for dissolved metals. A filtered sample was only collected from MW-27B.

For monitoring wells where peristaltic pumps were used, volatile organic compound (VOC) sample vials were filled directly from the tubing on the discharge end of the peristaltic pump at a flow rate between 100 and 400 milliliters (mL) per minute.. For the monitoring wells that were purged and sampled with the stainless steel submersible pump, all sample aliquots were filled directly from the down-well tubing.

The water quality monitoring meters were calibrated before and after sampling and the water quality meter calibration form is presented in **Appendix G**. Samples were placed in a cooler and packed with bagged ice for transport to the analytical laboratory. A Chain-of-Custody (COC) form was completed and accompanied the samples to the analytical laboratory. A copy of the COC form is included in **Appendix H**. A trip blank sample and a temperature blank were packed in the sample cooler, and a security seal was affixed to the sample cooler prior to shipping.

ANALYTICAL RESULTS SUMMARY

The groundwater samples were analyzed by ALS Environmental 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.

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

The analytical laboratory test results for the baseline groundwater monitoring for the MW-27A/B, MW-28A/B and MW-29A/B monitoring well clusters are presented in **Appendix I. Table 2** summarizes the parameters with detections above the method reporting limits (MRL) for these samples. Any parameters exceeding the groundwater cleanup target levels (GCTL), primary drinking water standards (PDWS) or secondary drinking water standards (SDWS) are highlighted **green**. It should be noted that the groundwater sample collected after the filter from monitoring well MW-27B was measured to have a turbidity of 279 NTU which may explain the exceedance of dissolved lead and TDS observed. Period of record data indicates that monitoring wells installed at the Facility indicate high turbidity after installation and gradually decrease over time as the wells are sampled semi-annually. The exceedances of regulatory levels are discussed below:

- The pH (SDWS 6.5-8.5 standard units [SU]) was detected below the SDWS limit in every groundwater samples ranging between 5.28 SU in MW-29B and 6.13 SU in MW-28A. These pH values are consistent with the period of record data observed at the Facility and with regional groundwater pH values.
- Iron (SDWS 300 micrograms per liter [$\mu\text{g/L}$]) was detected above the SDWS in each groundwater sample ranging between 2,260 $\mu\text{g/L}$ (MW-28B – total iron) and 6,760 $\mu\text{g/L}$ (MW-27B – dissolved iron). The cause of the elevated iron concentrations is likely due to oxidation-reduction conditions in the aquifer favoring an increase in soluble (ferrous) iron which is documented at other wells at the Facility. The source of the iron is most likely naturally occurring and is a common occurrence throughout most of the State of Florida;
- Lead (PDWS 15 $\mu\text{g/L}$) was detected above the PDWS in the groundwater sample from MW-27B at a dissolved concentration of 30.3 $\mu\text{g/L}$ (total concentration of 79.2 $\mu\text{g/L}$).
- TDS (SDWS 500 mg/L) were detected above the SDWS in the groundwater sample collected from detection well MW-27B at a concentration of 1,070 mg/L.

Routine semi-annual sampling is scheduled for November 2015 and will include sampling of the six newly installed monitoring wells.

CLOSURE

Should you have any questions regarding the information presented in this report, please contact Mr. Mike Kaiser at (904) 673-0446, michael.kaiser@progressivewaste.com, or Matthew Wissler at (727) 330-9954.

Sincerely,



Matthew P. Wissler
Senior Hydrogeologist
State of Florida Professional Geologist #2521

Attachments

Copy: Mike Kaiser, PWS

TABLES

TABLE 1:

Summary of Monitoring Well Installation Details
JED Solid Waste Management Facility
Osceola County, Florida

Monitoring Well Designation	WACS ID	Northing	Easting	Date Installed	Top of Casing Elevation (feet, NGVD29)	Ground Surface Elevation (feet, NGVD29)	Riser Height (feet AGS)	Total Depth of Borehole (feet BGS)	Screen Setting				Filter Pack		Fine Sand Seal	
									(feet BGS)		Elevation (feet)		(feet BGS)		(feet BGS)	
									Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
MW-27A	29179	1354221.0	626958.4	31-Jul-15	94.68	92.10	2.58	20.0	10.0	20.0	82.1	77.1	8.0	20.0	6.0	8.0
MW-27B	29180	1354225.5	626958.1	31-Jul-15	94.66	92.10	2.56	45.0	35.0	45.0	57.1	52.1	33.0	45.0	31.0	33.0
MW-28A	29186	1354549.6	626899.1	30-Jul-15	94.77	92.04	2.73	20.0	10.0	20.0	82.0	77.0	8.0	20.0	6.0	8.0
MW-28B	29187	1354554.0	626898.2	30-Jul-15	94.68	92.04	2.64	45.0	35.0	45.0	57.0	52.0	33.0	45.0	31.0	33.0
MW-29A	29189	1354930.8	626575.9	31-Jul-15	94.88	92.20	2.68	20.0	10.0	20.0	82.2	77.2	8.0	20.0	6.0	8.0
MW-29B	29190	1354932.6	626572.8	31-Jul-15	94.67	92.20	2.47	45.0	35.0	45.0	57.2	52.2	33.0	45.0	31.0	33.0

Notes:

Northing and Easting is based on the East Zone of the Florida State Plane Coordinate System

NGVD29 indicates the National Geodetic Vertical Datum of 1929

AGS indicates above ground surface

BGS indicates below ground surface

TABLE 2
Groundwater Monitoring Detections
Monitoring Well Clusters MW-27A/B, MW-28A/B, and MW-29A/B Baseline Sampling Event
JED Solid Waste Management Facility
Osceola County, Florida
18 and 19 August 2015

Parameter Monitored	GCTL / PDWS / SDWS	Detection Limit	Units	Monitoring Results					
				MW-27A (Detection)	MW-27B (Detection)	MW-28A (Detection)	MW-28B (Detection)	MW-29A (Detection)	MW-29B (Detection)
Field Parameters									
Dissolved Oxygen	--	--	mg/L	0.18	0.25	0.21	0.13	0.27	0.70
pH	6.5-8.5	--	SU	5.80	5.50	6.13	5.43	5.57	5.28
Conductivity	--	--	mS/cm	195	190	410	134	168	257
Temperature	--	--	°C	25.51	24.43	25.61	23.58	25.41	24.58
Turbidity	--	--	NTU	10.7	279 (filtered) 1,640 (unfiltered)	6.5	36	1.5	7.6
Laboratory Parameters									
Naphthalene*	14	0.0434	µg/L	0.100 i	0.0577 i	0.0436 i	0.0641 i	0.0441 i	0.260
Arsenic	10	0.5	µg/L	2.4	1.6 (dissolved) 3.1 (total)	4.5	1.1	1.0 i	0.6 i
Barium	2,000	0.5	µg/L	17.3	294 (dissolved) 739 (total)	21.0	56.1	15.3	92.1
Beryllium	4	0.04	µg/L	0.04 U	0.82 (dissolved) 2.19 (total)	0.04 U	0.11 i	0.04 U	0.14 i
Chromium	100	0.2	µg/L	1.3	27.6 (dissolved) 72.8 (total)	4.4	3.6	1.7	1.7
Copper	1,000	0.3	µg/L	0.3 U	8.9 (dissolved) 24.8 (total)	0.6 i	0.7 i	0.7 i	0.3 U
Iron	300	3.0	µg/L	2,610	6,760 (dissolved) 16,500 (total)	2,790	2,260	6,190	3,440
Lead	15	0.12	µg/L	0.19 i	30.3 (dissolved) 79.2 (total)	0.12 U	2.71	0.16 i	0.12 U
Mercury	2	0.02	µg/L	0.02 U	0.18 (dissolved) 0.54 (total)	0.02 U	0.02 U	0.02 U	0.02 U
Nickel	100	0.5	µg/L	1.1 i	3.9 (dissolved) 8.7 (total)	2.0 i	1.0 i	0.6 i	1.0 i
Selenium	50	1.1	µg/L	1.1 U	7.4 (dissolved) 19.8 (total)	1.1 U	1.1 U	1.1 U	1.1 U
Sodium	160	0.03	mg/L	12.4	29.0 (dissolved) 29.1 (total)	13.6	14.9	6.26	26.1
Thallium	2	0.05	µg/L	0.05 U	0.30 (dissolved) 0.64 (total)	0.05 U	0.05 U	0.05 U	0.05 U
Vanadium	49	0.3	µg/L	2.9	41.1 (dissolved) 86.8 (total)	9.9	4.8	2.6	2.4
Ammonia-N	2.8	0.007	mg/L	1.16	0.067	2.14	0.089	1.11	0.091
Chloride	250	0.2	mg/L	19.2	40.6	25.5	24.5	6.8	34.8
Total Dissolved Solids	500	10	mg/L	139	1,070	306	108	120	162
Sulfide	250	0.4	mg/L	1.9 i	2.8 i	2.0	4.2	6.0	4.4

Notes:

* = indicates likely laboratory contaminant

GCTL = Groundwater Cleanup Target Level

PDWS = Primary Drinking Water Standard

SDWS = Secondary Drinking Water Standard

Only those parameters with detections above the Method Reporting Limit are shown.

Concentrations in shaded cells did not meet the GCTL, PDWS or SDWS Standard Criteria.

U = indicates that the compound was analyzed for but not detected at or above the Method Detection Limit (MDL)

i = reported value is between the laboratory MDL and the laboratory Practical Quantitation Limit (PQL)

mg/L = milligrams per liter

µS/cm = microSiemens per centimeter

µg/L = micrograms per liter

°C = degrees Celsius

SU = Standard Unit

NTU = Nephelometric Turbidity Units

APPENDIX A

Monitoring Well Installation Permits



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- ☐ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP
☐ Delegated Authority (If Applicable)

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

990P
1. *Permit Number 1616343 *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____
2. *Number of permitted wells constructed, repaired, or abandoned 3 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Omnivaste of Osceola County 4. *Completion Date 7-31-2015 5. Florida Unique ID _____
6. JED Solid Waste Facility 1501 Omni Way, St. Cloud, FL
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Osceola *Section 11 Land Grant _____ *Township 28S *Range 32E
8. Latitude _____ Longitude _____
9. Data Obtained From: ☐ GPS ☒ Map ☐ Survey Datum: ☐ NAD 27 ☐ NAD 83 ☐ WGS 84
10. *Type of Work: ☒ Construction ☐ Repair ☐ Modification ☐ Abandonment
11. *Specify Intended Use(s) of Well(s):
☐ Domestic ☐ Landscape Irrigation ☐ Agricultural Irrigation ☐ Site Investigation
☐ Bottled Water Supply ☐ Recreation Area Irrigation ☐ Livestock ☒ Monitoring
☐ Public Water Supply (Limited Use/DOH) ☐ Nursery Irrigation ☐ Test
☐ Public Water Supply (Community or Non-Community/DEP) ☐ Commercial/Industrial ☐ Earth-Coupled Geothermal
☐ Class I Injection ☐ Golf Course Irrigation ☐ HVAC Supply
☐ HVAC Return
Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☐ Drainage
Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____
Other (Describe) _____
12. *Drill Method: ☒ Auger ☐ Cable Tool ☐ Rotary ☐ Combination (Two or More Methods) ☐ Jetted ☐ Sonic
☐ Horizontal Drilling ☐ Hydraulic Point (Direct Push) ☐ Other _____
13. *Measured Static Water Level 14 ft. Measured Pumping Water Level 17 ft. After 0.5 Hours at 3 GPM
14. *Measuring Point (Describe) Ground Surface Which is 0 ft. Above ☒ Below Land Surface *Flowing: ☐ Yes ☒ No
15. *Casing Material: ☐ Black Steel ☐ Galvanized ☒ PVC ☐ Stainless Steel ☐ Not Cased ☐ Other _____
16. *Total Well Depth 45 ft. Cased Depth 35 ft. *Open Hole: From N/A To _____ ft. *Screen: From 35' To 45' ft. Slot Size .006
17. *Abandonment: ☐ Other (Explain) _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
18. *Surface Casing Diameter and Depth:
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
19. *Primary Casing Diameter and Depth:
Dia 2 in. From 0 ft. To 35' ft. No. of Bags 10 Seal Material (Check One): ☒ Neat Cement ☐ Bentonite ☐ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
20. *Liner Casing Diameter and Depth:
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
21. *Telescope Casing Diameter and Depth:
Dia 2 in. From 35' ft. To 45' ft. No. of Bags 8 Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other Sand
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): ☐ Neat Cement ☐ Bentonite ☐ Other _____
22. Pump Type (If Known): NONE
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine
Horsepower _____ Pump Capacity (GPM) _____
Pump Depth _____ ft. Intake Depth _____ ft.
23. Chemical Analysis (When Required): N/A
Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
Laboratory Test _____ Field Test Kit _____
24. Water Well Contractor:
*Contractor Name Ross Chindaver *License Number 11093 E-mail Address netross@tampabay.rr.com
*Contractor's Signature [Signature] *Driller's Name (Print or Type) William Tennant
(I certify that the information provided in this report is accurate and true.)

Comments: Installation of 3- 2" Dia monitoring wells to 45'
in depth w/ 10' of .006 Slotted Screen MW- 27B, 28B, 29B



STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

- ☐ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP

PLEASE FILL OUT ALL APPLICABLE FIELDS
 (*Denotes Required Fields Where Applicable)

The water well contractor is responsible for completing this form and forwarding the permit application to the appropriate delegated authority where applicable.

☐ Delegated Authority (If Applicable) max 278, 288, 298

Permit No.

Florida Unique ID

Permit Stipulations Required (See Attached)

62-524 Quad No.

Delineation No.

CUP/WUP Application No.

49 WP 1616343

1. Omani Waste of Osceola County 3903 Bullair Blvd Houston Tx 77025 813
 *Owner, Legal Name If Corporation *Address *City *State *ZIP *Telephone Number

2. JEO Solid Waste Facility 1501 Omani Way St. Cloud, FL
 *Well Location - Address, Road Name or Number, City

3. 11-28-32 000 000 100 000
 *Parcel ID No. (PIN) or Alternate Key (Circle One)

4. 11 28S 32E Osceola Subdivision Check if 62-524: Yes ☒ No ☐
 *Section or Land Grant *Township *Range *County

5. ROSS CHANDLER 11093 (813) 555-3612 not ross @
 *Water Well Contractor *License Number *Telephone Number *E-mail Address

6. 12435 Jess Walden Road DOOR FL 33527
 *Water Well Contractor's Address *City *State *ZIP

7. *Type of Work: ☒ Construction ☐ Repair ☐ Modification ☐ Abandonment

8. *Number of Proposed Wells 3

9. *Specify Intended Use(s) of Well(s):
 Domestic ☐ Landscape Irrigation ☐ Agricultural Irrigation ☐ Site Investigation ☐
 Bottled Water Supply ☐ Recreation Area Irrigation ☐ Livestock ☐ Monitoring ☐
 Public Water Supply (Limited Use/DOH) ☐ Nursery Irrigation ☐ Test ☐
 Public Water Supply (Community or Non-Community/DEP) ☐ Commercial/Industrial ☐ Earth-Coupled Geothermal ☐
 Class I Injection ☐ Golf Course Irrigation ☐ HVAC Supply ☐
 HVAC Return ☐
 Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☐ Drainage
 Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____
 Other (Describe) _____ (Note: Not all types of wells are permitted by a given permitting authority)

10. *Distance from Septic System if ≤ 200 ft. N/A 11. Facility Description Landfill 12. Estimated Start Date 7-20-15

13. *Estimated Well Depth 40 ft. *Estimated Casing Depth 30 ft. *Primary Casing Diameter 2 in. Open Hole: From N/A To ft.

14. Estimated Screen Interval: From 30 To 40 ft.

15. *Primary Casing Material: ☐ Black Steel ☐ Galvanized ☒ PVC ☐ Stainless Steel
☐ Not Cased ☐ Other _____

16. Secondary Casing: N/A Telescope Casing ☐ Liner ☐ Surface Casing Diameter _____ in.

17. Secondary Casing Material: N/A Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Other _____

18. *Method of Construction, Repair, or Abandonment: ☒ Auger ☐ Cable Tool ☐ Jetted ☐ Rotary ☐ Sonic
☐ Combination (Two or More Methods) ☐ Hand Driven (Well Point, Sand Point) ☐ Hydraulic Point (Direct Push)
☐ Horizontal Drilling ☐ Plugged by Approved Method ☐ Other (Describe) _____

19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
 From 0 To 27 Seal Material ☐ Bentonite ☒ Neat Cement ☐ Other _____
 From _____ To _____ Seal Material ☐ Bentonite ☐ Neat Cement ☐ Other _____
 From _____ To _____ Seal Material ☐ Bentonite ☐ Neat Cement ☐ Other _____
 From _____ To _____ Seal Material ☐ Bentonite ☐ Neat Cement ☐ Other _____

20. Indicate total number of existing wells on site 604 List number of existing unused wells on site 0

21. *Is this well or any existing well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? ☐ Yes ☒ No If yes, complete the following: CUP/WUP No. _____ District Well ID No. _____

22. Latitude _____ Longitude _____

23. Data Obtained From: ☒ GPS ☐ Map ☐ Survey Datum: ☐ NAD 27 ☐ NAD 83 ☐ WGS 84

I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or surface recharge permit, if needed, has been or will be obtained prior to commencement of such construction. I further certify that all information provided in this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after completion of the construction, repair, modification, or abandonment authorized by this permit, or two permit expiration, whichever occurs first.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well, or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have obtained the owner's consent to the well site during the construction, repair, modification, or abandonment authorized by this permit.

*Signature of Contractor 11093 *License No. For Testing *Signature of Owner or Agent 7-2-2015 *Date

Approval Granted By Jeffrey Adams Issue Date 7-7-15 Expiration Date 7-16 Hydrologist Approval CC

Fee Received \$ 225 Receipt No. _____ Check No. _____

THIS PERMIT IS NOT VALID UNTIL PROPERLY ISSUED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, REPAIR, MODIFICATION, OR ABANDONMENT ACTIVITIES.

DEP Form: 62-532.900(1) Incorporated in 62-532.400(1), F.A.C. Effective Date: October 7, 2010

Permit No. _____

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
 PHONE: (352) 796-7211 or (800) 423-1476
 WWW.SWFWM.DISTRICT.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
 4049 REID STREET, PALATKA, FL 32178-1429
 PHONE: (386) 329-4500
 WWW.SJRWM.DISTRICT.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
 (U.S. Highway 90, 10 miles west of Tallahassee)
 PHONE: (850) 539-5999
 WWW.NWFWM.DISTRICT.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 P.O. BOX 24680
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FL 33416-4680
 PHONE: (561) 686-8800
 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
 9225 CR 49
 LIVE OAK, FL 32060
 PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
 WWW.MYSUWANNEERIVER.COM

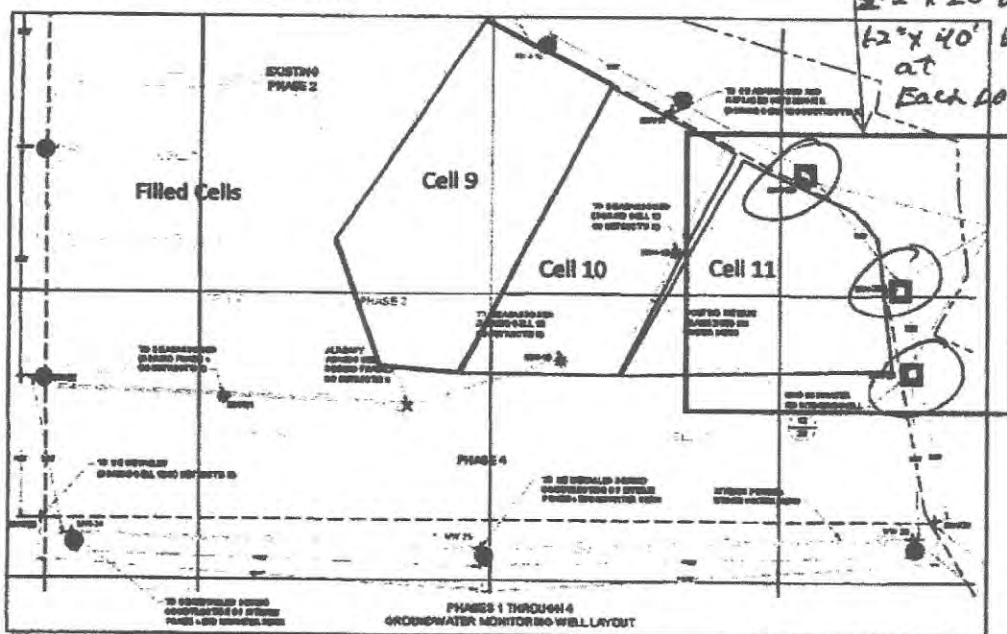
Comments:

*Installation of 3-2" Dia Monitoring Wells to 40'
 in depth with 10' of 1.006 Slotted Screen
 MW-22B, 22B, 22B*

*General Site Map of Proposed Well Location

Attachment B Figure C—Construction Cell 11

- MWs active in MPIS when Cell 11 starts construction
- * MW Clusters to be Abandoned
- MW Clusters Facility Proposed to be Constructed



Identify known roads and landmarks. Give distances from all reference points or structures, septic systems, sanitary hazards, and contamination sources, if applicable.

DEP Form 62-532.900(1) Incorporated in 62-532.400(1). F.A.C. Effective Date: October 7, 2010

Page 2 of 2



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- ☐ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP
☐ Delegated Authority (If Applicable)

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

990P
1. *Permit Number 1616344 *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____
2. *Number of permitted wells constructed, repaired, or abandoned 3 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Omni Waste of Osceola County 4. *Completion Date 7-31-2015 Florida Unique ID _____
6. JED Solid Waste Facility 1501 Omni Way, St. Cloud, FL
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Osceola *Section 11 Land Grant _____ *Township 28S *Range 32E
8. Latitude _____ Longitude _____
9. Data Obtained From: _____ GPS ☒ Map ☒ Survey _____ Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84
10. *Type of Work: ☒ Construction _____ Repair _____ Modification _____ Abandonment
11. *Specify Intended Use(s) of Well(s):
Domestic _____ Landscape Irrigation _____ Agricultural Irrigation _____ Site Investigation _____
Bottled Water Supply _____ Recreation Area Irrigation _____ Livestock _____ Monitoring ☒
Public Water Supply (Limited Use/DOH) _____ Nursery Irrigation _____ Test _____
Public Water Supply (Community or Non-Community/DEP) _____ Commercial/Industrial _____ Earth-Coupled Geothermal _____
Golf Course Irrigation _____ HVAC Supply _____
Class I Injection _____ HVAC Return _____
Class V Injection: _____ Recharge _____ Commercial/Industrial Disposal _____ Aquifer Storage and Recovery _____ Drainage
Remediation: _____ Recovery _____ Air Sparge _____ Other (Describe) _____
Other (Describe) _____
12. *Drill Method: ☒ Auger _____ Cable Tool _____ Rotary _____ Combination (Two or More Methods) _____ Jetted _____ Sonic _____
Horizontal Drilling _____ Hydraulic Point (Direct Push) _____ Other _____
13. *Measured Static Water Level 14 ft. Measured Pumping Water Level 17 ft. After 0.5 Hours at 3 GPM
14. *Measuring Point (Describe) Ground Surface Which is 0 ft. Above ☒ Below Land Surface *Flowing: _____ Yes ☒ No
15. *Casing Material: _____ Black Steel _____ Galvanized ☒ PVC _____ Stainless Steel _____ Not Cased _____ Other _____
16. *Total Well Depth 20 ft. Cased Depth 10 ft. *Open Hole: From _____ To _____ ft. *Screen: From 10 To 20 ft. Slot Size .006
17. *Abandonment: _____ Other (Explain) _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
18. *Surface Casing Diameter and Depth:
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
19. *Primary Casing Diameter and Depth:
Dia 2 in. From 0 ft. To 10 ft. No. of Bags 3 Seal Material (Check One): ☒ Neat Cement _____ Bentonite _____ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
20. *Liner Casing Diameter and Depth:
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
21. *Telescope Casing Diameter and Depth:
Dia 2 in. From 10 ft. To 20 ft. No. of Bags 8 Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other Sand
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
Dia _____ in. From _____ ft. To _____ ft. No. of Bags _____ Seal Material (Check One): _____ Neat Cement _____ Bentonite _____ Other _____
22. Pump Type (If Known): NONE 23. Chemical Analysis (When Required): N/A
Centrifugal _____ Jet _____ Submersible _____ Turbine _____ Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm
Horsepower _____ Pump Capacity (GPM) _____
Pump Depth _____ ft. Intake Depth _____ ft. Laboratory Test _____ Field Test Kit _____
24. Water Well Contractor:
*Contractor Name Ross Chimander *License Number 11093 E-mail Address netross@tampabay.rr.com
*Contractor's Signature [Signature] *Driller's Name (Print or Type) William Tennant
(I certify that the information provided in this report is accurate and true.)



STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

- ☐ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP
☐ Delegated Authority (If Applicable) MW-27A, 28A, 29A

PLEASE FILL OUT ALL APPLICABLE FIELDS
 ("Denotes Required Fields Where Applicable")

The water well contractor is responsible for completing this form and forwarding the permit application to the appropriate delegated authority, where applicable.

(3 Wells)

49WP1616344

Permit No. _____
 Florida Unique ID _____
 Permit Stipulations Required (See Attached) _____
 62-524 Quad No. _____ Delineation No. _____
 CUP/WUP Application No. _____

1. Omni Waste of Osceola County 3903 Bellair Blvd 813
 *Owner, Legal Name If Corporation Address City State ZIP Telephone Number
TX 77025 969-7553

2. JED Solid Waste Facility 1501 Omni Way FL
 *Well Location - Address, Road Name or Number, City State ZIP
St. Cloud, FL

3. 11-28-32 000 000 100 000
 *Parcel ID No. (PIN) or Alternate Key (Circle One) Lot Block Unit

4. 11 28S 32E OSCEOLA
 *Section or Land Grant Township Range County Subdivision Check if 62-524: Yes ☒ No

5. ROSS CHANDLER 11093 (813) 555-3612 not ross e
 *Water Well Contractor License Number Telephone Number E-mail Address
ross@jed.com

6. 12435 Jess Walden Road Dover FL 33527
 *Water Well Contractor's Address City State ZIP

7. *Type of Work: ☒ Construction ☐ Repair ☐ Modification ☐ Abandonment

8. *Number of Proposed Wells 3

9. *Specify Intended Use(s) of Well(s):
☐ Domestic ☐ Landscape Irrigation ☐ Agricultural Irrigation ☐ Site Investigation
☐ Bottled Water Supply ☐ Recreation Area Irrigation ☐ Livestock ☐ Monitoring
☐ Public Water Supply (Limited Use/DOH) ☐ Nursery Irrigation ☐ Test
☐ Public Water Supply (Community or Non-Community/DEP) ☐ Commercial/Industrial ☐ Earth-Coupled Geothermal
☐ Class I Injection ☐ Golf Course Irrigation ☐ HVAC Supply
☐ HVAC Return
 Class V Injection: ☐ Recharge ☐ Commercial/Industrial Disposal ☐ Aquifer Storage and Recovery ☐ Drainage
 Remediation: ☐ Recovery ☐ Air Sparge ☐ Other (Describe) _____
 Other (Describe) _____ (Note: Not all types of wells are permitted by a given permitting authority)

10. *Distance from Septic System if ≤ 200 ft. N/A 11. Facility Description Landfill 12. Estimated Start Date 7-20-15

13. *Estimated Well Depth 20 ft. *Estimated Casing Depth 10 ft. *Primary Casing Diameter 2 in. Open Hole: From N/A To FL

14. Estimated Screen Interval: From 10' To 20' ft.

15. *Primary Casing Material: ☐ Black Steel ☐ Galvanized ☒ PVC ☐ Stainless Steel
☐ Not Cased ☐ Other _____

16. Secondary Casing: N/A Telescope Casing ☐ Liner ☐ Surface Casing Diameter _____ in.

17. Secondary Casing Material: N/A Black Steel ☐ Galvanized ☐ PVC ☐ Stainless Steel ☐ Other _____

18. *Method of Construction, Repair, or Abandonment: ☒ Auger ☐ Cable Tool ☐ Jetted ☐ Rotary ☐ Sonic
☐ Combination (Two or More Methods) ☐ Hand Driven (Well Point, Sand Point) ☐ Hydraulic Point (Direct Push)
☐ Horizontal Drilling ☐ Plugged by Approved Method ☐ Other (Describe) _____

19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
 From 0 To 2' Seal Material ☒ Bentonite ☐ Neat Cement ☐ Other _____
 From _____ To _____ Seal Material ☐ Bentonite ☐ Neat Cement ☐ Other _____
 From _____ To _____ Seal Material ☐ Bentonite ☐ Neat Cement ☐ Other _____
 From _____ To _____ Seal Material ☐ Bentonite ☐ Neat Cement ☐ Other _____

20. Indicate total number of existing wells on site 60+ List number of existing unused wells on site 0

21. *Is this well or any existing well or water withdrawal on the owner's contiguous property covered under a Consumptive Water Use Permit (CUP/WUP) or CUP/WUP Application? Yes ☐ No ☒ If yes, complete the following: CUP/WUP No. _____ District Well ID No. _____

22. Latitude _____ Longitude _____

23. Data Obtained From: ☒ GPS ☐ Map ☐ Survey Datum: ☐ NAD 27 ☐ NAD 83 ☐ WGS 84

I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or an actual redemptive permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided in this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after completion of the construction, repair, modification, or abandonment authorized by this permit, or the permit application, whichever occurs first.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well or, if costly, that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of their responsibilities as stated above. Owner consents to allowing personnel of the WUD or Delegated Authority access to the well site during the construction, repair, modification, or abandonment authorized by this permit.

*Signature of Contractor [Signature] License No. 11093 Signature of Owner or Agent [Signature] Date 7-2-2015

Approval Granted By [Signature] Issue Date 7-7-15 Expiration Date 1-7-16 Hydrologist Approval [Signature]

Fee Received \$ 225 Receipt No. _____ Check No. CC

THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WUD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, REPAIR, MODIFICATION, OR ABANDONMENT ACTIVITIES.

DEP Form: 62-532.800(1) Incorporated in 62-532.400(1), F.A.C. Effective Date: October 7, 2010

Page 1 of 2

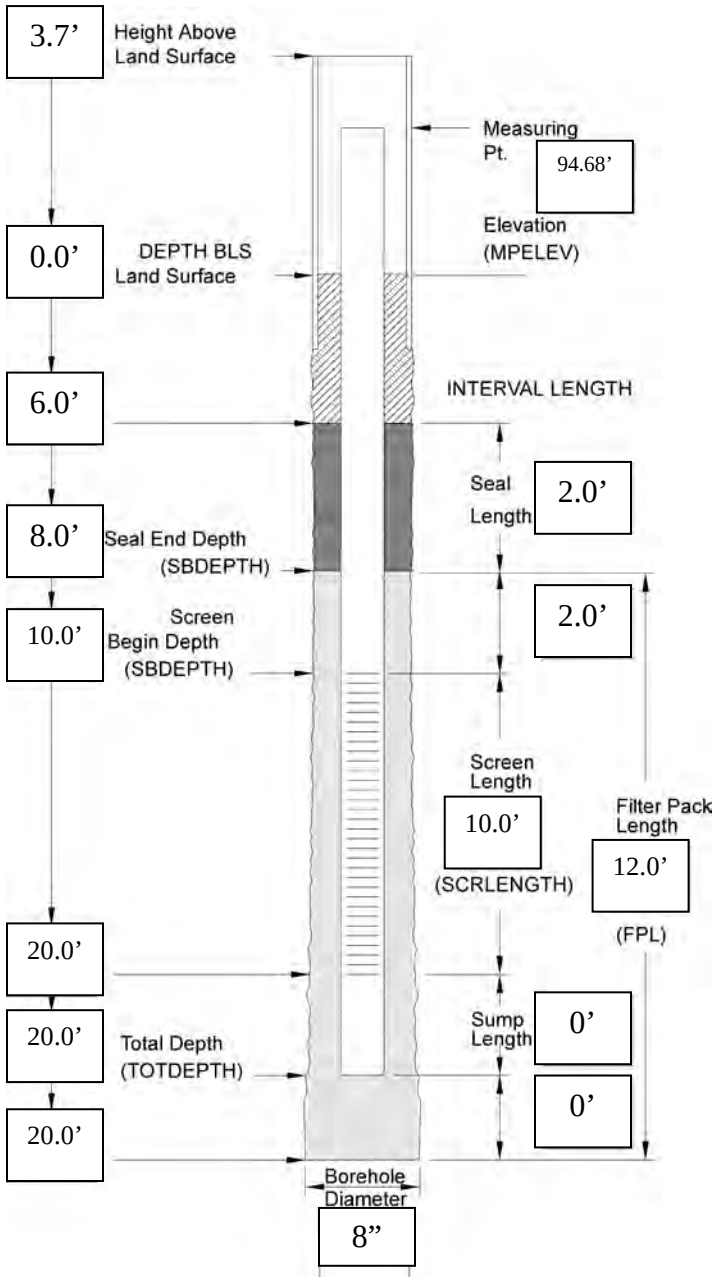
APPENDIX B

Well Construction Logs

WELL CONSTRUCTION LOG ABOVE GROUND COMPLETION

Well I.D.: MW-27A
Drilling Company: NET, Inc. Drilling
Driller(s): William Tennant
Geologist/Eng./Tech.: Dave Sizemore
Signature: [Signature]

Site: J.E.D. Solid Waste Management Facility
Project Number: FR2220C/10
Installation Method: Hollow Stem Auger
Casing Installation Date: 7/31/2015
Well Type: Groundwater Monitoring
Well Completion Method: Above ground



Well Completion

Guard Posts (Y / ☒ N) Date: 7/31/2015
Surface Pad Size: -- ft x -- ft

Protective Casing or Cover

Diameter/Type: 6" anodized aluminum
Depth BGS: 1.5' Weep Hole (Y / ☒ N)

Grout

Composition/Proportions: 1:1 Portland cement to water (bentonite enriched)
Placement Method: Tremie through hollow stem auger

Seal

Date: 7/31/2015
Type: 30/65 Silica Sand
Source: Standard Silica Sand
Set-up/Hydration Time: NA
Placement Method: Tremie through auger
Vol. Fluid Added: 0

Filter Pack

Type: 30/45 silica sand
Source: Standard Silica Sand
Amount Used: 8 x 50 lb bags
Placement Method: Tremie through auger

Well Riser Pipe

Casing Material: Schedule 40 PVC
Casing Inside Diameters: 2 in.

Screen

Material: Schedule 40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.006 in.
Percent Open Area: --
Sump or Bottom Cap (☒ Y ☐ N)

Type/Length: Threaded bottom plug

Total Water Volume During Construction

Introduced (Gal): 5
Recovered (Gal): 33

Reviewed

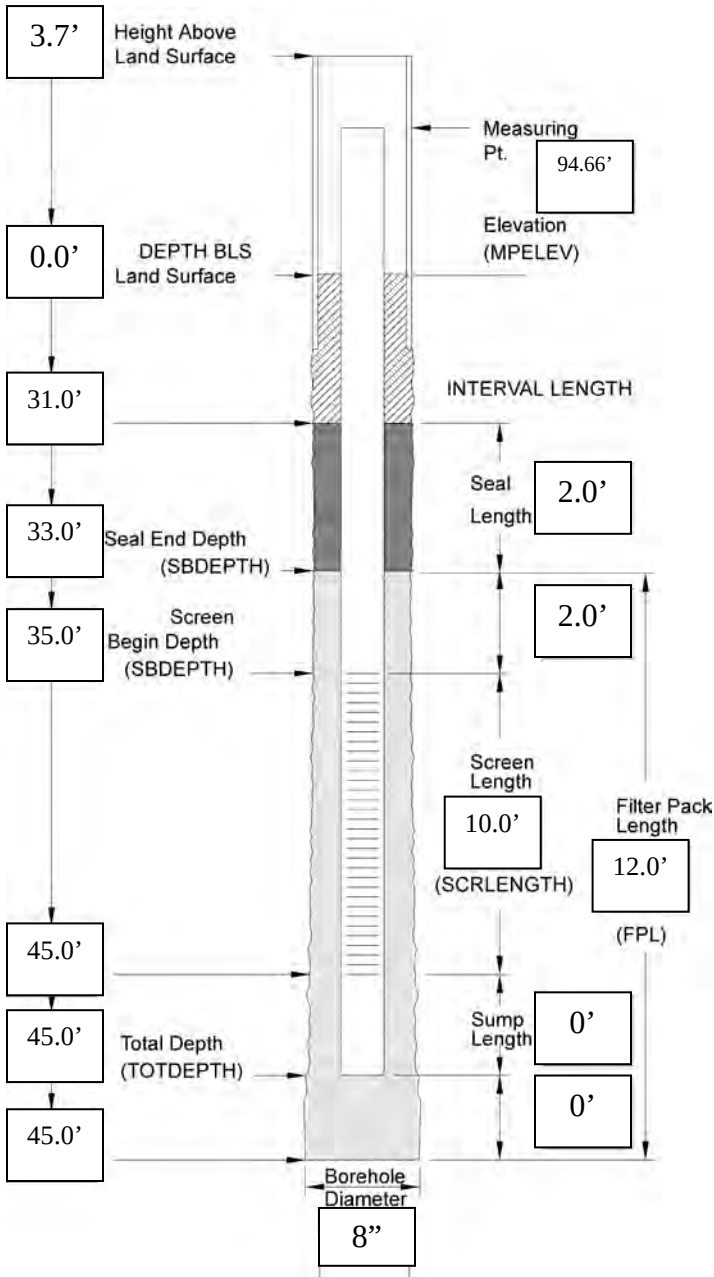
By: [Signature] Date: 8/24/2015

Comments

WELL CONSTRUCTION LOG ABOVE GROUND COMPLETION

Well I.D.: MW-27B
Drilling Company: NET, Inc. Drilling
Driller(s): William Tennant
Geologist/Eng./Tech.: Dave Sizemore
Signature: [Signature]

Site: J.E.D. Solid Waste Management Facility
Project Number: FR2220C/10
Installation Method: Hollow Stem Auger
Casing Installation Date: 7/31/2015
Well Type: Groundwater Monitoring
Well Completion Method: Above ground



Well Completion

Guard Posts (Y / ☒ N) Date: 7/31/2015
Surface Pad Size: -- ft x -- ft

Protective Casing or Cover

Diameter/Type: 6" anodized aluminum
Depth BGS: 1.5' Weep Hole (Y / ☒ N)

Grout

Composition/Proportions: 1:1 Portland cement to water (bentonite enriched)
Placement Method: Tremie through hollow stem auger

Seal

Date: 7/31/2015
Type: 30/65 Silica Sand
Source: Standard Silica Sand
Set-up/Hydration Time: NA
Placement Method: Tremie through auger
Vol. Fluid Added: 0

Filter Pack

Type: 30/45 silica sand
Source: Standard Silica Sand
Amount Used: 8 x 50 lb bags
Placement Method: Tremie through auger

Well Riser Pipe

Casing Material: Schedule 40 PVC
Casing Inside Diameters: 2 in.

Screen

Material: Schedule 40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.006 in.
Percent Open Area: --
Sump or Bottom Cap (☒ Y ☐ N)
Type/Length: Threaded bottom plug

Total Water Volume During Construction

Introduced (Gal): 5
Recovered (Gal): 189

Reviewed

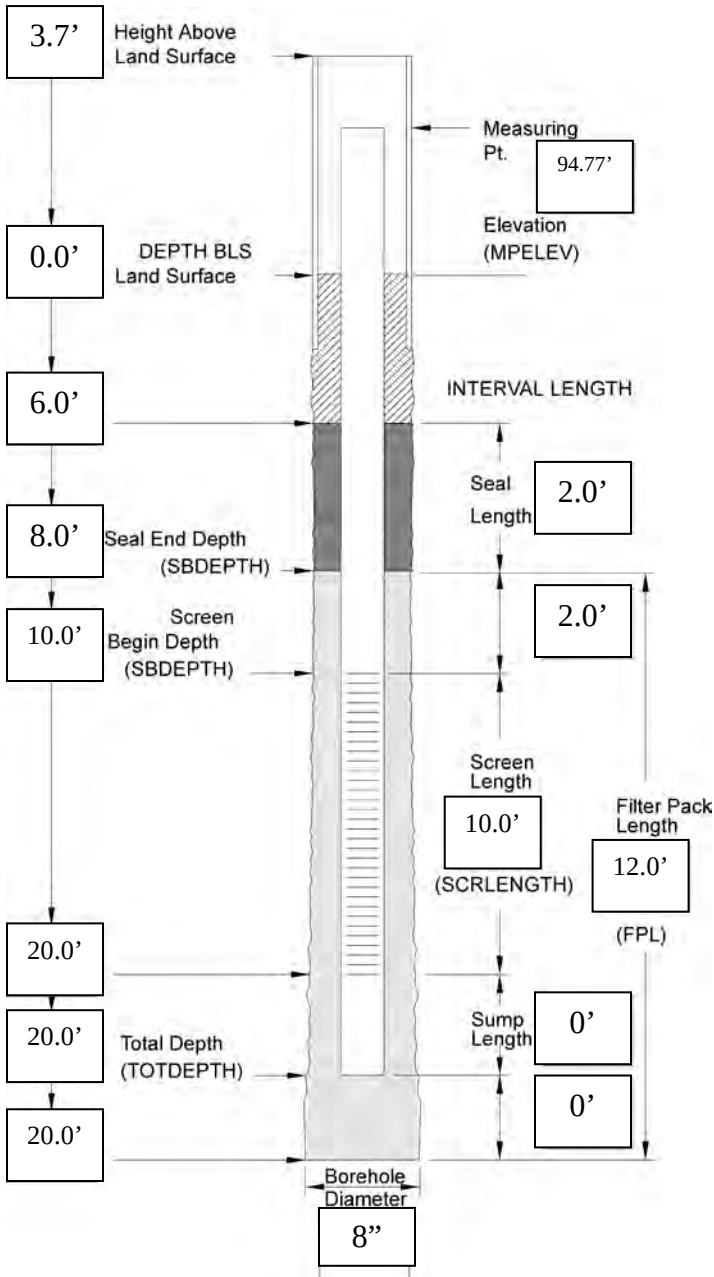
By: [Signature] Date: 8/24/2015

Comments

WELL CONSTRUCTION LOG ABOVE GROUND COMPLETION

Well I.D.: MW-28A
Drilling Company: NET, Inc. Drilling
Driller(s): William Tennant
Geologist/Eng./Tech.: Dave Sizemore
Signature: [Signature]

Site: J.E.D. Solid Waste Management Facility
Project Number: FR2220C/10
Installation Method: Hollow Stem Auger
Casing Installation Date: 7/30/2015
Well Type: Groundwater Monitoring
Well Completion Method: Above ground



Well Completion

Guard Posts (Y / ☒ N) Date: 7/30/2015
Surface Pad Size: -- ft x -- ft

Protective Casing or Cover

Diameter/Type: 6" anodized aluminum
Depth BGS: 1.5' Weep Hole (Y / ☒ N)

Grout

Composition/Proportions: 1:1 Portland cement to water (bentonite enriched)
Placement Method: Tremie through hollow stem auger

Seal

Date: 7/30/2015
Type: 30/65 Silica Sand
Source: Standard Silica Sand
Set-up/Hydration Time: NA
Placement Method: Tremie through auger
Vol. Fluid Added: 0

Filter Pack

Type: 30/45 silica sand
Source: Standard Silica Sand
Amount Used: 8 x 50 lb bags
Placement Method: Tremie through auger

Well Riser Pipe

Casing Material: Schedule 40 PVC
Casing Inside Diameters: 2 in.

Screen

Material: Schedule 40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.006 in.
Percent Open Area: --
Sump or Bottom Cap (☒ Y ☐ N)

Type/Length: Threaded bottom plug

Total Water Volume During Construction

Introduced (Gal): 5
Recovered (Gal): 34.5

Reviewed

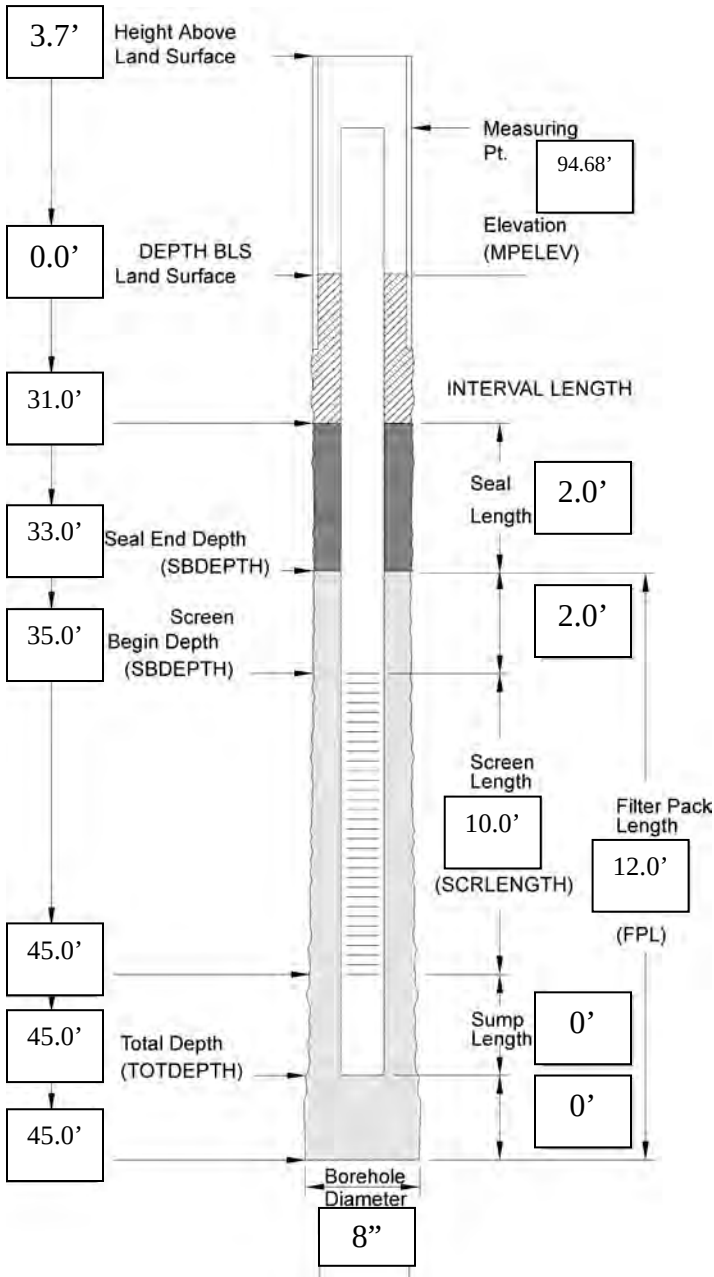
By: [Signature] Date: 8/24/2015

Comments

WELL CONSTRUCTION LOG ABOVE GROUND COMPLETION

Well I.D.: MW-28B
Drilling Company: NET, Inc. Drilling
Driller(s): William Tennant
Geologist/Eng./Tech.: Dave Sizemore
Signature: *[Signature]*

Site: J.E.D. Solid Waste Management Facility
Project Number: FR2220C/10
Installation Method: Hollow Stem Auger
Casing Installation Date: 7/30/2015
Well Type: Groundwater Monitoring
Well Completion Method: Above ground



Well Completion

Guard Posts (Y / ☒ N) Date: 7/30/2015
Surface Pad Size: -- ft x -- ft

Protective Casing or Cover

Diameter/Type: 6" anodized aluminum
Depth BGS: 1.5' Weep Hole (Y / ☒ N)

Grout

Composition/Proportions: 1:1 Portland cement to water (bentonite enriched)
Placement Method: Tremie through hollow stem auger

Seal

Date: 7/30/2015
Type: 30/65 Silica Sand
Source: Standard Silica Sand
Set-up/Hydration Time: NA
Placement Method: Tremie through auger
Vol. Fluid Added: 0

Filter Pack

Type: 30/45 silica sand
Source: Standard Silica Sand
Amount Used: 8 x 50 lb. bags
Placement Method: Tremie through auger

Well Riser Pipe

Casing Material: Schedule 40 PVC
Casing Inside Diameters: 2 in.

Screen

Material: Schedule 40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.006 in.
Percent Open Area: --
Sump or Bottom Cap (☒ Y ☐ N)

Type/Length: Threaded bottom plug

Total Water Volume During Construction

Introduced (Gal): 5
Recovered (Gal): 150

Reviewed

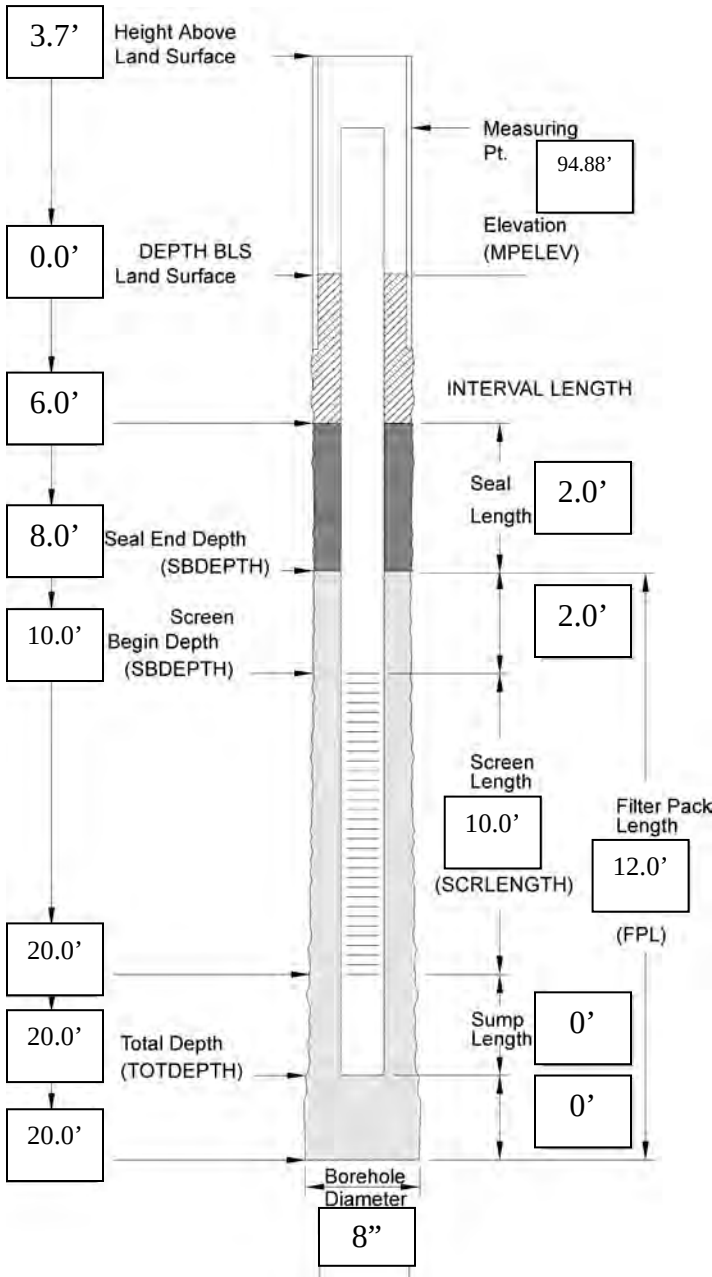
By: *[Signature]* Date: 8/24/2015

Comments

WELL CONSTRUCTION LOG ABOVE GROUND COMPLETION

Well I.D.: MW-29A
Drilling Company: NET, Inc. Drilling
Driller(s): William Tennant
Geologist/Eng./Tech.: Dave Sizemore
Signature: [Signature]

Site: J.E.D. Solid Waste Management Facility
Project Number: FR2220C/10
Installation Method: Hollow Stem Auger
Casing Installation Date: 7/31/2015
Well Type: Groundwater Monitoring
Well Completion Method: Above ground



Well Completion

Guard Posts (Y / ☒ N) Date: 7/31/2015
Surface Pad Size: -- ft x -- ft

Protective Casing or Cover

Diameter/Type: 6" anodized aluminum
Depth BGS: 1.5' Weep Hole (Y / ☒ N)

Grout

Composition/Proportions: 1:1 Portland cement to water (bentonite enriched)
Placement Method: Tremie through hollow stem auger

Seal

Date: 7/31/2015
Type: 30/65 Silica Sand
Source: Standard Silica Sand
Set-up/Hydration Time: NA
Placement Method: Tremie through auger
Vol. Fluid Added: 0

Filter Pack

Type: 30/45 silica sand
Source: Standard Silica Sand
Amount Used: 8 x 50 lb bags
Placement Method: Tremie through auger

Well Riser Pipe

Casing Material: Schedule 40 PVC
Casing Inside Diameters: 2 in.

Screen

Material: Schedule 40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.006 in.
Percent Open Area: --
Sump or Bottom Cap (☒ Y ☐ N)

Type/Length: Threaded bottom plug

Total Water Volume During Construction

Introduced (Gal): 5
Recovered (Gal): 40.5

Reviewed

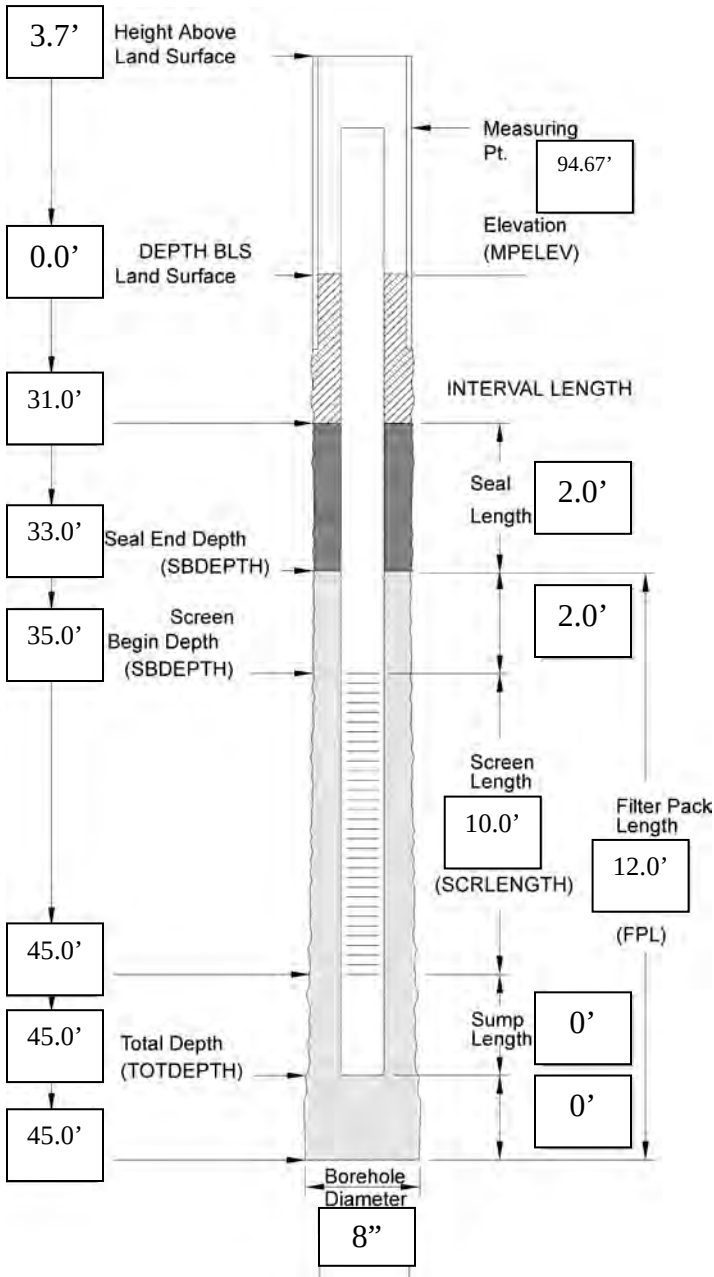
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Comments

WELL CONSTRUCTION LOG ABOVE GROUND COMPLETION

Well I.D.: MW-29B
Drilling Company: NET, Inc. Drilling
Driller(s): William Tennant
Geologist/Eng./Tech.: Dave Sizemore
Signature: [Signature]

Site: J.E.D. Solid Waste Management Facility
Project Number: FR2220C/10
Installation Method: Hollow Stem Auger
Casing Installation Date: 7/31/2015
Well Type: Groundwater Monitoring
Well Completion Method: Above ground



Well Completion

Guard Posts (Y / ☒ N) Date: 7/31/2015
Surface Pad Size: -- ft x -- ft

Protective Casing or Cover

Diameter/Type: 6" anodized aluminum
Depth BGS: 1.5' Weep Hole (Y / ☒ N)

Grout

Composition/Proportions: 1:1 Portland cement to water (bentonite enriched)
Placement Method: Tremie through hollow stem auger

Seal

Date: 7/31/2015
Type: 30/65 Silica Sand
Source: Standard Silica Sand
Set-up/Hydration Time: NA
Placement Method: Tremie through auger
Vol. Fluid Added: 0

Filter Pack

Type: 30/45 silica sand
Source: Standard Silica Sand
Amount Used: 8 x 50 lb bags
Placement Method: Tremie through auger

Well Riser Pipe

Casing Material: Schedule 40 PVC
Casing Inside Diameters: 2 in.

Screen

Material: Schedule 40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.006 in.
Percent Open Area: --
Sump or Bottom Cap (☒ Y ☐ N)
Type/Length: Threaded bottom plug

Total Water Volume During Construction

Introduced (Gal): 5
Recovered (Gal): 110

Reviewed

By: [Signature] Date: 8/24/2015

Comments

APPENDIX C

FDEP Monitoring Completion Report



Florida Department of Environmental Protection

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

DEP Form # 62-701.900(30)

Form Title: Monitoring Well Completion Report

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 8/24/2015

FACILITY NAME: JED Solid Waste Management Facility

DEP PERMIT NO.: SO49-0199726-024

WACS FACILITY ID NO.: 89544

WACS MONITORING SITE NUM.: 29179

WACS WELL NO.: MW-27A

WELL TYPE: BACKGROUND ☐

DETECTION ☒

COMPLIANCE ☐

LATITUDE: 28° 03' 32.956" LONGITUDE: -81° 05' 26.032"

(see back for LAT / LONG requirements):

Coordinate Accuracy <1 foot Datum NAD 83 2007 adjust Elevation Datum NGVD29

Collection Method GPS

Collection Date 8/13/2015

Collector Name Deborah L. Peavey

Collector Affiliation Peavey & Associates

AQUIFER MONITORED: Surficial

DRILLING METHOD: Hollow Stem Auger

DATE INSTALLED: 7/31/2015

INSTALLED BY: National Environmental Technology, Inc.

BORE HOLE DIAMETER: 8-in TOTAL DEPTH: 20-ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2-in CASING LENGTH: 10-ft

SCREEN TYPE: PVC SCREEN SLOT SIZE: 0.006 SCREEN LENGTH: 10-ft

SCREEN DIAMETER: 2-in SCREEN INTERVAL: 10-ft TO 20-ft (BLS)

FILTER PACK TYPE: Silica Sand FILTER PACK GRAIN SIZE: 30/45

INTERVAL COVERED: 8-ft TO 20-ft (BLS)

SEALANT TYPE: 30/65 Silica Sand SEALANT INTERVAL: 6-ft TO 8-ft (BLS)

GROUT TYPE: Portland Type I/II GROUT INTERVAL: 0-ft TO 6-ft (BLS)

TOP OF CASING ELEVATION (NGVD): 94.68 GROUND SURFACE ELEVATION (NGVD): 92.10

DESCRIBE WELL DEVELOPMENT: Agitate well, over pump, allow recovery, resume over pump.

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 78.60

DATE AND TIME MEASURED: 8/19/2015 at 07:50

REMARKS: Total volume purged during development: 33 gallons. Final turbidity: 20 NTU. Soil in screen zone is a silty SAND, brown, fine grain.

NAME OF PERSON PREPARING REPORT: Neil Stapley, Geosyntec Consultants, Inc., PH: (813) 558-0990

email: nstapley@geosyntec.com

(Name, Organization, Phone No., E-mail)

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160 Government Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way Ste 200B
Jacksonville, FL 32256-7590
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Central District
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407-894-7555

Southwest District
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South District
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239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600



Florida Department of Environmental Protection

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

DEP Form # 62-701.900(30)

Form Title: Monitoring Well Completion Report

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 9/10/2015

FACILITY NAME: JED Solid Waste Management Facility

DEP PERMIT NO.: SO49-0199726-024

WACS FACILITY ID NO.: 89544

WACS MONITORING SITE NUM.: 29180

WACS WELL NO.: MW-27B

WELL TYPE: BACKGROUND ☐

DETECTION ☒

COMPLIANCE ☐

LATITUDE: 28° 03' 33.000" LONGITUDE: -81° 05' 26.035"

(see back for LAT / LONG requirements):

Coordinate Accuracy <1 foot Datum NAD 83 2007 adjust Elevation Datum NGVD29

Collection Method GPS

Collection Date 8/13/2015

Collector Name Deborah L. Peavey

Collector Affiliation Peavey & Associates

AQUIFER MONITORED: Surficial

DRILLING METHOD: Hollow Stem Auger

DATE INSTALLED: 7/31/2015

INSTALLED BY: National Environmental Technology, Inc.

BORE HOLE DIAMETER: 8-in TOTAL DEPTH: 45-ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2-in CASING LENGTH: 10-ft

SCREEN TYPE: PVC SCREEN SLOT SIZE: 0.006 SCREEN LENGTH: 10-ft

SCREEN DIAMETER: 2-in SCREEN INTERVAL: 35-ft TO 45-ft (BLS)

FILTER PACK TYPE: Silica Sand FILTER PACK GRAIN SIZE: 30/45

INTERVAL COVERED: 33-ft TO 45-ft (BLS)

SEALANT TYPE: 30/65 Silica Sand SEALANT INTERVAL: 31-ft TO 33-ft (BLS)

GROUT TYPE: Portland Type I/II GROUT INTERVAL: 0-ft TO 31-ft (BLS)

TOP OF CASING ELEVATION (NGVD): 94.66 GROUND SURFACE ELEVATION (NGVD): 92.10

DESCRIBE WELL DEVELOPMENT: Agitate well, over pump, allow recovery, resume over pump.

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 79.45

DATE AND TIME MEASURED: 8/19/2015 at 07:45

REMARKS: Total volume purged during development: 189 gallons. Final turbidity: 1640 NTU. Soil in screen zone is a silty SAND, brown, fine grain.

NAME OF PERSON PREPARING REPORT: Neil Stapley, Geosyntec Consultants, Inc., PH: (813) 558-0990

email: nstapley@geosyntec.com

(Name, Organization, Phone No., E-mail)

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160 Government Center
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Southeast District
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West Palm Beach, FL 33401
561-681-6600



Florida Department of Environmental Protection

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

DEP Form # 62-701.900(30)

Form Title: Monitoring Well Completion Report

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 8/24/2015

FACILITY NAME: JED Solid Waste Management Facility

DEP PERMIT NO.: SO49-0199726-024

WACS FACILITY ID NO.: 89544

WACS MONITORING SITE NUM.: 29186

WACS WELL NO.: MW-28A

WELL TYPE: BACKGROUND ☐

DETECTION ☒

COMPLIANCE ☐

LATITUDE: 28° 03' 36.209" LONGITUDE: -81° 05' 26.696"

(see back for LAT / LONG requirements):

Coordinate Accuracy <1 foot Datum NAD 83 2007 adjust Elevation Datum NGVD29

Collection Method GPS

Collection Date 8/13/2015

Collector Name Deborah L. Peavey

Collector Affiliation Peavey & Associates

AQUIFER MONITORED: Surficial

DRILLING METHOD: Hollow Stem Auger

DATE INSTALLED: 7/30/2015

INSTALLED BY: National Environmental Technology, Inc.

BORE HOLE DIAMETER: 8-in TOTAL DEPTH: 20-ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2-in CASING LENGTH: 10-ft

SCREEN TYPE: PVC SCREEN SLOT SIZE: 0.006 SCREEN LENGTH: 10-ft

SCREEN DIAMETER: 2-in SCREEN INTERVAL: 10-ft TO 20-ft (BLS)

FILTER PACK TYPE: Silica Sand FILTER PACK GRAIN SIZE: 30/45

INTERVAL COVERED: 8-ft TO 20-ft (BLS)

SEALANT TYPE: 30/65 Silica Sand SEALANT INTERVAL: 6-ft TO 8-ft (BLS)

GROUT TYPE: Portland Type I/II GROUT INTERVAL: 0-ft TO 6-ft (BLS)

TOP OF CASING ELEVATION (NGVD): 94.77 GROUND SURFACE ELEVATION (NGVD): 92.04

DESCRIBE WELL DEVELOPMENT: Agitate well, over pump, allow recovery, resume over pump.

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 78.40

DATE AND TIME MEASURED: 8/18/2015 at 12:50

REMARKS: Total volume purged during development: 34.5 gallons. Final turbidity: 12.1 NTU. Soil in screen zone is a silty SAND, brown, fine grain.

NAME OF PERSON PREPARING REPORT: Neil Stapley, Geosyntec Consultants, Inc., PH: (813) 558-0990

email: nstapley@geosyntec.com

(Name, Organization, Phone No., E-mail)

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DEP Form # 62-701.900(30)

Form Title: Monitoring Well Completion Report

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 8/24/2015

FACILITY NAME: JED Solid Waste Management Facility

DEP PERMIT NO.: SO49-0199726-024 WACS FACILITY ID NO.: 89544

WACS MONITORING SITE NUM.: 29187 WACS WELL NO.: MW-28B

WELL TYPE: BACKGROUND ☐ DETECTION ☒ COMPLIANCE ☐

LATITUDE: 28° 03' 36.252" LONGITUDE: -81° 05' 26.707"

(see back for LAT / LONG requirements):

Coordinate Accuracy <1 foot Datum NAD 83 2007 adjust Elevation Datum NGVD29

Collection Method GPS Collection Date 8/13/2015

Collector Name Deborah L. Peavey Collector Affiliation Peavey & Associates

AQUIFER MONITORED: Surficial

DRILLING METHOD: Hollow Stem Auger DATE INSTALLED: 7/30/2015

INSTALLED BY: National Environmental Technology, Inc.

BORE HOLE DIAMETER: 8-in TOTAL DEPTH: 45-ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2-in CASING LENGTH: 10-ft

SCREEN TYPE: PVC SCREEN SLOT SIZE: 0.006 SCREEN LENGTH: 10-ft

SCREEN DIAMETER: 2-in SCREEN INTERVAL: 35-ft TO 45-ft (BLS)

FILTER PACK TYPE: Silica Sand FILTER PACK GRAIN SIZE: 30/45

INTERVAL COVERED: 33-ft TO 45-ft (BLS)

SEALANT TYPE: 30/65 Silica Sand SEALANT INTERVAL: 31-ft TO 33-ft (BLS)

GROUT TYPE: Portland Type I/II GROUT INTERVAL: 0-ft TO 31-ft (BLS)

TOP OF CASING ELEVATION (NGVD): 94.68 GROUND SURFACE ELEVATION (NGVD): 92.04

DESCRIBE WELL DEVELOPMENT: Agitate well, over pump, allow recovery, resume over pump.

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 78.46

DATE AND TIME MEASURED: 8/18/2015 at 12:50

REMARKS: Total volume purged during development: 150 gallons. Final turbidity: 37 NTU. Soil in screen zone is a silty SAND, brown, fine grain.

NAME OF PERSON PREPARING REPORT: Neil Stapley, Geosyntec Consultants, Inc., PH: (813) 558-0990

email: nstapley@geosyntec.com

(Name, Organization, Phone No., E-mail)

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DEP Form # 62-701.900(30)

Form Title: Monitoring Well Completion Report

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 8/24/2015

FACILITY NAME: JED Solid Waste Management Facility

DEP PERMIT NO.: SO49-0199726-024 WACS FACILITY ID NO.: 89544

WACS MONITORING SITE NUM.: 29189 WACS WELL NO.: MW-29A

WELL TYPE: BACKGROUND ☐ DETECTION ☒ COMPLIANCE ☐

LATITUDE: 28° 03' 39.981" LONGITUDE: -81° 05' 30.307"

(see back for LAT / LONG requirements):

Coordinate Accuracy <1 foot Datum NAD 83 2007 adjust Elevation Datum NGVD29

Collection Method GPS Collection Date 8/13/2015

Collector Name Deborah L. Peavey Collector Affiliation Peavey & Associates

AQUIFER MONITORED: Surficial

DRILLING METHOD: Hollow Stem Auger DATE INSTALLED: 7/31/2015

INSTALLED BY: National Environmental Technology, Inc.

BORE HOLE DIAMETER: 8-in TOTAL DEPTH: 20-ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2-in CASING LENGTH: 10-ft

SCREEN TYPE: PVC SCREEN SLOT SIZE: 0.006 SCREEN LENGTH: 10-ft

SCREEN DIAMETER: 2-in SCREEN INTERVAL: 10-ft TO 20-ft (BLS)

FILTER PACK TYPE: Silica Sand FILTER PACK GRAIN SIZE: 30/45

INTERVAL COVERED: 8-ft TO 20-ft (BLS)

SEALANT TYPE: 30/65 Silica Sand SEALANT INTERVAL: 6-ft TO 8-ft (BLS)

GROUT TYPE: Portland Type I/II GROUT INTERVAL: 0-ft TO 6-ft (BLS)

TOP OF CASING ELEVATION (NGVD): 94.88 GROUND SURFACE ELEVATION (NGVD): 92.20

DESCRIBE WELL DEVELOPMENT: Agitate well, over pump, allow recovery, resume over pump.

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 79.20

DATE AND TIME MEASURED: 8/18/2015 at 09:50

REMARKS: Total volume purged during development: 40.5 gallons. Final turbidity: 1.4 NTU. Soil in screen zone is a silty SAND, brown, fine grain.

NAME OF PERSON PREPARING REPORT: Neil Stapley, Geosyntec Consultants, Inc., PH: (813) 558-0990

email: nstapley@geosyntec.com

(Name, Organization, Phone No., E-mail)

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Florida Department of Environmental Protection

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

DEP Form # 62-701.900(30)

Form Title: Monitoring Well Completion Report

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(3), F.A.C.

MONITORING WELL COMPLETION REPORT

DATE: 8/24/2015

FACILITY NAME: JED Solid Waste Management Facility

DEP PERMIT NO.: SO49-0199726-024

WACS FACILITY ID NO.: 89544

WACS MONITORING SITE NUM.: 29190

WACS WELL NO.: MW-29B

WELL TYPE: BACKGROUND ☐

DETECTION ☒

COMPLIANCE ☐

LATITUDE: 28° 03' 39.998" LONGITUDE: -81° 05' 30.342"

(see back for LAT / LONG requirements):

Coordinate Accuracy <1 foot Datum NAD 83 2007 adjust Elevation Datum NGVD29

Collection Method GPS

Collection Date 8/13/2015

Collector Name Deborah L. Peavey

Collector Affiliation Peavey & Associates

AQUIFER MONITORED: Surficial

DRILLING METHOD: Hollow Stem Auger

DATE INSTALLED: 7/31/2015

INSTALLED BY: National Environmental Technology, Inc.

BORE HOLE DIAMETER: 8-in TOTAL DEPTH: 45-ft (BLS)

CASING TYPE: PVC CASING DIAMETER: 2-in CASING LENGTH: 10-ft

SCREEN TYPE: PVC SCREEN SLOT SIZE: 0.006 SCREEN LENGTH: 10-ft

SCREEN DIAMETER: 2-in SCREEN INTERVAL: 35-ft TO 45-ft (BLS)

FILTER PACK TYPE: Silica Sand FILTER PACK GRAIN SIZE: 30/45

INTERVAL COVERED: 33-ft TO 45-ft (BLS)

SEALANT TYPE: 30/65 Silica Sand SEALANT INTERVAL: 31-ft TO 33-ft (BLS)

GROUT TYPE: Portland Type I/II GROUT INTERVAL: 0-ft TO 31-ft (BLS)

TOP OF CASING ELEVATION (NGVD): 94.67 GROUND SURFACE ELEVATION (NGVD): 92.20

DESCRIBE WELL DEVELOPMENT: Agitate well, over pump, allow recovery, resume over pump.

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): 78.68

DATE AND TIME MEASURED: 8/18/2015 at 09:40

REMARKS: Total volume purged during development: 110 gallons. Final turbidity: 8.2 NTU. Soil in screen zone is a silty SAND, brown, fine grain.

NAME OF PERSON PREPARING REPORT: Neil Stapley, Geosyntec Consultants, Inc., PH: (813) 558-0990

email: nstapley@geosyntec.com

(Name, Organization, Phone No., E-mail)

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Southwest District
13051 N. Telecom Pky.
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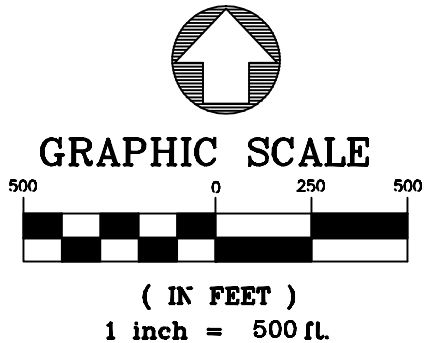
South District
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Southeast District
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APPENDIX D

Monitoring Well Survey

MONITOR WELL NUMBER	MONITOR WELL POINT NUMBER	MONITOR WELL LATITUDE	MONITOR WELL LONGITUDE	MONITOR WELL NORTHING	MONITOR WELL EASTING	LID ELEVATION NGVD29	LID ELEVATION NAVD88	CASING ELEVATION NGVD29	CASING ELEVATION NAVD88	PVC ELEVATION NGVD29	PVC ELEVATION NAVD88	SET PK POINT NUMBER	PK LATITUDE	PK LONGITUDE	PK NORTHING	PK EASTING	PK ELEVATION NGVD29	PK ELEVATION NAVD88
MW27A	1525588	28°03'32.956"	-81°05'26.032"	1354221.0	626958.4	94.79	93.68	94.70	93.59	94.68	93.57	1525587	28°03'32.982"	-81°05'26.016"	1354223.66	626959.84	92.10	90.99
MW27B	1525589	28°03'33.000"	-81°05'26.035"	1354225.5	626958.1	94.75	93.64	94.68	93.57	94.66	93.55							
MW28A	1525582	28°03'36.209"	-81°05'26.696"	1354549.6	626899.1	94.82	93.71	94.79	93.68	94.77	93.66	1525580	28°03'36.238"	-81°05'26.689"	1354552.56	626899.83	92.04	90.93
MW28B	1525584	28°03'36.252"	-81°05'26.707"	1354554.0	626898.2	94.78	93.67	94.70	93.59	94.68	93.57							
MW29A	1525572	28°03'39.981"	-81°05'30.307"	1354930.8	626575.9	95.08	93.97	94.90	93.79	94.88	93.77	1525569	28°03'40.003"	-81°05'30.320"	1354933.05	626574.78	92.20	91.09
MW29B	1525570	28°03'39.998"	-81°05'30.342"	1354932.6	626572.8	94.74	93.63	94.69	93.58	94.67	93.56							



- LEGEND:
- | | |
|-------|--------------|
| NO. | NUMBER |
| ELEV. | ELEVATION |
| CONC. | CONCRETE |
| MW | MONITOR WELL |
| ● | MONITOR WELL |

SURVEYOR's NOTES:

- 1.) North and coordinate basis is the East Zone of the Florida State Plane Coordinate System, and are based on NGS Control Station Numbers AJ7660(J496) and verified Pickett & Associates Targets 1 and 2 from Topographic Survey dated 12/13/01 as provided. The published values used for this survey are NAD 83 2007 adjustment. The Mapping data shown hereon is based on Pickett & Associates Survey as provided by client.
- 2.) Vertical information depicted on this report are GPS derived elevations based on the National Geodetic Vertical Datum of 1929 (NGVD29) utilizing site control as provided PK13 with an elevation of 92.92 and OC1406 with an elevation of 80.91.

REVISION		DATE	
NO.			
THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.			
FILE NAME		asb_jed MONITOR WELLS 2015	

Peavey & Associates
SURVEYING & MAPPING PA
690 Alice Place
BARTOW, FL 33830
PHONE: 863-738-4960
FLORIDA BUSINESS NO.7779

CLIENT:
Omni Waste of Osceola County, LLC
Waste Services, Inc.
1501 Omni Way
St. Cloud, FL 34773

**ASBUILT SURVEY MONITOR WELLS
27A&B 28A&B 29A&B 2015 AT JED
SOLID WASTE MANGEMENT FACILITY
1501 OMNI WAY ST. CLOUD, FLORIDA**

DEBORAH L. PEAVEY, P.S.M.
FLORIDA REGISTRATION
NUMBER 6345
FLORIDA BUSINESS
NUMBER 7779
8/13/2015
SURVEY DATES

PROJECT	DRAWING NO.	SHEET
1009	300	1

APPENDIX E

Water Quality Monitoring Certification Form



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. Soild 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 SO49-0199726-022
- (4) Authorized Representative's Name Mike Kaiser Title 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.

9/16/15

(Date)

Michael Kaiser

(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Progressive Waste Solutions of FL, Inc.
Analytical Lab NELAC / HRS Certification # E82502
Lab Name ALS Environmental
Address 9143 Philips Highway, Suite 200 Jacksonville, Florida 32256
Phone Number (904) 739-2277
Email address (if available) Craig.Myers@ALSGlobal.com

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South District
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Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600



Progressive Waste Solutions
2301 Eagle Parkway, Suite 200
Fort Worth, TX 76177

June 1, 2015

To Whom it May Concern:

I, Kevin C. Walbridge, hereby certify that I am a responsible corporate officer of Omni Waste of Osceola County, LLC. I hereby duly authorize Michael Kaiser, whose signature appears below, to be my representative and authorize him to sign all permit applications, modifications, and financial assurance and reporting documents for Omni Waste of Osceola County, LLC.

Sincerely,

A handwritten signature in black ink, appearing to read "K.C. Walbridge", written over a horizontal line.

Kevin C. Walbridge
President
Omni Waste of Osceola County, LLC

A handwritten signature in blue ink, appearing to read "Michael Kaiser", written over a horizontal line.

Michael Kaiser
Authorized Agent

Notary:



A handwritten signature in blue ink, appearing to read "Jennifer Marshall", written over a horizontal line.

APPENDIX F

Groundwater Sampling Logs

DEP 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-27A</u>	SAMPLE ID: <u>MW-27A</u>	DATE: <u>8-19-15</u>	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: <u>13</u> feet to <u>23</u> feet	STATIC DEPTH TO WATER (feet): <u>16.08</u>	PURGE PUMP TYPE OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (<u>23.62</u> feet - <u>16.08</u> feet) X 0.16 gallons/foot = <u>1.2</u> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0 gallons + (0.0014 gallons/foot X <u>10</u> feet) + 0.12 gallons = <u>0.014</u> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>20</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>20</u>	PURGING INITIATED AT: <u>0755</u>	PURGING ENDED AT: <u>0845</u>	TOTAL VOLUME PURGED (gallons): <u>5</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)
<u>0825</u>	<u>3</u>	<u>3</u>	<u>0.1</u>	<u>16.71</u>	<u>5.76</u>	<u>25.52</u>	<u>184</u>	<u>0.23</u>	<u>20</u>	<u>clear</u>	<u>124.2</u>
<u>0835</u>	<u>1</u>	<u>4</u>	<u>0.1</u>	<u>16.71</u>	<u>5.79</u>	<u>25.51</u>	<u>194</u>	<u>0.18</u>	<u>12.5</u>	<u>clear</u>	<u>120.8</u>
<u>0840</u>	<u>0.5</u>	<u>4.5</u>	<u>0.1</u>	<u>16.71</u>	<u>5.79</u>	<u>25.51</u>	<u>195</u>	<u>0.19</u>	<u>12</u>	<u>clear</u>	<u>121.0</u>
<u>0845</u>	<u>0.5</u>	<u>5</u>	<u>0.1</u>	<u>16.71</u>	<u>5.80</u>	<u>25.51</u>	<u>195</u>	<u>0.18</u>	<u>10.7</u>	<u>clear</u>	<u>121.4</u>
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 <u>Don Thompson / Weibu, LLC</u>				SAMPLER(S) SIGNATURE(S): <u>Joe Terry</u>				SAMPLING INITIATED AT: <u>0845</u>		SAMPLING ENDED AT: <u>0920</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>20</u>				TUBING MATERIAL CODE: HDPE				FIELD-FILTERED: Y <u>(N)</u>		FILTER SIZE: <u> </u> µm	
FIELD DECONTAMINATION: PUMP No				TUBING <u>(No)</u> (replaced)				DUPLICATE: Y <u>(N)</u>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				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					
<u>MW-27A</u>	<u>3</u>	<u>CG</u>	<u>40 ml</u>	<u>HCL</u>	<u>Prefilled by lab</u>		<u>8260</u>	<u>APP</u>	<u>150</u>		
	<u>3</u>	<u>CG</u>	<u>40 ml</u>	<u>None</u>	<u>None</u>		<u>8011</u>	<u>APP</u>	<u>150</u>		
	<u>1</u>	<u>PE</u>	<u>500 ml</u>	<u>HNO3</u>	<u>Prefilled by lab</u>		<u>Metals</u>	<u>APP</u>	<u>400</u>		
	<u>1</u>	<u>PE</u>	<u>125 ml</u>	<u>H2SO4</u>	<u>Prefilled by lab</u>		<u>NH3</u>	<u>APP</u>	<u>400</u>		
	<u>1</u>	<u>PE</u>	<u>500 ml</u>	<u>None</u>	<u>None</u>		<u>TDS, Cl, NO3</u>	<u>APP</u>	<u>400</u>		
	<u>1</u>	<u>PE</u>	<u>250mL</u>	<u>NaOH</u>	<u>Prefilled by lab</u>		<u>Cyanide</u>	<u>APP</u>	<u>400</u>		
	<u>1</u>	<u>PE</u>	<u>250mL</u>	<u>NaOH & ZnAc</u>	<u>Prefilled by lab</u>		<u>Sulfide</u>	<u>APP</u>	<u>400</u>		
	<u>7</u>	<u>AG</u>	<u>1000mL</u>	<u>None</u>	<u>None</u>		<u>8270, 8081, 8082, 8151</u>	<u>APP</u>	<u>400</u>		
<u>MW-27A</u>	<u>3</u>	<u>CG</u>	<u>40mL</u>	<u>None</u>	<u>None</u>		<u>505</u>	<u>APP</u>	<u>150</u>		
REMARKS: Weather: <u>clear, 80°F</u>											
Odor: <u>none</u> <u>in situ turbidity: 4.3 NTU</u>											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) 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)

DEP 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: MW-27B	SAMPLE ID: MW-27B	DATE: 8-19-15	

PURGING DATA

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): 0.375		WELL SCREEN INTERVAL DEPTH: 36 feet TO 46 feet		STATIC DEPTH TO WATER (feet): 16.21		PURGE PUMP TYPE OR BAILER: ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (46.77 \text{ feet} - 16.21 \text{ feet}) \times 0.16 \text{ gallons/foot} = 4.8 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= 0 \text{ gallons} + (0.006 \text{ gallons/foot} \times 60 \text{ feet}) + 0.12 \text{ gallons} = 0.5 \text{ gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 41			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 41			PURGING INITIATED AT: 0730		PURGING ENDED AT: 0957		TOTAL VOLUME PURGED (gallons): 151.2	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. ($^{\circ}\text{C}$)	COND. ($\mu\text{S/cm}$)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUS)	COLOR (describe)	ORP (mV)
0731	1.44	1.44	1.2	28.43	6.51	24.49	190	0.24	1048	TAN	119.5
0734	2.4	147.0	1.2	28.43	6.51	24.45	189	0.24	1044	Tanl	119.6
0757	2.0	151.2	1.2	28.43	6.50	24.43	190	0.25	1040	Tanl	119.1
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 <i>Don Thompson / Weibo, LLC</i>				SAMPLER(S) SIGNATURE(S): <i>Joe Terry, DTS</i>			SAMPLING INITIATED AT: <i>1000</i>		SAMPLING ENDED AT: <i>1040</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>41</i>				TUBING MATERIAL CODE: HDPE			FIELD-FILTERED <i>(Y)</i> N Filtration Equipment Type: <i>metals only</i>		FILTER SIZE: <i>1</i> µm	
FIELD DECONTAMINATION: PUMP Yes				TUBING Y <i>(N)</i> (replaced)			DUPLICATE: Y <i>(N)</i>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
<i>MW-27B</i>	3	CG	40 ml	HCL	Prefilled by lab		8260		ESP	
	3	CG	40 ml	None	None		8011		ESP	
	1	PE	500 ml	HNO3	Prefilled by lab		Metals		ESP	
	1	PE	125 ml	H2SO4	Prefilled by lab		NH3		ESP	
	1	PE	500 ml	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	
<i>MW-27B</i>	3	CG	40mL	None	None		505		ESP	
REMARKS: Weather: <i>Clear, 80°F</i> <i>collected 1-500 mL PG for Dissolved Metals. Turbidity after filter: 279 NTU</i>										
Odor: <i>none</i> <i>initial turbidity: > 3,000 NTU</i>										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

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

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-28A	SAMPLE ID: MW-28A	DATE: 8-18-15	

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 14 feet to 24 feet	STATIC DEPTH TO WATER (feet): 16.37	PURGE PUMP TYPE OR BAILER: PP
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EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= 0 gallons + (0.0014 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20	PURGING INITIATED AT: 1255	PURGING ENDED AT: 1350	TOTAL VOLUME PURGED (gallons): 5.5
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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)

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / PWSFL <i>Don Thompson</i>		SAMPLER(S) SIGNATURE(S): <i>Joe Terry</i>		SAMPLING INITIATED AT: 1350	SAMPLING ENDED AT: 1420
PUMP OR TUBING DEPTH IN WELL (feet): 20		TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y (N)	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No		TUBING No (replaced)		DUPLICATE: Y (N)	

REMARKS: Weather: M. Sunny, 90°F

Odor: none initial turbidity: 5 NTU

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) 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)

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

Revision Date: March 1, 2014

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)		SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-28B	SAMPLE ID: MW-28B	DATE: 8-18-15	

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 38 feet to 48 feet	STATIC DEPTH TO WATER (feet): 16.22	PURGE PUMP TYPE OR BAILER: ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (48.65 \text{ feet} - 16.22 \text{ feet}) \times 0.16 \text{ gallons/foot} = 5.2 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= 0 \text{ gallons} + (0.006 \text{ gallons/foot} \times 65 \text{ feet}) + 0.12 \text{ gallons} = 0.5 \text{ gallons}$				

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)									

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / PWSFL Don Thompson/Weiibu, LLC		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1450		SAMPLING ENDED AT: 1525	
PUMP OR TUBING DEPTH IN WELL (feet): 43		TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP Yes		TUBING Y (N) (replaced)		DUPLICATE: Y (N)			

REMARKS: Weather: <i>m. Sunny 90°F</i>	
Odor: <i>none</i> <i>initial turbidity: 314 NTU</i>	
MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES:	APP = After (Through) 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)

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 $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP 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-29A</u>	SAMPLE ID: <u>MW-29A</u>	DATE: <u>August 18, 2015</u>	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 15.68	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (23.73 \text{ feet} - 15.68 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.3 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= 0 \text{ gallons} + (0.0014 \text{ gallons/foot} \times \text{feet}) + 0.12 \text{ gallons} = \text{gallons}$				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20	PURGING INITIATED AT: 0955	PURGING ENDED AT: 1150	TOTAL VOLUME PURGED (gallons): 11.5

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)
1140	10.5	10.5	0.1	15.96	5.56	25.42	168	0.29	1.4	clear	57.0
1145	0.5	11	0.1	15.96	5.57	25.47	167	0.29	1.2	clear	55.0
1150	0.5	11.5	0.1	15.96	5.57	25.41	168	0.27	1.5	clear	55.8

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 <u>Don Thompson</u>		SAMPLER(S) SIGNATURE(S): <u>Joe Terry</u>		SAMPLING INITIATED AT: 1150	SAMPLING ENDED AT: 1225
PUMP OR TUBING DEPTH IN WELL (feet): 20		TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y <u>N</u>	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP No		TUBING No (replaced)		DUPLICATE: Y <u>N</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			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			
<u>MW-29A</u>	3	CG	40 ml	HCL	Prefilled by lab		8260	APP	150
	3	CG	40 ml	None	None		8011	APP	150
	1	PE	500 ml	HNO3	Prefilled by lab		Metals	APP	380
	1	PE	125 ml	H2SO4	Prefilled by lab		NH3	APP	380
	1	PE	500 ml	None	None		TDS, Cl, NO3	APP	380
	1	PE	250mL	NaOH	Prefilled by lab		Cyanide	APP	380
	1	PE	250mL	NaOH & ZnAc	Prefilled by lab		Sulfide	APP	380
	7	AG	1000mL	None	None		8270,8081,8082, 8151	APP	380
<u>MW-29A</u>	3	CG	40mL	None	None		505	APP	150

REMARKS: Weather: clear, 82°F
 Odor: none
initial turbidity: 61 NTU

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
 S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) 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)

DEP 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: MW-29B	SAMPLE ID: MW-29B	DATE: Aug 10, 2015	

PURGING DATA

PUMPING DATA						STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER: ESP			
WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): 0.375		WELL SCREEN INTERVAL DEPTH: 38 feet to 48 feet							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (48.81 feet - 15.99 feet) X 0.16 gallons/foot = 5.3 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0 gallons + (0.006 gallons/foot X 70 feet) + 0.12 gallons = 0.54 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43			PURGING INITIATED AT: 0945		PURGING ENDED AT: 1100	TOTAL VOLUME PURGED (gallons): 7.5		
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)
1050	65	65	1	22.44	5.29	24.66	258	0.96	8.2	clear	73.4
1055	5	70	1	22.44	5.28	24.55	257	0.75	8.1	clear	73.5
1100	5	75	1	22.44	5.28	24.58	257	0.70	7.6	clear	73.9
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 <i>Don Thompson</i>				SAMPLER(S) SIGNATURE(S): <i>Joe Terry, Don Thompson</i>			SAMPLING INITIATED AT: <i>1100</i>		SAMPLING ENDED AT: <i>1130</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>43</i>				TUBING MATERIAL CODE: HDPE		FIELD-FILTERED: Y <i>N</i> Filtration Equipment Type:		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Yes				TUBING Y <i>N</i> (replaced)			DUPLICATE: Y <i>N</i>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
<i>MW 2913</i>	3	CG	40 ml	HCL	Prefilled by lab		8260	ESP	<i>150</i>	
	3	CG	40 ml	None	None		8011	ESP	<i>150</i>	
	1	PE	500 ml	HNO3	Prefilled by lab		Metals	ESP	<i>400</i>	
	1	PE	125 ml	H2SO4	Prefilled by lab		NH3	ESP	<i>400</i>	
	1	PE	500 ml	None	None		TDS, Cl, NO ₃	ESP	<i>400</i>	
	1	PE	250mL	NaOH	Prefilled by lab		Cyanide	ESP	<i>400</i>	
	1	PE	250mL	NaOH & ZnAc	Prefilled by lab		Sulfide	ESP	<i>400</i>	
	7	AG	1000mL	None	None		8270,8081,8082, 8151	ESP	<i>400</i>	
<i>MW 2913</i>	3	CG	40mL	None	None		505	ESP	<i>150</i>	
REMARKS: Weather: <i>clear, 82°F</i>										
Odor: <i>none</i> <i>metal turbidity: > 3,000 NTU</i>										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) 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)

APPENDIX G

Calibration Logs

Field Instrument Calibration Record

Site: JED Date: 8-17-15

Water Quality Instrument Make: YSI Instrument Model Number: 556 Instrument Serial Number: 06A2173AM

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

Time: 1840

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						
141008A	Oct. 2015	pH = 4.00	4.00	0	0.2	Y	I	JT
1410088	April 2016	pH = 7.00	7.00	0	0.2	Y	I	
140820C	March 2016	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C470047	Dec 2015	Turbidity = 10 NTU	9.97	0.3	10%	Y	I	JT
5AB719	Feb 2016	Conductivity = 84 µS/cm	85	1.2	5%	Y	C	
140819A	Aug. 2015	Conductivity = 500 µS/cm	504	0.8	5%	Y	C	
141125E	Dec. 2015	Conductivity = 1,000 µS/cm	1004	0.4	5%	Y	C	
	Per Table →	D.O. = 8.07 mg/L @ 26.3°C	8.13	0.06	0.2 mg/l	Y	I	

Date: 8-19-15 Time: 0600

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						
141008A	Oct. 2015	pH = 4.00	4.09	0.09	0.2	Y	C	JT
1410088	April 2016	pH = 7.00	6.95	0.05	0.2	Y	C	
140820C	March 2016	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C470047	Dec 2015	Turbidity = 10 NTU	10.12	1.2	10%	Y	C	JT
5AB719	Feb 2016	Conductivity = 84 µS/cm	87	3.6	5%	Y	C	
140819A	Aug. 2015	Conductivity = 500 µS/cm	515	3	5%	Y	C	
141125E	Dec. 2015	Conductivity = 1,000 µS/cm	1009	0.9	5%	Y	C	
	Per Table →	D.O. = 8.18 mg/L @ 21.5°C	8.60	0.02	0.2 mg/l	Y	I	

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: 8-19-15

Water Quality Instrument Make: YSI Instrument Model Number: 556 Instrument Serial Number: 06A2173AM

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

Time: 1630

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						
141008A	Oct. 2015	pH = 4.00	4.12	0.12	0.2	y	C	JST
1410088	April 2016	pH = 7.00	6.92	0.08	0.2	y	C	
140820C	March 2016	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C470047	Dec 2015	Turbidity = 10 NTU	10.2	2	10%	y	C	JST
5AB719	Feb 2016	Conductivity = 84 µS/cm	86	2.4	5%	y	C	
140819A	Aug. 2015	Conductivity = 500 µS/cm	513	2.6	5%	y	C	
141125E	Dec. 2015	Conductivity = 1,000 µS/cm	1022	2.2	5%	y	C	
	Per Table →	D.O. = 7.95 mg/L @ 27.1 °C	8.01	0.06	0.2 mg/l	y	F	

Date: _____ Time: _____

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						
141008A	Oct. 2015	pH = 4.00			0.2			
1410088	April 2016	pH = 7.00			0.2			
140820C	March 2016	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C470047	Dec 2015	Turbidity = 10 NTU			10%			
5AB719	Feb 2016	Conductivity = 84 µS/cm			5%			
140819A	Aug. 2015	Conductivity = 500 µS/cm			5%			
141125E	Dec. 2015	Conductivity = 1,000 µS/cm			5%			
	Per Table →	D.O. = mg/L @ °C			0.2 mg/l			

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 H

Laboratory Chain-of-Custody



PAGE / OF /

CAS Contract

Distribution: White - Return to Originator; Yellow - Retained by Client

APPENDIX I

Analytical Laboratory Results



September 10, 2015

Service Request No:J1506641

Mike Kaiser
Progressive Waste Services of Florida, Inc.
1501 Omni Way
St Cloud, FL 34773

Laboratory Results for: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)

Dear Mike,

Enclosed are the results of the sample(s) submitted to our laboratory August 19, 2015
For your reference, these analyses have been assigned our service request number **J1506641**.

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

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506641
Date Received: 8/19/15

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 QC 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 were received for analysis at ALS Environmental on 8/19/15. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}\text{C}$ upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

Method 8260B: The lower control criterion was exceeded for the following analyte in the Laboratory Control Samples (LCS/DLCS) JQ1506277-01 and -02: Iodomethane. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Semi-Volatile Organic Analyses:

Method 8011: The lower control criterion was exceeded for the following surrogate in Method Blank JQ1506391-01: 1,1,1,2-Tetrachloroethane. No target analytes were detected in the Method Blank. The problem indicates a potential negative bias to the Method Blank results. No further corrective action was taken.

Method 8270C: The spike recoveries of several analytes for Laboratory Control Sample (LCS) JQ1506350-02 were outside the lower control criterion. The analytes in question were not detected in the associated field samples. The error associated with reduced recovery equates to a potential low bias. 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 for Organophosphorus Pesticides and Herbicides determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

The samples were delivered to Pace Analytical in Ormond Beach, FL for Various Methods determination. The certified analytical

Approved by  Date 9/10/2015

report has been included in its entirety in Appendix B: Subcontracted Analytical Results.

Approved by  Date 9/10/2015

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Department of Defense	66206	9/20/2016
Florida Department of Health	E82502	6/30/2016
Georgia Department of Natural Resources	958	6/30/2016
Kentucky Division of Waste Management	63	6/30/2016
Louisiana Department of Environmental Quality	02086	6/30/2016
Maine Department of Health and Human Services	2015002	2/3/2017
North Carolina Department of Environment and Natural Resources	527	12/31/2015
Pennsylvania Department of Environmental Protection	68-04835	8/31/2016
South Carolina Department of Health and Environmental Control	96021001	6/30/2016
Texas Commision on Environmental Quality	T104704197-13-5	5/31/2016
Virginia Environmental Accreditation Program	460191	12/14/2015

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: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544

Service Request:J1506641

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1506641-001	MW-28A	8/18/2015	1350
J1506641-002	MW-28B	8/18/2015	1450
J1506641-003	MW-29A	8/18/2015	1150
J1506641-004	MW-29B	8/18/2015	1100
J1506641-005	MW-28A	8/18/2015	1350
J1506641-006	MW-28B	8/18/2015	1450
J1506641-007	MW-29A	8/18/2015	1150
J1506641-008	MW-29B	8/18/2015	1100

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

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	08/20/15 11:52	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 11:52	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 11:52	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 11:52	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 11:52	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 11:52	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 11:52	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 11:52	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 11:52	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 11:52	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 11:52	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 11:52	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 11:52	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 11:52	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 11:52	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 11:52	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 11:52	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 11:52	
2-Butanone (MEK)	8.3 I	10	3.8	1	08/20/15 11:52	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 11:52	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 11:52	
Acetone	16 I	50	5.6	1	08/20/15 11:52	
Acetonitrile	18 U	25	18	1	08/20/15 11:52	
Acrolein	28 U	50	28	1	08/20/15 11:52	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 11:52	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 11:52	
Benzene	0.21 U	1.0	0.21	1	08/20/15 11:52	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 11:52	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 11:52	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 11:52	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 11:52	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 11:52	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 11:52	
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 11:52	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 11:52	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 11:52	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 11:52	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 11:52	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 11:52	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 11:52	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 11:52	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 11:52	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 11:52	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

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	08/20/15 11:52	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 11:52	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 11:52	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 11:52	*
Isobutyl Alcohol	43 U	100	43	1	08/20/15 11:52	
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 11:52	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 11:52	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 11:52	
Methylene Chloride	0.21 U	5.0	0.21	1	08/20/15 11:52	
Naphthalene	0.38 U	10	0.38	1	08/20/15 11:52	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 11:52	
Propionitrile	3.9 U	25	3.9	1	08/20/15 11:52	
Styrene	0.29 U	1.0	0.29	1	08/20/15 11:52	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 11:52	
Toluene	0.19 U	1.0	0.19	1	08/20/15 11:52	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 11:52	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 11:52	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 11:52	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 11:52	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 11:52	
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 11:52	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 11:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	08/20/15 11:52	
4-Bromofluorobenzene	94	86 - 113	08/20/15 11:52	
Dibromofluoromethane	103	86 - 112	08/20/15 11:52	
Toluene-d8	99	88 - 115	08/20/15 11:52	

ALS Group USA, Corp.
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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

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	08/25/15 14:11	8/24/15	
1,2,4-Trichlorobenzene	0.667 U	5.56	0.667	1	08/25/15 14:11	8/24/15	
1,2-Dichlorobenzene	0.712 U	5.56	0.712	1	08/25/15 14:11	8/24/15	
1,3,5-Trinitrobenzene	1.67 U	5.56	1.67	1	08/25/15 14:11	8/24/15	
1,3-Dichlorobenzene	1.03 U	5.56	1.03	1	08/25/15 14:11	8/24/15	
1,3-Dinitrobenzene	0.712 U	11.1	0.712	1	08/25/15 14:11	8/24/15	
1,4-Dichlorobenzene	1.02 U	5.56	1.02	1	08/25/15 14:11	8/24/15	
1,4-Naphthoquinone	1.78 U	11.1	1.78	1	08/25/15 14:11	8/24/15	
1-Naphthylamine	2.23 U	5.56	2.23	1	08/25/15 14:11	8/24/15	
2,3,4,6-Tetrachlorophenol	1.78 U	5.56	1.78	1	08/25/15 14:11	8/24/15	
2,4,5-Trichlorophenol	1.45 U	5.56	1.45	1	08/25/15 14:11	8/24/15	
2,4,6-Trichlorophenol	0.989 U	5.56	0.989	1	08/25/15 14:11	8/24/15	
2,4-Dichlorophenol	1.34 U	5.56	1.34	1	08/25/15 14:11	8/24/15	
2,4-Dimethylphenol	1.67 U	5.56	1.67	1	08/25/15 14:11	8/24/15	
2,4-Dinitrophenol	0.845 U	22.2	0.845	1	08/25/15 14:11	8/24/15	
2,4-Dinitrotoluene	1.45 U	5.56	1.45	1	08/25/15 14:11	8/24/15	
2,6-Dichlorophenol	1.45 U	11.1	1.45	1	08/25/15 14:11	8/24/15	
2,6-Dinitrotoluene	1.23 U	5.56	1.23	1	08/25/15 14:11	8/24/15	
2-Acetylaminofluorene	1.07 U	5.56	1.07	1	08/25/15 14:11	8/24/15	
2-Chloronaphthalene	5.12 U	5.56	5.12	1	08/25/15 14:11	8/24/15	
2-Chlorophenol	1.34 U	5.56	1.34	1	08/25/15 14:11	8/24/15	
2-Methylnaphthalene	0.701 U	5.56	0.701	1	08/25/15 14:11	8/24/15	
2-Methylphenol	1.45 U	5.56	1.45	1	08/25/15 14:11	8/24/15	
2-Naphthylamine	2.56 U	5.56	2.56	1	08/25/15 14:11	8/24/15	
2-Nitroaniline	1.67 U	5.56	1.67	1	08/25/15 14:11	8/24/15	
2-Nitrophenol	1.56 U	22.2	1.56	1	08/25/15 14:11	8/24/15	
3- and 4-Methylphenol Coelution	1.12 U	5.56	1.12	1	08/25/15 14:11	8/24/15	
3,3'-Dichlorobenzidine	1.56 U	22.2	1.56	1	08/25/15 14:11	8/24/15	
3,3'-Dimethylbenzidine	5.34 U	22.2	5.34	1	08/25/15 14:11	8/24/15	*
3-Methylcholanthrene	1.56 U	5.56	1.56	1	08/25/15 14:11	8/24/15	
3-Nitroaniline	1.23 U	5.56	1.23	1	08/25/15 14:11	8/24/15	
4,6-Dinitro-2-methylphenol	1.12 U	22.2	1.12	1	08/25/15 14:11	8/24/15	
4-Aminobiphenyl	2.12 U	5.56	2.12	1	08/25/15 14:11	8/24/15	*
4-Bromophenyl Phenyl Ether	1.45 U	5.56	1.45	1	08/25/15 14:11	8/24/15	
4-Chloro-3-methylphenol	2.00 U	5.56	2.00	1	08/25/15 14:11	8/24/15	
4-Chloroaniline	1.56 U	5.56	1.56	1	08/25/15 14:11	8/24/15	
4-Chlorophenyl Phenyl Ether	1.07 U	5.56	1.07	1	08/25/15 14:11	8/24/15	
4-Nitroaniline	1.12 U	5.56	1.12	1	08/25/15 14:11	8/24/15	
4-Nitrophenol	2.00 U	22.2	2.00	1	08/25/15 14:11	8/24/15	
5-Nitro-o-toluidine	1.23 U	5.56	1.23	1	08/25/15 14:11	8/24/15	
7,12-Dimethylbenz(a)anthracene	1.34 U	5.56	1.34	1	08/25/15 14:11	8/24/15	
Acenaphthene	4.67 U	5.56	4.67	1	08/25/15 14:11	8/24/15	
Acenaphthylene	1.10 U	5.56	1.10	1	08/25/15 14:11	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

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	08/25/15 14:11	8/24/15	
Anthracene	1.78 U	5.56	1.78	1	08/25/15 14:11	8/24/15	
Benz(a)anthracene	1.12 U	5.56	1.12	1	08/25/15 14:11	8/24/15	
Benzo(a)pyrene	1.34 U	5.56	1.34	1	08/25/15 14:11	8/24/15	
Benzo(b)fluoranthene	1.12 U	5.56	1.12	1	08/25/15 14:11	8/24/15	
Benzo(g,h,i)perylene	1.56 U	5.56	1.56	1	08/25/15 14:11	8/24/15	
Benzo(k)fluoranthene	2.00 U	5.56	2.00	1	08/25/15 14:11	8/24/15	
Benzyl Alcohol	1.56 U	5.56	1.56	1	08/25/15 14:11	8/24/15	
Bis(2-chloroethoxy)methane	1.34 U	5.56	1.34	1	08/25/15 14:11	8/24/15	
Bis(2-chloroethyl) Ether	2.12 U	5.56	2.12	1	08/25/15 14:11	8/24/15	
Bis(2-chloroisopropyl) Ether	1.67 U	5.56	1.67	1	08/25/15 14:11	8/24/15	
Bis(2-ethylhexyl) Phthalate	1.67 U	5.56	1.67	1	08/25/15 14:11	8/24/15	
Butyl Benzyl Phthalate	0.956 U	11.1	0.956	1	08/25/15 14:11	8/24/15	
Chlorobenzilate	1.00 U	11.1	1.00	1	08/25/15 14:11	8/24/15	
Chrysene	1.34 U	5.56	1.34	1	08/25/15 14:11	8/24/15	
Diallate	1.89 U	5.56	1.89	1	08/25/15 14:11	8/24/15	
Dibenz(a,h)anthracene	1.67 U	5.56	1.67	1	08/25/15 14:11	8/24/15	
Dibenzofuran	1.45 U	5.56	1.45	1	08/25/15 14:11	8/24/15	
Diethyl Phthalate	1.89 U	5.56	1.89	1	08/25/15 14:11	8/24/15	
Dimethyl Phthalate	1.45 U	5.56	1.45	1	08/25/15 14:11	8/24/15	
Di-n-butyl Phthalate	2.45 U	5.56	2.45	1	08/25/15 14:11	8/24/15	
Di-n-octyl Phthalate	3.12 U	5.56	3.12	1	08/25/15 14:11	8/24/15	
Diphenylamine + n-Nitrosodiphenylamine	1.23 U	5.56	1.23	1	08/25/15 14:11	8/24/15	
Ethyl Methanesulfonate	1.78 U	5.56	1.78	1	08/25/15 14:11	8/24/15	
Fluoranthene	1.56 U	5.56	1.56	1	08/25/15 14:11	8/24/15	
Fluorene	0.934 U	5.56	0.934	1	08/25/15 14:11	8/24/15	
Hexachlorobenzene	1.89 U	5.56	1.89	1	08/25/15 14:11	8/24/15	
Hexachlorobutadiene	1.34 U	5.56	1.34	1	08/25/15 14:11	8/24/15	
Hexachlorocyclopentadiene	0.556 U	5.56	0.556	1	08/25/15 14:11	8/24/15	
Hexachloroethane	0.901 U	5.56	0.901	1	08/25/15 14:11	8/24/15	
Hexachloropropene	1.02 U	5.56	1.02	1	08/25/15 14:11	8/24/15	
Indeno(1,2,3-cd)pyrene	1.89 U	5.56	1.89	1	08/25/15 14:11	8/24/15	
Isodrin	2.00 U	11.1	2.00	1	08/25/15 14:11	8/24/15	
Isophorone	2.00 U	5.56	2.00	1	08/25/15 14:11	8/24/15	
Isosafrole	1.10 U	5.56	1.10	1	08/25/15 14:11	8/24/15	
Kepone	4.23 U	55.6	4.23	1	08/25/15 14:11	8/24/15	*
Methapyrilene	3.67 U	5.56	3.67	1	08/25/15 14:11	8/24/15	
Methyl Methanesulfonate	1.78 U	5.56	1.78	1	08/25/15 14:11	8/24/15	
Naphthalene	0.589 U	5.56	0.589	1	08/25/15 14:11	8/24/15	
Nitrobenzene	2.34 U	5.56	2.34	1	08/25/15 14:11	8/24/15	
N-Nitrosodiethylamine	1.67 U	5.56	1.67	1	08/25/15 14:11	8/24/15	
N-Nitrosodimethylamine	1.07 U	5.56	1.07	1	08/25/15 14:11	8/24/15	
N-Nitrosodi-n-butylamine	1.67 U	5.56	1.67	1	08/25/15 14:11	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

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
N-Nitrosodi-n-propylamine	2.45 U	5.56	2.45	1	08/25/15 14:11	8/24/15	
N-Nitrosomethylethylamine	1.07 U	5.56	1.07	1	08/25/15 14:11	8/24/15	
N-Nitrosopiperidine	1.45 U	5.56	1.45	1	08/25/15 14:11	8/24/15	
N-Nitrosopyrrolidine	1.89 U	5.56	1.89	1	08/25/15 14:11	8/24/15	
o-Toluidine	2.00 U	5.56	2.00	1	08/25/15 14:11	8/24/15	
p-Dimethylaminoazobenzene	1.23 U	5.56	1.23	1	08/25/15 14:11	8/24/15	
Pentachlorobenzene	0.989 U	5.56	0.989	1	08/25/15 14:11	8/24/15	
Pentachloronitrobenzene (PCNB)	2.78 U	5.56	2.78	1	08/25/15 14:11	8/24/15	
Pentachlorophenol (PCP)	1.23 U	22.2	1.23	1	08/25/15 14:11	8/24/15	
Phenacetin	2.34 U	5.56	2.34	1	08/25/15 14:11	8/24/15	
Phenanthrene	1.56 U	5.56	1.56	1	08/25/15 14:11	8/24/15	
Phenol	0.656 U	5.56	0.656	1	08/25/15 14:11	8/24/15	
p-Phenylenediamine	1.34 U	22.2	1.34	1	08/25/15 14:11	8/24/15	*
Pronamide	1.89 U	22.2	1.89	1	08/25/15 14:11	8/24/15	
Pyrene	0.823 U	5.56	0.823	1	08/25/15 14:11	8/24/15	
Safrole	0.956 U	5.56	0.956	1	08/25/15 14:11	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	97	2 - 128	08/25/15 14:11	
2-Fluorobiphenyl	65	8 - 135	08/25/15 14:11	
2-Fluorophenol	47	6 - 76	08/25/15 14:11	
Nitrobenzene-d5	65	10 - 125	08/25/15 14:11	
Phenol-d6	39	6 - 56	08/25/15 14:11	
p-Terphenyl-d14	83	4 - 141	08/25/15 14:11	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

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

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0489 U	0.111	0.0489	1	08/25/15 15:49	8/24/15	
2-Methylnaphthalene	0.0489 U	0.111	0.0489	1	08/25/15 15:49	8/24/15	
Acenaphthene	0.0456 U	0.111	0.0456	1	08/25/15 15:49	8/24/15	
Acenaphthylene	0.0278 U	0.111	0.0278	1	08/25/15 15:49	8/24/15	
Anthracene	0.0423 U	0.111	0.0423	1	08/25/15 15:49	8/24/15	
Benz(a)anthracene	0.0389 U	0.111	0.0389	1	08/25/15 15:49	8/24/15	
Benzo(a)pyrene	0.0345 U	0.111	0.0345	1	08/25/15 15:49	8/24/15	
Benzo(b)fluoranthene	0.0278 U	0.111	0.0278	1	08/25/15 15:49	8/24/15	
Benzo(g,h,i)perylene	0.0434 U	0.111	0.0434	1	08/25/15 15:49	8/24/15	
Benzo(k)fluoranthene	0.0389 U	0.111	0.0389	1	08/25/15 15:49	8/24/15	
Chrysene	0.0267 U	0.111	0.0267	1	08/25/15 15:49	8/24/15	
Dibenz(a,h)anthracene	0.0400 U	0.111	0.0400	1	08/25/15 15:49	8/24/15	
Fluoranthene	0.0434 U	0.111	0.0434	1	08/25/15 15:49	8/24/15	
Fluorene	0.0523 U	0.111	0.0523	1	08/25/15 15:49	8/24/15	
Indeno(1,2,3-cd)pyrene	0.0445 U	0.111	0.0445	1	08/25/15 15:49	8/24/15	
Naphthalene	0.0436 I	0.111	0.0434	1	08/25/15 15:49	8/24/15	
Phenanthrene	0.0389 U	0.111	0.0389	1	08/25/15 15:49	8/24/15	
Pyrene	0.0345 U	0.111	0.0345	1	08/25/15 15:49	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	65	22 - 105	08/25/15 15:49	
p-Terphenyl-d14	79	25 - 127	08/25/15 15:49	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45
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)	0.00712 U	0.0203	0.00712	1	08/27/15 09:01	8/25/15	
1,2-Dibromoethane (EDB)	0.00712 U	0.0203	0.00712	1	08/27/15 09:01	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	98	70 - 130	08/27/15 09:01	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

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	08/25/15 13:42	8/24/15	
4,4'-DDE	0.0112 U	0.0222	0.0112	1	08/25/15 13:42	8/24/15	
4,4'-DDT	0.0134 U	0.0222	0.0134	1	08/25/15 13:42	8/24/15	
Aldrin	0.0189 U	0.0222	0.0189	1	08/25/15 13:42	8/24/15	
alpha-BHC	0.0156 U	0.0222	0.0156	1	08/25/15 13:42	8/24/15	
alpha-Chlordane	0.00889 U	0.0222	0.00889	1	08/25/15 13:42	8/24/15	
beta-BHC	0.0112 U	0.0222	0.0112	1	08/25/15 13:42	8/24/15	
Chlordane	0.288 U	0.556	0.288	1	08/25/15 13:42	8/24/15	
delta-BHC	0.0234 U	0.0234	0.0234	1	08/25/15 13:42	8/24/15	
Dieldrin	0.0123 U	0.0222	0.0123	1	08/25/15 13:42	8/24/15	
Endosulfan I	0.00778 U	0.0222	0.00778	1	08/25/15 13:42	8/24/15	
Endosulfan II	0.0112 U	0.0222	0.0112	1	08/25/15 13:42	8/24/15	
Endosulfan Sulfate	0.00778 U	0.0222	0.00778	1	08/25/15 13:42	8/24/15	
Endrin	0.0100 U	0.0222	0.0100	1	08/25/15 13:42	8/24/15	
Endrin Aldehyde	0.0312 U	0.0312	0.0312	1	08/25/15 13:42	8/24/15	
Endrin Ketone	0.0100 U	0.0222	0.0100	1	08/25/15 13:42	8/24/15	
gamma-BHC (Lindane)	0.0145 U	0.0222	0.0145	1	08/25/15 13:42	8/24/15	
gamma-Chlordane	0.0123 U	0.0222	0.0123	1	08/25/15 13:42	8/24/15	
Heptachlor	0.0167 U	0.0222	0.0167	1	08/25/15 13:42	8/24/15	
Heptachlor Epoxide	0.0112 U	0.0222	0.0112	1	08/25/15 13:42	8/24/15	
Methoxychlor	0.0100 U	0.0444	0.0100	1	08/25/15 13:42	8/24/15	
Toxaphene	0.285 U	0.556	0.285	1	08/25/15 13:42	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	29	10 - 160	08/25/15 13:42	
Tetrachloro-m-xylene	40	22 - 126	08/25/15 13:42	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

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	08/26/15 14:22	8/24/15	
Aroclor 1221	0.323 U	0.556	0.323	1	08/26/15 14:22	8/24/15	
Aroclor 1232	0.223 U	0.556	0.223	1	08/26/15 14:22	8/24/15	
Aroclor 1242	0.145 U	0.556	0.145	1	08/26/15 14:22	8/24/15	
Aroclor 1248	0.289 U	0.556	0.289	1	08/26/15 14:22	8/24/15	
Aroclor 1254	0.367 U	0.556	0.367	1	08/26/15 14:22	8/24/15	
Aroclor 1260	0.297 U	0.556	0.297	1	08/26/15 14:22	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 151	08/26/15 14:22	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total	6020	0.4 I	ug/L	1.0	0.2	1	08/26/15 03:48	08/20/15	
Arsenic, Total	6020	4.5	ug/L	1.0	0.5	1	08/26/15 03:48	08/20/15	
Barium, Total	6020	21.0	ug/L	2.0	0.5	1	08/26/15 03:48	08/20/15	
Beryllium, Total	6020	0.04 U	ug/L	0.50	0.04	1	08/26/15 03:48	08/20/15	
Cadmium, Total	6020	0.10 U	ug/L	0.40	0.10	1	08/26/15 03:48	08/20/15	
Chromium, Total	6020	4.4	ug/L	1.0	0.2	1	08/26/15 03:48	08/20/15	
Cobalt, Total	6020	0.5 I	ug/L	1.0	0.03	1	08/26/15 03:48	08/20/15	
Copper, Total	6020	0.6 I	ug/L	1.0	0.3	1	08/26/15 03:48	08/20/15	
Iron, Total	6010B	2790	ug/L	100	3	1	08/20/15 22:32	08/20/15	
Lead, Total	6020	0.12 U	ug/L	0.50	0.12	1	08/26/15 03:48	08/20/15	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	08/24/15 14:41	08/21/15	
Nickel, Total	6020	2.0 I	ug/L	2.0	0.5	1	08/26/15 03:48	08/20/15	
Selenium, Total	6020	1.1 U	ug/L	2.0	1.1	1	08/26/15 03:48	08/20/15	
Silver, Total	6020	0.06 U	ug/L	0.50	0.06	1	08/26/15 03:48	08/20/15	
Sodium, Total	6010B	13.6	mg/L	0.50	0.03	1	08/20/15 22:32	08/20/15	
Thallium, Total	6020	0.05 U	ug/L	0.20	0.05	1	08/26/15 03:48	08/20/15	
Tin, Total	6020	0.2 U	ug/L	5.0	0.2	1	08/26/15 03:48	08/20/15	
Vanadium, Total	6020	9.9	ug/L	2.0	0.3	1	08/26/15 03:48	08/20/15	
Zinc, Total	6020	2.1 I	ug/L	5.0	1.6	1	08/26/15 03:48	08/20/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28A
Lab Code: J1506641-001

Service Request: J1506641
Date Collected: 08/18/15 13:50
Date Received: 08/19/15 09:45

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	2.14	mg/L	0.010	0.007	1	08/26/15 14:19	NA	
Chloride	300.0	25.5	mg/L	1.0	0.2	1	08/19/15 22:26	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	08/24/15 12:34	08/21/15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	08/19/15 22:26	NA	
Solids, Total Dissolved	SM 2540 C	306	mg/L	10	10	1	08/24/15 14:08	NA	
Sulfide, Total	SM 4500-S2- F	2.0	mg/L	2.0	0.4	1	08/25/15 09:55	NA	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

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	08/20/15 12:15	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 12:15	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 12:15	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 12:15	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 12:15	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 12:15	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 12:15	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 12:15	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 12:15	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 12:15	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 12:15	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 12:15	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 12:15	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 12:15	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 12:15	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 12:15	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 12:15	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 12:15	
2-Butanone (MEK)	3.8 U	10	3.8	1	08/20/15 12:15	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 12:15	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 12:15	
Acetone	5.6 U	50	5.6	1	08/20/15 12:15	
Acetonitrile	18 U	25	18	1	08/20/15 12:15	
Acrolein	28 U	50	28	1	08/20/15 12:15	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 12:15	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 12:15	
Benzene	0.21 U	1.0	0.21	1	08/20/15 12:15	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 12:15	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 12:15	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 12:15	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 12:15	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 12:15	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 12:15	
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 12:15	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 12:15	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 12:15	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 12:15	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 12:15	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 12:15	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 12:15	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 12:15	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 12:15	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 12:15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

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	08/20/15 12:15	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 12:15	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 12:15	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 12:15	*
Isobutyl Alcohol	43 U	100	43	1	08/20/15 12:15	
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 12:15	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 12:15	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 12:15	
Methylene Chloride	0.21 U	5.0	0.21	1	08/20/15 12:15	
Naphthalene	0.38 U	10	0.38	1	08/20/15 12:15	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 12:15	
Propionitrile	3.9 U	25	3.9	1	08/20/15 12:15	
Styrene	0.29 U	1.0	0.29	1	08/20/15 12:15	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 12:15	
Toluene	0.19 U	1.0	0.19	1	08/20/15 12:15	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 12:15	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 12:15	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 12:15	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 12:15	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 12:15	
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 12:15	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 12:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	08/20/15 12:15	
4-Bromofluorobenzene	95	86 - 113	08/20/15 12:15	
Dibromofluoromethane	102	86 - 112	08/20/15 12:15	
Toluene-d8	100	88 - 115	08/20/15 12:15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

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	08/25/15 14:37	8/24/15	
1,2,4-Trichlorobenzene	0.667 U	5.56	0.667	1	08/25/15 14:37	8/24/15	
1,2-Dichlorobenzene	0.712 U	5.56	0.712	1	08/25/15 14:37	8/24/15	
1,3,5-Trinitrobenzene	1.67 U	5.56	1.67	1	08/25/15 14:37	8/24/15	
1,3-Dichlorobenzene	1.03 U	5.56	1.03	1	08/25/15 14:37	8/24/15	
1,3-Dinitrobenzene	0.712 U	11.1	0.712	1	08/25/15 14:37	8/24/15	
1,4-Dichlorobenzene	1.02 U	5.56	1.02	1	08/25/15 14:37	8/24/15	
1,4-Naphthoquinone	1.78 U	11.1	1.78	1	08/25/15 14:37	8/24/15	
1-Naphthylamine	2.23 U	5.56	2.23	1	08/25/15 14:37	8/24/15	
2,3,4,6-Tetrachlorophenol	1.78 U	5.56	1.78	1	08/25/15 14:37	8/24/15	
2,4,5-Trichlorophenol	1.45 U	5.56	1.45	1	08/25/15 14:37	8/24/15	
2,4,6-Trichlorophenol	0.989 U	5.56	0.989	1	08/25/15 14:37	8/24/15	
2,4-Dichlorophenol	1.34 U	5.56	1.34	1	08/25/15 14:37	8/24/15	
2,4-Dimethylphenol	1.67 U	5.56	1.67	1	08/25/15 14:37	8/24/15	
2,4-Dinitrophenol	0.845 U	22.2	0.845	1	08/25/15 14:37	8/24/15	
2,4-Dinitrotoluene	1.45 U	5.56	1.45	1	08/25/15 14:37	8/24/15	
2,6-Dichlorophenol	1.45 U	11.1	1.45	1	08/25/15 14:37	8/24/15	
2,6-Dinitrotoluene	1.23 U	5.56	1.23	1	08/25/15 14:37	8/24/15	
2-Acetylaminofluorene	1.07 U	5.56	1.07	1	08/25/15 14:37	8/24/15	
2-Chloronaphthalene	5.12 U	5.56	5.12	1	08/25/15 14:37	8/24/15	
2-Chlorophenol	1.34 U	5.56	1.34	1	08/25/15 14:37	8/24/15	
2-Methylnaphthalene	0.701 U	5.56	0.701	1	08/25/15 14:37	8/24/15	
2-Methylphenol	1.45 U	5.56	1.45	1	08/25/15 14:37	8/24/15	
2-Naphthylamine	2.56 U	5.56	2.56	1	08/25/15 14:37	8/24/15	
2-Nitroaniline	1.67 U	5.56	1.67	1	08/25/15 14:37	8/24/15	
2-Nitrophenol	1.56 U	22.2	1.56	1	08/25/15 14:37	8/24/15	
3- and 4-Methylphenol Coelution	1.12 U	5.56	1.12	1	08/25/15 14:37	8/24/15	
3,3'-Dichlorobenzidine	1.56 U	22.2	1.56	1	08/25/15 14:37	8/24/15	
3,3'-Dimethylbenzidine	5.34 U	22.2	5.34	1	08/25/15 14:37	8/24/15	*
3-Methylcholanthrene	1.56 U	5.56	1.56	1	08/25/15 14:37	8/24/15	
3-Nitroaniline	1.23 U	5.56	1.23	1	08/25/15 14:37	8/24/15	
4,6-Dinitro-2-methylphenol	1.12 U	22.2	1.12	1	08/25/15 14:37	8/24/15	
4-Aminobiphenyl	2.12 U	5.56	2.12	1	08/25/15 14:37	8/24/15	*
4-Bromophenyl Phenyl Ether	1.45 U	5.56	1.45	1	08/25/15 14:37	8/24/15	
4-Chloro-3-methylphenol	2.00 U	5.56	2.00	1	08/25/15 14:37	8/24/15	
4-Chloroaniline	1.56 U	5.56	1.56	1	08/25/15 14:37	8/24/15	
4-Chlorophenyl Phenyl Ether	1.07 U	5.56	1.07	1	08/25/15 14:37	8/24/15	
4-Nitroaniline	1.12 U	5.56	1.12	1	08/25/15 14:37	8/24/15	
4-Nitrophenol	2.00 U	22.2	2.00	1	08/25/15 14:37	8/24/15	
5-Nitro-o-toluidine	1.23 U	5.56	1.23	1	08/25/15 14:37	8/24/15	
7,12-Dimethylbenz(a)anthracene	1.34 U	5.56	1.34	1	08/25/15 14:37	8/24/15	
Acenaphthene	4.67 U	5.56	4.67	1	08/25/15 14:37	8/24/15	
Acenaphthylene	1.10 U	5.56	1.10	1	08/25/15 14:37	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

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	08/25/15 14:37	8/24/15	
Anthracene	1.78 U	5.56	1.78	1	08/25/15 14:37	8/24/15	
Benz(a)anthracene	1.12 U	5.56	1.12	1	08/25/15 14:37	8/24/15	
Benzo(a)pyrene	1.34 U	5.56	1.34	1	08/25/15 14:37	8/24/15	
Benzo(b)fluoranthene	1.12 U	5.56	1.12	1	08/25/15 14:37	8/24/15	
Benzo(g,h,i)perylene	1.56 U	5.56	1.56	1	08/25/15 14:37	8/24/15	
Benzo(k)fluoranthene	2.00 U	5.56	2.00	1	08/25/15 14:37	8/24/15	
Benzyl Alcohol	1.56 U	5.56	1.56	1	08/25/15 14:37	8/24/15	
Bis(2-chloroethoxy)methane	1.34 U	5.56	1.34	1	08/25/15 14:37	8/24/15	
Bis(2-chloroethyl) Ether	2.12 U	5.56	2.12	1	08/25/15 14:37	8/24/15	
Bis(2-chloroisopropyl) Ether	1.67 U	5.56	1.67	1	08/25/15 14:37	8/24/15	
Bis(2-ethylhexyl) Phthalate	1.67 U	5.56	1.67	1	08/25/15 14:37	8/24/15	
Butyl Benzyl Phthalate	0.956 U	11.1	0.956	1	08/25/15 14:37	8/24/15	
Chlorobenzilate	1.00 U	11.1	1.00	1	08/25/15 14:37	8/24/15	
Chrysene	1.34 U	5.56	1.34	1	08/25/15 14:37	8/24/15	
Diallate	1.89 U	5.56	1.89	1	08/25/15 14:37	8/24/15	
Dibenz(a,h)anthracene	1.67 U	5.56	1.67	1	08/25/15 14:37	8/24/15	
Dibenzofuran	1.45 U	5.56	1.45	1	08/25/15 14:37	8/24/15	
Diethyl Phthalate	1.89 U	5.56	1.89	1	08/25/15 14:37	8/24/15	
Dimethyl Phthalate	1.45 U	5.56	1.45	1	08/25/15 14:37	8/24/15	
Di-n-butyl Phthalate	2.45 U	5.56	2.45	1	08/25/15 14:37	8/24/15	
Di-n-octyl Phthalate	3.12 U	5.56	3.12	1	08/25/15 14:37	8/24/15	
Diphenylamine + n-Nitrosodiphenylamine	1.23 U	5.56	1.23	1	08/25/15 14:37	8/24/15	
Ethyl Methanesulfonate	1.78 U	5.56	1.78	1	08/25/15 14:37	8/24/15	
Fluoranthene	1.56 U	5.56	1.56	1	08/25/15 14:37	8/24/15	
Fluorene	0.934 U	5.56	0.934	1	08/25/15 14:37	8/24/15	
Hexachlorobenzene	1.89 U	5.56	1.89	1	08/25/15 14:37	8/24/15	
Hexachlorobutadiene	1.34 U	5.56	1.34	1	08/25/15 14:37	8/24/15	
Hexachlorocyclopentadiene	0.556 U	5.56	0.556	1	08/25/15 14:37	8/24/15	
Hexachloroethane	0.901 U	5.56	0.901	1	08/25/15 14:37	8/24/15	
Hexachloropropene	1.02 U	5.56	1.02	1	08/25/15 14:37	8/24/15	
Indeno(1,2,3-cd)pyrene	1.89 U	5.56	1.89	1	08/25/15 14:37	8/24/15	
Isodrin	2.00 U	11.1	2.00	1	08/25/15 14:37	8/24/15	
Isophorone	2.00 U	5.56	2.00	1	08/25/15 14:37	8/24/15	
Isosafrole	1.10 U	5.56	1.10	1	08/25/15 14:37	8/24/15	
Kepone	4.23 U	55.6	4.23	1	08/25/15 14:37	8/24/15	*
Methapyrilene	3.67 U	5.56	3.67	1	08/25/15 14:37	8/24/15	
Methyl Methanesulfonate	1.78 U	5.56	1.78	1	08/25/15 14:37	8/24/15	
Naphthalene	0.589 U	5.56	0.589	1	08/25/15 14:37	8/24/15	
Nitrobenzene	2.34 U	5.56	2.34	1	08/25/15 14:37	8/24/15	
N-Nitrosodiethylamine	1.67 U	5.56	1.67	1	08/25/15 14:37	8/24/15	
N-Nitrosodimethylamine	1.07 U	5.56	1.07	1	08/25/15 14:37	8/24/15	
N-Nitrosodi-n-butylamine	1.67 U	5.56	1.67	1	08/25/15 14:37	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

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
N-Nitrosodi-n-propylamine	2.45 U	5.56	2.45	1	08/25/15 14:37	8/24/15	
N-Nitrosomethylethylamine	1.07 U	5.56	1.07	1	08/25/15 14:37	8/24/15	
N-Nitrosopiperidine	1.45 U	5.56	1.45	1	08/25/15 14:37	8/24/15	
N-Nitrosopyrrolidine	1.89 U	5.56	1.89	1	08/25/15 14:37	8/24/15	
o-Toluidine	2.00 U	5.56	2.00	1	08/25/15 14:37	8/24/15	
p-Dimethylaminoazobenzene	1.23 U	5.56	1.23	1	08/25/15 14:37	8/24/15	
Pentachlorobenzene	0.989 U	5.56	0.989	1	08/25/15 14:37	8/24/15	
Pentachloronitrobenzene (PCNB)	2.78 U	5.56	2.78	1	08/25/15 14:37	8/24/15	
Pentachlorophenol (PCP)	1.23 U	22.2	1.23	1	08/25/15 14:37	8/24/15	
Phenacetin	2.34 U	5.56	2.34	1	08/25/15 14:37	8/24/15	
Phenanthrene	1.56 U	5.56	1.56	1	08/25/15 14:37	8/24/15	
Phenol	0.656 U	5.56	0.656	1	08/25/15 14:37	8/24/15	
p-Phenylenediamine	1.34 U	22.2	1.34	1	08/25/15 14:37	8/24/15	*
Pronamide	1.89 U	22.2	1.89	1	08/25/15 14:37	8/24/15	
Pyrene	0.823 U	5.56	0.823	1	08/25/15 14:37	8/24/15	
Safrole	0.956 U	5.56	0.956	1	08/25/15 14:37	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	91	2 - 128	08/25/15 14:37	
2-Fluorobiphenyl	76	8 - 135	08/25/15 14:37	
2-Fluorophenol	58	6 - 76	08/25/15 14:37	
Nitrobenzene-d5	78	10 - 125	08/25/15 14:37	
Phenol-d6	46	6 - 56	08/25/15 14:37	
p-Terphenyl-d14	68	4 - 141	08/25/15 14:37	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

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

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0489 U	0.111	0.0489	1	08/25/15 16:16	8/24/15	
2-Methylnaphthalene	0.0489 U	0.111	0.0489	1	08/25/15 16:16	8/24/15	
Acenaphthene	0.0456 U	0.111	0.0456	1	08/25/15 16:16	8/24/15	
Acenaphthylene	0.0278 U	0.111	0.0278	1	08/25/15 16:16	8/24/15	
Anthracene	0.0423 U	0.111	0.0423	1	08/25/15 16:16	8/24/15	
Benz(a)anthracene	0.0389 U	0.111	0.0389	1	08/25/15 16:16	8/24/15	
Benzo(a)pyrene	0.0345 U	0.111	0.0345	1	08/25/15 16:16	8/24/15	
Benzo(b)fluoranthene	0.0278 U	0.111	0.0278	1	08/25/15 16:16	8/24/15	
Benzo(g,h,i)perylene	0.0434 U	0.111	0.0434	1	08/25/15 16:16	8/24/15	
Benzo(k)fluoranthene	0.0389 U	0.111	0.0389	1	08/25/15 16:16	8/24/15	
Chrysene	0.0267 U	0.111	0.0267	1	08/25/15 16:16	8/24/15	
Dibenz(a,h)anthracene	0.0400 U	0.111	0.0400	1	08/25/15 16:16	8/24/15	
Fluoranthene	0.0434 U	0.111	0.0434	1	08/25/15 16:16	8/24/15	
Fluorene	0.0523 U	0.111	0.0523	1	08/25/15 16:16	8/24/15	
Indeno(1,2,3-cd)pyrene	0.0445 U	0.111	0.0445	1	08/25/15 16:16	8/24/15	
Naphthalene	0.0641 I	0.111	0.0434	1	08/25/15 16:16	8/24/15	
Phenanthrene	0.0389 U	0.111	0.0389	1	08/25/15 16:16	8/24/15	
Pyrene	0.0345 U	0.111	0.0345	1	08/25/15 16:16	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	79	22 - 105	08/25/15 16:16	
p-Terphenyl-d14	72	25 - 127	08/25/15 16:16	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45
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)	0.00704 U	0.0201	0.00704	1	08/27/15 09:27	8/25/15	
1,2-Dibromoethane (EDB)	0.00704 U	0.0201	0.00704	1	08/27/15 09:27	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	96	70 - 130	08/27/15 09:27	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

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	08/25/15 13:59	8/24/15	
4,4'-DDE	0.0113 U	0.0225	0.0113	1	08/25/15 13:59	8/24/15	
4,4'-DDT	0.0135 U	0.0225	0.0135	1	08/25/15 13:59	8/24/15	
Aldrin	0.0192 U	0.0225	0.0192	1	08/25/15 13:59	8/24/15	
alpha-BHC	0.0158 U	0.0225	0.0158	1	08/25/15 13:59	8/24/15	
alpha-Chlordane	0.00899 U	0.0225	0.00899	1	08/25/15 13:59	8/24/15	
beta-BHC	0.0113 U	0.0225	0.0113	1	08/25/15 13:59	8/24/15	
Chlordane	0.292 U	0.562	0.292	1	08/25/15 13:59	8/24/15	
delta-BHC	0.0236 U	0.0236	0.0236	1	08/25/15 13:59	8/24/15	
Dieldrin	0.0124 U	0.0225	0.0124	1	08/25/15 13:59	8/24/15	
Endosulfan I	0.00787 U	0.0225	0.00787	1	08/25/15 13:59	8/24/15	
Endosulfan II	0.0113 U	0.0225	0.0113	1	08/25/15 13:59	8/24/15	
Endosulfan Sulfate	0.00787 U	0.0225	0.00787	1	08/25/15 13:59	8/24/15	
Endrin	0.0102 U	0.0225	0.0102	1	08/25/15 13:59	8/24/15	
Endrin Aldehyde	0.0315 U	0.0315	0.0315	1	08/25/15 13:59	8/24/15	
Endrin Ketone	0.0102 U	0.0225	0.0102	1	08/25/15 13:59	8/24/15	
gamma-BHC (Lindane)	0.0147 U	0.0225	0.0147	1	08/25/15 13:59	8/24/15	
gamma-Chlordane	0.0124 U	0.0225	0.0124	1	08/25/15 13:59	8/24/15	
Heptachlor	0.0169 U	0.0225	0.0169	1	08/25/15 13:59	8/24/15	
Heptachlor Epoxide	0.0113 U	0.0225	0.0113	1	08/25/15 13:59	8/24/15	
Methoxychlor	0.0102 U	0.0449	0.0102	1	08/25/15 13:59	8/24/15	
Toxaphene	0.288 U	0.562	0.288	1	08/25/15 13:59	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	33	10 - 160	08/25/15 13:59	
Tetrachloro-m-xylene	43	22 - 126	08/25/15 13:59	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

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	08/26/15 14:38	8/24/15	
Aroclor 1221	0.326 U	0.562	0.326	1	08/26/15 14:38	8/24/15	
Aroclor 1232	0.225 U	0.562	0.225	1	08/26/15 14:38	8/24/15	
Aroclor 1242	0.147 U	0.562	0.147	1	08/26/15 14:38	8/24/15	
Aroclor 1248	0.293 U	0.562	0.293	1	08/26/15 14:38	8/24/15	
Aroclor 1254	0.371 U	0.562	0.371	1	08/26/15 14:38	8/24/15	
Aroclor 1260	0.301 U	0.562	0.301	1	08/26/15 14:38	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	30	10 - 151	08/26/15 14:38	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total	6020	0.2 U	ug/L	1.0	0.2	1	08/26/15 03:53	08/20/15	
Arsenic, Total	6020	1.1	ug/L	1.0	0.5	1	08/26/15 03:53	08/20/15	
Barium, Total	6020	56.1	ug/L	2.0	0.5	1	08/26/15 03:53	08/20/15	
Beryllium, Total	6020	0.11 I	ug/L	0.50	0.04	1	08/26/15 03:53	08/20/15	
Cadmium, Total	6020	0.10 U	ug/L	0.40	0.10	1	08/26/15 03:53	08/20/15	
Chromium, Total	6020	3.6	ug/L	1.0	0.2	1	08/26/15 03:53	08/20/15	
Cobalt, Total	6020	0.2 I	ug/L	1.0	0.03	1	08/26/15 03:53	08/20/15	
Copper, Total	6020	0.7 I	ug/L	1.0	0.3	1	08/26/15 03:53	08/20/15	
Iron, Total	6010B	2260	ug/L	100	3	1	08/20/15 22:36	08/20/15	
Lead, Total	6020	2.71	ug/L	0.50	0.12	1	08/26/15 03:53	08/20/15	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	08/24/15 14:42	08/21/15	
Nickel, Total	6020	1.0 I	ug/L	2.0	0.5	1	08/26/15 03:53	08/20/15	
Selenium, Total	6020	1.1 U	ug/L	2.0	1.1	1	08/26/15 03:53	08/20/15	
Silver, Total	6020	0.06 U	ug/L	0.50	0.06	1	08/26/15 03:53	08/20/15	
Sodium, Total	6010B	14.9	mg/L	0.50	0.03	1	08/20/15 22:36	08/20/15	
Thallium, Total	6020	0.05 U	ug/L	0.20	0.05	1	08/26/15 03:53	08/20/15	
Tin, Total	6020	0.2 U	ug/L	5.0	0.2	1	08/26/15 03:53	08/20/15	
Vanadium, Total	6020	4.8	ug/L	2.0	0.3	1	08/26/15 03:53	08/20/15	
Zinc, Total	6020	1.6 U	ug/L	5.0	1.6	1	08/26/15 03:53	08/20/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-28B
Lab Code: J1506641-002

Service Request: J1506641
Date Collected: 08/18/15 14:50
Date Received: 08/19/15 09:45
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.089	mg/L	0.010	0.007	1	08/26/15 14:20	NA	
Chloride	300.0	24.5	mg/L	1.0	0.2	1	08/19/15 22:43	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	08/24/15 12:35	08/21/15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	08/19/15 22:43	NA	
Solids, Total Dissolved	SM 2540 C	108	mg/L	10	10	1	08/24/15 14:08	NA	
Sulfide, Total	SM 4500-S2- F	4.2	mg/L	2.0	0.4	1	08/25/15 09:55	NA	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

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	08/20/15 12:38	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 12:38	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 12:38	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 12:38	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 12:38	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 12:38	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 12:38	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 12:38	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 12:38	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 12:38	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 12:38	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 12:38	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 12:38	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 12:38	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 12:38	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 12:38	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 12:38	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 12:38	
2-Butanone (MEK)	3.8 U	10	3.8	1	08/20/15 12:38	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 12:38	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 12:38	
Acetone	5.8 I	50	5.6	1	08/20/15 12:38	
Acetonitrile	18 U	25	18	1	08/20/15 12:38	
Acrolein	28 U	50	28	1	08/20/15 12:38	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 12:38	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 12:38	
Benzene	0.21 U	1.0	0.21	1	08/20/15 12:38	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 12:38	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 12:38	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 12:38	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 12:38	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 12:38	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 12:38	
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 12:38	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 12:38	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 12:38	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 12:38	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 12:38	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 12:38	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 12:38	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 12:38	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 12:38	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 12:38	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

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	08/20/15 12:38	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 12:38	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 12:38	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 12:38	*
Isobutyl Alcohol	43 U	100	43	1	08/20/15 12:38	
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 12:38	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 12:38	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 12:38	
Methylene Chloride	0.21 U	5.0	0.21	1	08/20/15 12:38	
Naphthalene	0.38 U	10	0.38	1	08/20/15 12:38	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 12:38	
Propionitrile	3.9 U	25	3.9	1	08/20/15 12:38	
Styrene	0.29 U	1.0	0.29	1	08/20/15 12:38	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 12:38	
Toluene	0.19 U	1.0	0.19	1	08/20/15 12:38	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 12:38	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 12:38	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 12:38	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 12:38	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 12:38	
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 12:38	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 12:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	72 - 121	08/20/15 12:38	
4-Bromofluorobenzene	94	86 - 113	08/20/15 12:38	
Dibromofluoromethane	102	86 - 112	08/20/15 12:38	
Toluene-d8	99	88 - 115	08/20/15 12:38	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

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	1.35 U	5.62	1.35	1	08/25/15 15:03	8/24/15	
1,2,4-Trichlorobenzene	0.675 U	5.62	0.675	1	08/25/15 15:03	8/24/15	
1,2-Dichlorobenzene	0.720 U	5.62	0.720	1	08/25/15 15:03	8/24/15	
1,3,5-Trinitrobenzene	1.69 U	5.62	1.69	1	08/25/15 15:03	8/24/15	
1,3-Dichlorobenzene	1.04 U	5.62	1.04	1	08/25/15 15:03	8/24/15	
1,3-Dinitrobenzene	0.720 U	11.2	0.720	1	08/25/15 15:03	8/24/15	
1,4-Dichlorobenzene	1.03 U	5.62	1.03	1	08/25/15 15:03	8/24/15	
1,4-Naphthoquinone	1.80 U	11.2	1.80	1	08/25/15 15:03	8/24/15	
1-Naphthylamine	2.25 U	5.62	2.25	1	08/25/15 15:03	8/24/15	
2,3,4,6-Tetrachlorophenol	1.80 U	5.62	1.80	1	08/25/15 15:03	8/24/15	
2,4,5-Trichlorophenol	1.47 U	5.62	1.47	1	08/25/15 15:03	8/24/15	
2,4,6-Trichlorophenol	1.00 U	5.62	1.00	1	08/25/15 15:03	8/24/15	
2,4-Dichlorophenol	1.35 U	5.62	1.35	1	08/25/15 15:03	8/24/15	
2,4-Dimethylphenol	1.69 U	5.62	1.69	1	08/25/15 15:03	8/24/15	
2,4-Dinitrophenol	0.854 U	22.5	0.854	1	08/25/15 15:03	8/24/15	
2,4-Dinitrotoluene	1.47 U	5.62	1.47	1	08/25/15 15:03	8/24/15	
2,6-Dichlorophenol	1.47 U	11.2	1.47	1	08/25/15 15:03	8/24/15	
2,6-Dinitrotoluene	1.24 U	5.62	1.24	1	08/25/15 15:03	8/24/15	
2-Acetylaminofluorene	1.08 U	5.62	1.08	1	08/25/15 15:03	8/24/15	
2-Chloronaphthalene	5.17 U	5.62	5.17	1	08/25/15 15:03	8/24/15	
2-Chlorophenol	1.35 U	5.62	1.35	1	08/25/15 15:03	8/24/15	
2-Methylnaphthalene	0.708 U	5.62	0.708	1	08/25/15 15:03	8/24/15	
2-Methylphenol	1.47 U	5.62	1.47	1	08/25/15 15:03	8/24/15	
2-Naphthylamine	2.59 U	5.62	2.59	1	08/25/15 15:03	8/24/15	
2-Nitroaniline	1.69 U	5.62	1.69	1	08/25/15 15:03	8/24/15	
2-Nitrophenol	1.58 U	22.5	1.58	1	08/25/15 15:03	8/24/15	
3- and 4-Methylphenol Coelution	1.13 U	5.62	1.13	1	08/25/15 15:03	8/24/15	
3,3'-Dichlorobenzidine	1.58 U	22.5	1.58	1	08/25/15 15:03	8/24/15	
3,3'-Dimethylbenzidine	5.40 U	22.5	5.40	1	08/25/15 15:03	8/24/15	*
3-Methylcholanthrene	1.58 U	5.62	1.58	1	08/25/15 15:03	8/24/15	
3-Nitroaniline	1.24 U	5.62	1.24	1	08/25/15 15:03	8/24/15	
4,6-Dinitro-2-methylphenol	1.13 U	22.5	1.13	1	08/25/15 15:03	8/24/15	
4-Aminobiphenyl	2.14 U	5.62	2.14	1	08/25/15 15:03	8/24/15	*
4-Bromophenyl Phenyl Ether	1.47 U	5.62	1.47	1	08/25/15 15:03	8/24/15	
4-Chloro-3-methylphenol	2.03 U	5.62	2.03	1	08/25/15 15:03	8/24/15	
4-Chloroaniline	1.58 U	5.62	1.58	1	08/25/15 15:03	8/24/15	
4-Chlorophenyl Phenyl Ether	1.08 U	5.62	1.08	1	08/25/15 15:03	8/24/15	
4-Nitroaniline	1.13 U	5.62	1.13	1	08/25/15 15:03	8/24/15	
4-Nitrophenol	2.03 U	22.5	2.03	1	08/25/15 15:03	8/24/15	
5-Nitro-o-toluidine	1.24 U	5.62	1.24	1	08/25/15 15:03	8/24/15	
7,12-Dimethylbenz(a)anthracene	1.35 U	5.62	1.35	1	08/25/15 15:03	8/24/15	
Acenaphthene	4.72 U	5.62	4.72	1	08/25/15 15:03	8/24/15	
Acenaphthylene	1.12 U	5.62	1.12	1	08/25/15 15:03	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

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	1.80 U	11.2	1.80	1	08/25/15 15:03	8/24/15	
Anthracene	1.80 U	5.62	1.80	1	08/25/15 15:03	8/24/15	
Benz(a)anthracene	1.13 U	5.62	1.13	1	08/25/15 15:03	8/24/15	
Benzo(a)pyrene	1.35 U	5.62	1.35	1	08/25/15 15:03	8/24/15	
Benzo(b)fluoranthene	1.13 U	5.62	1.13	1	08/25/15 15:03	8/24/15	
Benzo(g,h,i)perylene	1.58 U	5.62	1.58	1	08/25/15 15:03	8/24/15	
Benzo(k)fluoranthene	2.03 U	5.62	2.03	1	08/25/15 15:03	8/24/15	
Benzyl Alcohol	1.58 U	5.62	1.58	1	08/25/15 15:03	8/24/15	
Bis(2-chloroethoxy)methane	1.35 U	5.62	1.35	1	08/25/15 15:03	8/24/15	
Bis(2-chloroethyl) Ether	2.14 U	5.62	2.14	1	08/25/15 15:03	8/24/15	
Bis(2-chloroisopropyl) Ether	1.69 U	5.62	1.69	1	08/25/15 15:03	8/24/15	
Bis(2-ethylhexyl) Phthalate	1.69 U	5.62	1.69	1	08/25/15 15:03	8/24/15	
Butyl Benzyl Phthalate	0.967 U	11.2	0.967	1	08/25/15 15:03	8/24/15	
Chlorobenzilate	1.02 U	11.2	1.02	1	08/25/15 15:03	8/24/15	
Chrysene	1.35 U	5.62	1.35	1	08/25/15 15:03	8/24/15	
Diallate	1.92 U	5.62	1.92	1	08/25/15 15:03	8/24/15	
Dibenz(a,h)anthracene	1.69 U	5.62	1.69	1	08/25/15 15:03	8/24/15	
Dibenzofuran	1.47 U	5.62	1.47	1	08/25/15 15:03	8/24/15	
Diethyl Phthalate	1.92 U	5.62	1.92	1	08/25/15 15:03	8/24/15	
Dimethyl Phthalate	1.47 U	5.62	1.47	1	08/25/15 15:03	8/24/15	
Di-n-butyl Phthalate	2.48 U	5.62	2.48	1	08/25/15 15:03	8/24/15	
Di-n-octyl Phthalate	3.15 U	5.62	3.15	1	08/25/15 15:03	8/24/15	
Diphenylamine + n-Nitrosodiphenylamine	1.24 U	5.62	1.24	1	08/25/15 15:03	8/24/15	
Ethyl Methanesulfonate	1.80 U	5.62	1.80	1	08/25/15 15:03	8/24/15	
Fluoranthene	1.58 U	5.62	1.58	1	08/25/15 15:03	8/24/15	
Fluorene	0.944 U	5.62	0.944	1	08/25/15 15:03	8/24/15	
Hexachlorobenzene	1.92 U	5.62	1.92	1	08/25/15 15:03	8/24/15	
Hexachlorobutadiene	1.35 U	5.62	1.35	1	08/25/15 15:03	8/24/15	
Hexachlorocyclopentadiene	0.562 U	5.62	0.562	1	08/25/15 15:03	8/24/15	
Hexachloroethane	0.911 U	5.62	0.911	1	08/25/15 15:03	8/24/15	
Hexachloropropene	1.03 U	5.62	1.03	1	08/25/15 15:03	8/24/15	
Indeno(1,2,3-cd)pyrene	1.92 U	5.62	1.92	1	08/25/15 15:03	8/24/15	
Isodrin	2.03 U	11.2	2.03	1	08/25/15 15:03	8/24/15	
Isophorone	2.03 U	5.62	2.03	1	08/25/15 15:03	8/24/15	
Isosafrole	1.12 U	5.62	1.12	1	08/25/15 15:03	8/24/15	
Kepone	4.27 U	56.2	4.27	1	08/25/15 15:03	8/24/15	*
Methapyrilene	3.71 U	5.62	3.71	1	08/25/15 15:03	8/24/15	
Methyl Methanesulfonate	1.80 U	5.62	1.80	1	08/25/15 15:03	8/24/15	
Naphthalene	0.596 U	5.62	0.596	1	08/25/15 15:03	8/24/15	
Nitrobenzene	2.36 U	5.62	2.36	1	08/25/15 15:03	8/24/15	
N-Nitrosodiethylamine	1.69 U	5.62	1.69	1	08/25/15 15:03	8/24/15	
N-Nitrosodimethylamine	1.08 U	5.62	1.08	1	08/25/15 15:03	8/24/15	
N-Nitrosodi-n-butylamine	1.69 U	5.62	1.69	1	08/25/15 15:03	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

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
N-Nitrosodi-n-propylamine	2.48 U	5.62	2.48	1	08/25/15 15:03	8/24/15	
N-Nitrosomethylethylamine	1.08 U	5.62	1.08	1	08/25/15 15:03	8/24/15	
N-Nitrosopiperidine	1.47 U	5.62	1.47	1	08/25/15 15:03	8/24/15	
N-Nitrosopyrrolidine	1.92 U	5.62	1.92	1	08/25/15 15:03	8/24/15	
o-Toluidine	2.03 U	5.62	2.03	1	08/25/15 15:03	8/24/15	
p-Dimethylaminoazobenzene	1.24 U	5.62	1.24	1	08/25/15 15:03	8/24/15	
Pentachlorobenzene	1.00 U	5.62	1.00	1	08/25/15 15:03	8/24/15	
Pentachloronitrobenzene (PCNB)	2.81 U	5.62	2.81	1	08/25/15 15:03	8/24/15	
Pentachlorophenol (PCP)	1.24 U	22.5	1.24	1	08/25/15 15:03	8/24/15	
Phenacetin	2.36 U	5.62	2.36	1	08/25/15 15:03	8/24/15	
Phenanthrene	1.58 U	5.62	1.58	1	08/25/15 15:03	8/24/15	
Phenol	0.663 U	5.62	0.663	1	08/25/15 15:03	8/24/15	
p-Phenylenediamine	1.35 U	22.5	1.35	1	08/25/15 15:03	8/24/15	*
Pronamide	1.92 U	22.5	1.92	1	08/25/15 15:03	8/24/15	
Pyrene	0.832 U	5.62	0.832	1	08/25/15 15:03	8/24/15	
Safrole	0.967 U	5.62	0.967	1	08/25/15 15:03	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	2 - 128	08/25/15 15:03	
2-Fluorobiphenyl	57	8 - 135	08/25/15 15:03	
2-Fluorophenol	44	6 - 76	08/25/15 15:03	
Nitrobenzene-d5	59	10 - 125	08/25/15 15:03	
Phenol-d6	37	6 - 56	08/25/15 15:03	
p-Terphenyl-d14	68	4 - 141	08/25/15 15:03	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

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

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0495 U	0.112	0.0495	1	08/25/15 16:44	8/24/15	
2-Methylnaphthalene	0.0495 U	0.112	0.0495	1	08/25/15 16:44	8/24/15	
Acenaphthene	0.0461 U	0.112	0.0461	1	08/25/15 16:44	8/24/15	
Acenaphthylene	0.0281 U	0.112	0.0281	1	08/25/15 16:44	8/24/15	
Anthracene	0.0427 U	0.112	0.0427	1	08/25/15 16:44	8/24/15	
Benz(a)anthracene	0.0394 U	0.112	0.0394	1	08/25/15 16:44	8/24/15	
Benzo(a)pyrene	0.0349 U	0.112	0.0349	1	08/25/15 16:44	8/24/15	
Benzo(b)fluoranthene	0.0281 U	0.112	0.0281	1	08/25/15 16:44	8/24/15	
Benzo(g,h,i)perylene	0.0439 U	0.112	0.0439	1	08/25/15 16:44	8/24/15	
Benzo(k)fluoranthene	0.0394 U	0.112	0.0394	1	08/25/15 16:44	8/24/15	
Chrysene	0.0270 U	0.112	0.0270	1	08/25/15 16:44	8/24/15	
Dibenz(a,h)anthracene	0.0405 U	0.112	0.0405	1	08/25/15 16:44	8/24/15	
Fluoranthene	0.0439 U	0.112	0.0439	1	08/25/15 16:44	8/24/15	
Fluorene	0.0529 U	0.112	0.0529	1	08/25/15 16:44	8/24/15	
Indeno(1,2,3-cd)pyrene	0.0450 U	0.112	0.0450	1	08/25/15 16:44	8/24/15	
Naphthalene	0.0441 I	0.112	0.0439	1	08/25/15 16:44	8/24/15	
Phenanthrene	0.0394 U	0.112	0.0394	1	08/25/15 16:44	8/24/15	
Pyrene	0.0349 U	0.112	0.0349	1	08/25/15 16:44	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	60	22 - 105	08/25/15 16:44	
p-Terphenyl-d14	73	25 - 127	08/25/15 16:44	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45
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)	0.00705 U	0.0201	0.00705	1	08/27/15 09:53	8/25/15	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	08/27/15 09:53	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	91	70 - 130	08/27/15 09:53	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

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	08/25/15 14:16	8/24/15	
4,4'-DDE	0.0113 U	0.0225	0.0113	1	08/25/15 14:16	8/24/15	
4,4'-DDT	0.0135 U	0.0225	0.0135	1	08/25/15 14:16	8/24/15	
Aldrin	0.0192 U	0.0225	0.0192	1	08/25/15 14:16	8/24/15	
alpha-BHC	0.0158 U	0.0225	0.0158	1	08/25/15 14:16	8/24/15	
alpha-Chlordane	0.00899 U	0.0225	0.00899	1	08/25/15 14:16	8/24/15	
beta-BHC	0.0113 U	0.0225	0.0113	1	08/25/15 14:16	8/24/15	
Chlordane	0.292 U	0.562	0.292	1	08/25/15 14:16	8/24/15	
delta-BHC	0.0236 U	0.0236	0.0236	1	08/25/15 14:16	8/24/15	
Dieldrin	0.0124 U	0.0225	0.0124	1	08/25/15 14:16	8/24/15	
Endosulfan I	0.00787 U	0.0225	0.00787	1	08/25/15 14:16	8/24/15	
Endosulfan II	0.0113 U	0.0225	0.0113	1	08/25/15 14:16	8/24/15	
Endosulfan Sulfate	0.00787 U	0.0225	0.00787	1	08/25/15 14:16	8/24/15	
Endrin	0.0102 U	0.0225	0.0102	1	08/25/15 14:16	8/24/15	
Endrin Aldehyde	0.0315 U	0.0315	0.0315	1	08/25/15 14:16	8/24/15	
Endrin Ketone	0.0102 U	0.0225	0.0102	1	08/25/15 14:16	8/24/15	
gamma-BHC (Lindane)	0.0147 U	0.0225	0.0147	1	08/25/15 14:16	8/24/15	
gamma-Chlordane	0.0124 U	0.0225	0.0124	1	08/25/15 14:16	8/24/15	
Heptachlor	0.0169 U	0.0225	0.0169	1	08/25/15 14:16	8/24/15	
Heptachlor Epoxide	0.0113 U	0.0225	0.0113	1	08/25/15 14:16	8/24/15	
Methoxychlor	0.0102 U	0.0449	0.0102	1	08/25/15 14:16	8/24/15	
Toxaphene	0.288 U	0.562	0.288	1	08/25/15 14:16	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	38	10 - 160	08/25/15 14:16	
Tetrachloro-m-xylene	70	22 - 126	08/25/15 14:16	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45
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	08/26/15 14:54	8/24/15	
Aroclor 1221	0.326 U	0.562	0.326	1	08/26/15 14:54	8/24/15	
Aroclor 1232	0.225 U	0.562	0.225	1	08/26/15 14:54	8/24/15	
Aroclor 1242	0.147 U	0.562	0.147	1	08/26/15 14:54	8/24/15	
Aroclor 1248	0.293 U	0.562	0.293	1	08/26/15 14:54	8/24/15	
Aroclor 1254	0.371 U	0.562	0.371	1	08/26/15 14:54	8/24/15	
Aroclor 1260	0.301 U	0.562	0.301	1	08/26/15 14:54	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	40	10 - 151	08/26/15 14:54	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total	6020	0.2 U	ug/L	1.0	0.2	1	08/26/15 03:59	08/20/15	
Arsenic, Total	6020	1.0 I	ug/L	1.0	0.5	1	08/26/15 03:59	08/20/15	
Barium, Total	6020	15.3	ug/L	2.0	0.5	1	08/26/15 03:59	08/20/15	
Beryllium, Total	6020	0.04 U	ug/L	0.50	0.04	1	08/26/15 03:59	08/20/15	
Cadmium, Total	6020	0.10 U	ug/L	0.40	0.10	1	08/26/15 03:59	08/20/15	
Chromium, Total	6020	1.7	ug/L	1.0	0.2	1	08/26/15 03:59	08/20/15	
Cobalt, Total	6020	0.7 I	ug/L	1.0	0.03	1	08/26/15 03:59	08/20/15	
Copper, Total	6020	0.7 I	ug/L	1.0	0.3	1	08/26/15 03:59	08/20/15	
Iron, Total	6010B	6190	ug/L	100	3	1	08/20/15 22:40	08/20/15	
Lead, Total	6020	0.16 I	ug/L	0.50	0.12	1	08/26/15 03:59	08/20/15	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	08/24/15 14:46	08/21/15	
Nickel, Total	6020	0.6 I	ug/L	2.0	0.5	1	08/26/15 03:59	08/20/15	
Selenium, Total	6020	1.1 U	ug/L	2.0	1.1	1	08/26/15 03:59	08/20/15	
Silver, Total	6020	0.06 U	ug/L	0.50	0.06	1	08/26/15 03:59	08/20/15	
Sodium, Total	6010B	6.26	mg/L	0.50	0.03	1	08/20/15 22:40	08/20/15	
Thallium, Total	6020	0.05 U	ug/L	0.20	0.05	1	08/26/15 03:59	08/20/15	
Tin, Total	6020	0.2 U	ug/L	5.0	0.2	1	08/26/15 03:59	08/20/15	
Vanadium, Total	6020	2.6	ug/L	2.0	0.3	1	08/26/15 03:59	08/20/15	
Zinc, Total	6020	2.0 I	ug/L	5.0	1.6	1	08/26/15 03:59	08/20/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29A
Lab Code: J1506641-003

Service Request: J1506641
Date Collected: 08/18/15 11:50
Date Received: 08/19/15 09:45

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	1.11	mg/L	0.010	0.007	1	08/26/15 14:21	NA	
Chloride	300.0	6.8	mg/L	1.0	0.2	1	08/19/15 22:59	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	08/24/15 12:36	08/21/15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	08/19/15 22:59	NA	
Solids, Total Dissolved	SM 2540 C	120	mg/L	10	10	1	08/24/15 14:08	NA	
Sulfide, Total	SM 4500-S2- F	6.0	mg/L	2.0	0.4	1	08/25/15 09:55	NA	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45

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	08/20/15 13:01	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 13:01	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 13:01	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 13:01	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 13:01	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 13:01	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 13:01	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 13:01	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 13:01	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 13:01	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 13:01	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 13:01	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 13:01	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 13:01	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 13:01	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 13:01	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 13:01	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 13:01	
2-Butanone (MEK)	3.8 U	10	3.8	1	08/20/15 13:01	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 13:01	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 13:01	
Acetone	5.6 U	50	5.6	1	08/20/15 13:01	
Acetonitrile	18 U	25	18	1	08/20/15 13:01	
Acrolein	28 U	50	28	1	08/20/15 13:01	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 13:01	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 13:01	
Benzene	0.21 U	1.0	0.21	1	08/20/15 13:01	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 13:01	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 13:01	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 13:01	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 13:01	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 13:01	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 13:01	
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 13:01	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 13:01	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 13:01	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 13:01	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 13:01	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 13:01	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 13:01	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 13:01	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 13:01	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 13:01	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45

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	08/20/15 13:01	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 13:01	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 13:01	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 13:01	*
Isobutyl Alcohol	43 U	100	43	1	08/20/15 13:01	
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 13:01	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 13:01	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 13:01	
Methylene Chloride	0.21 U	5.0	0.21	1	08/20/15 13:01	
Naphthalene	0.38 U	10	0.38	1	08/20/15 13:01	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 13:01	
Propionitrile	3.9 U	25	3.9	1	08/20/15 13:01	
Styrene	0.29 U	1.0	0.29	1	08/20/15 13:01	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 13:01	
Toluene	0.19 U	1.0	0.19	1	08/20/15 13:01	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 13:01	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 13:01	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 13:01	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 13:01	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 13:01	
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 13:01	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 13:01	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	72 - 121	08/20/15 13:01	
4-Bromofluorobenzene	93	86 - 113	08/20/15 13:01	
Dibromofluoromethane	102	86 - 112	08/20/15 13:01	
Toluene-d8	98	88 - 115	08/20/15 13:01	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45

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	08/25/15 15:29	8/24/15	
1,2,4-Trichlorobenzene	0.667 U	5.56	0.667	1	08/25/15 15:29	8/24/15	
1,2-Dichlorobenzene	0.712 U	5.56	0.712	1	08/25/15 15:29	8/24/15	
1,3,5-Trinitrobenzene	1.67 U	5.56	1.67	1	08/25/15 15:29	8/24/15	
1,3-Dichlorobenzene	1.03 U	5.56	1.03	1	08/25/15 15:29	8/24/15	
1,3-Dinitrobenzene	0.712 U	11.1	0.712	1	08/25/15 15:29	8/24/15	
1,4-Dichlorobenzene	1.02 U	5.56	1.02	1	08/25/15 15:29	8/24/15	
1,4-Naphthoquinone	1.78 U	11.1	1.78	1	08/25/15 15:29	8/24/15	
1-Naphthylamine	2.23 U	5.56	2.23	1	08/25/15 15:29	8/24/15	
2,3,4,6-Tetrachlorophenol	1.78 U	5.56	1.78	1	08/25/15 15:29	8/24/15	
2,4,5-Trichlorophenol	1.45 U	5.56	1.45	1	08/25/15 15:29	8/24/15	
2,4,6-Trichlorophenol	0.989 U	5.56	0.989	1	08/25/15 15:29	8/24/15	
2,4-Dichlorophenol	1.34 U	5.56	1.34	1	08/25/15 15:29	8/24/15	
2,4-Dimethylphenol	1.67 U	5.56	1.67	1	08/25/15 15:29	8/24/15	
2,4-Dinitrophenol	0.845 U	22.2	0.845	1	08/25/15 15:29	8/24/15	
2,4-Dinitrotoluene	1.45 U	5.56	1.45	1	08/25/15 15:29	8/24/15	
2,6-Dichlorophenol	1.45 U	11.1	1.45	1	08/25/15 15:29	8/24/15	
2,6-Dinitrotoluene	1.23 U	5.56	1.23	1	08/25/15 15:29	8/24/15	
2-Acetylaminofluorene	1.07 U	5.56	1.07	1	08/25/15 15:29	8/24/15	
2-Chloronaphthalene	5.12 U	5.56	5.12	1	08/25/15 15:29	8/24/15	
2-Chlorophenol	1.34 U	5.56	1.34	1	08/25/15 15:29	8/24/15	
2-Methylnaphthalene	0.701 U	5.56	0.701	1	08/25/15 15:29	8/24/15	
2-Methylphenol	1.45 U	5.56	1.45	1	08/25/15 15:29	8/24/15	
2-Naphthylamine	2.56 U	5.56	2.56	1	08/25/15 15:29	8/24/15	
2-Nitroaniline	1.67 U	5.56	1.67	1	08/25/15 15:29	8/24/15	
2-Nitrophenol	1.56 U	22.2	1.56	1	08/25/15 15:29	8/24/15	
3- and 4-Methylphenol Coelution	1.12 U	5.56	1.12	1	08/25/15 15:29	8/24/15	
3,3'-Dichlorobenzidine	1.56 U	22.2	1.56	1	08/25/15 15:29	8/24/15	
3,3'-Dimethylbenzidine	5.34 U	22.2	5.34	1	08/25/15 15:29	8/24/15	*
3-Methylcholanthrene	1.56 U	5.56	1.56	1	08/25/15 15:29	8/24/15	
3-Nitroaniline	1.23 U	5.56	1.23	1	08/25/15 15:29	8/24/15	
4,6-Dinitro-2-methylphenol	1.12 U	22.2	1.12	1	08/25/15 15:29	8/24/15	
4-Aminobiphenyl	2.12 U	5.56	2.12	1	08/25/15 15:29	8/24/15	*
4-Bromophenyl Phenyl Ether	1.45 U	5.56	1.45	1	08/25/15 15:29	8/24/15	
4-Chloro-3-methylphenol	2.00 U	5.56	2.00	1	08/25/15 15:29	8/24/15	
4-Chloroaniline	1.56 U	5.56	1.56	1	08/25/15 15:29	8/24/15	
4-Chlorophenyl Phenyl Ether	1.07 U	5.56	1.07	1	08/25/15 15:29	8/24/15	
4-Nitroaniline	1.12 U	5.56	1.12	1	08/25/15 15:29	8/24/15	
4-Nitrophenol	2.00 U	22.2	2.00	1	08/25/15 15:29	8/24/15	
5-Nitro-o-toluidine	1.23 U	5.56	1.23	1	08/25/15 15:29	8/24/15	
7,12-Dimethylbenz(a)anthracene	1.34 U	5.56	1.34	1	08/25/15 15:29	8/24/15	
Acenaphthene	4.67 U	5.56	4.67	1	08/25/15 15:29	8/24/15	
Acenaphthylene	1.10 U	5.56	1.10	1	08/25/15 15:29	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45

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	08/25/15 15:29	8/24/15	
Anthracene	1.78 U	5.56	1.78	1	08/25/15 15:29	8/24/15	
Benz(a)anthracene	1.12 U	5.56	1.12	1	08/25/15 15:29	8/24/15	
Benzo(a)pyrene	1.34 U	5.56	1.34	1	08/25/15 15:29	8/24/15	
Benzo(b)fluoranthene	1.12 U	5.56	1.12	1	08/25/15 15:29	8/24/15	
Benzo(g,h,i)perylene	1.56 U	5.56	1.56	1	08/25/15 15:29	8/24/15	
Benzo(k)fluoranthene	2.00 U	5.56	2.00	1	08/25/15 15:29	8/24/15	
Benzyl Alcohol	1.56 U	5.56	1.56	1	08/25/15 15:29	8/24/15	
Bis(2-chloroethoxy)methane	1.34 U	5.56	1.34	1	08/25/15 15:29	8/24/15	
Bis(2-chloroethyl) Ether	2.12 U	5.56	2.12	1	08/25/15 15:29	8/24/15	
Bis(2-chloroisopropyl) Ether	1.67 U	5.56	1.67	1	08/25/15 15:29	8/24/15	
Bis(2-ethylhexyl) Phthalate	1.67 U	5.56	1.67	1	08/25/15 15:29	8/24/15	
Butyl Benzyl Phthalate	0.956 U	11.1	0.956	1	08/25/15 15:29	8/24/15	
Chlorobenzilate	1.00 U	11.1	1.00	1	08/25/15 15:29	8/24/15	
Chrysene	1.34 U	5.56	1.34	1	08/25/15 15:29	8/24/15	
Diallate	1.89 U	5.56	1.89	1	08/25/15 15:29	8/24/15	
Dibenz(a,h)anthracene	1.67 U	5.56	1.67	1	08/25/15 15:29	8/24/15	
Dibenzofuran	1.45 U	5.56	1.45	1	08/25/15 15:29	8/24/15	
Diethyl Phthalate	1.89 U	5.56	1.89	1	08/25/15 15:29	8/24/15	
Dimethyl Phthalate	1.45 U	5.56	1.45	1	08/25/15 15:29	8/24/15	
Di-n-butyl Phthalate	2.45 U	5.56	2.45	1	08/25/15 15:29	8/24/15	
Di-n-octyl Phthalate	3.12 U	5.56	3.12	1	08/25/15 15:29	8/24/15	
Diphenylamine + n-Nitrosodiphenylamine	1.23 U	5.56	1.23	1	08/25/15 15:29	8/24/15	
Ethyl Methanesulfonate	1.78 U	5.56	1.78	1	08/25/15 15:29	8/24/15	
Fluoranthene	1.56 U	5.56	1.56	1	08/25/15 15:29	8/24/15	
Fluorene	0.934 U	5.56	0.934	1	08/25/15 15:29	8/24/15	
Hexachlorobenzene	1.89 U	5.56	1.89	1	08/25/15 15:29	8/24/15	
Hexachlorobutadiene	1.34 U	5.56	1.34	1	08/25/15 15:29	8/24/15	
Hexachlorocyclopentadiene	0.556 U	5.56	0.556	1	08/25/15 15:29	8/24/15	
Hexachloroethane	0.901 U	5.56	0.901	1	08/25/15 15:29	8/24/15	
Hexachloropropene	1.02 U	5.56	1.02	1	08/25/15 15:29	8/24/15	
Indeno(1,2,3-cd)pyrene	1.89 U	5.56	1.89	1	08/25/15 15:29	8/24/15	
Isodrin	2.00 U	11.1	2.00	1	08/25/15 15:29	8/24/15	
Isophorone	2.00 U	5.56	2.00	1	08/25/15 15:29	8/24/15	
Isosafrole	1.10 U	5.56	1.10	1	08/25/15 15:29	8/24/15	
Kepone	4.23 U	55.6	4.23	1	08/25/15 15:29	8/24/15	*
Methapyrilene	3.67 U	5.56	3.67	1	08/25/15 15:29	8/24/15	
Methyl Methanesulfonate	1.78 U	5.56	1.78	1	08/25/15 15:29	8/24/15	
Naphthalene	0.589 U	5.56	0.589	1	08/25/15 15:29	8/24/15	
Nitrobenzene	2.34 U	5.56	2.34	1	08/25/15 15:29	8/24/15	
N-Nitrosodiethylamine	1.67 U	5.56	1.67	1	08/25/15 15:29	8/24/15	
N-Nitrosodimethylamine	1.07 U	5.56	1.07	1	08/25/15 15:29	8/24/15	
N-Nitrosodi-n-butylamine	1.67 U	5.56	1.67	1	08/25/15 15:29	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45

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
N-Nitrosodi-n-propylamine	2.45 U	5.56	2.45	1	08/25/15 15:29	8/24/15	
N-Nitrosomethylethylamine	1.07 U	5.56	1.07	1	08/25/15 15:29	8/24/15	
N-Nitrosopiperidine	1.45 U	5.56	1.45	1	08/25/15 15:29	8/24/15	
N-Nitrosopyrrolidine	1.89 U	5.56	1.89	1	08/25/15 15:29	8/24/15	
o-Toluidine	2.00 U	5.56	2.00	1	08/25/15 15:29	8/24/15	
p-Dimethylaminoazobenzene	1.23 U	5.56	1.23	1	08/25/15 15:29	8/24/15	
Pentachlorobenzene	0.989 U	5.56	0.989	1	08/25/15 15:29	8/24/15	
Pentachloronitrobenzene (PCNB)	2.78 U	5.56	2.78	1	08/25/15 15:29	8/24/15	
Pentachlorophenol (PCP)	1.23 U	22.2	1.23	1	08/25/15 15:29	8/24/15	
Phenacetin	2.34 U	5.56	2.34	1	08/25/15 15:29	8/24/15	
Phenanthrene	1.56 U	5.56	1.56	1	08/25/15 15:29	8/24/15	
Phenol	0.656 U	5.56	0.656	1	08/25/15 15:29	8/24/15	
p-Phenylenediamine	1.34 U	22.2	1.34	1	08/25/15 15:29	8/24/15	*
Pronamide	1.89 U	22.2	1.89	1	08/25/15 15:29	8/24/15	
Pyrene	0.823 U	5.56	0.823	1	08/25/15 15:29	8/24/15	
Safrole	0.956 U	5.56	0.956	1	08/25/15 15:29	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	2 - 128	08/25/15 15:29	
2-Fluorobiphenyl	69	8 - 135	08/25/15 15:29	
2-Fluorophenol	51	6 - 76	08/25/15 15:29	
Nitrobenzene-d5	69	10 - 125	08/25/15 15:29	
Phenol-d6	40	6 - 56	08/25/15 15:29	
p-Terphenyl-d14	73	4 - 141	08/25/15 15:29	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

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

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0489 U	0.111	0.0489	1	08/25/15 17:11	8/24/15	
2-Methylnaphthalene	0.0514 I	0.111	0.0489	1	08/25/15 17:11	8/24/15	
Acenaphthene	0.0456 U	0.111	0.0456	1	08/25/15 17:11	8/24/15	
Acenaphthylene	0.0278 U	0.111	0.0278	1	08/25/15 17:11	8/24/15	
Anthracene	0.0423 U	0.111	0.0423	1	08/25/15 17:11	8/24/15	
Benz(a)anthracene	0.0599 I	0.111	0.0389	1	08/25/15 17:11	8/24/15	
Benzo(a)pyrene	0.0345 U	0.111	0.0345	1	08/25/15 17:11	8/24/15	
Benzo(b)fluoranthene	0.0278 U	0.111	0.0278	1	08/25/15 17:11	8/24/15	
Benzo(g,h,i)perylene	0.0434 U	0.111	0.0434	1	08/25/15 17:11	8/24/15	
Benzo(k)fluoranthene	0.0389 U	0.111	0.0389	1	08/25/15 17:11	8/24/15	
Chrysene	0.0267 U	0.111	0.0267	1	08/25/15 17:11	8/24/15	
Dibenz(a,h)anthracene	0.0400 U	0.111	0.0400	1	08/25/15 17:11	8/24/15	
Fluoranthene	0.0434 U	0.111	0.0434	1	08/25/15 17:11	8/24/15	
Fluorene	0.0523 U	0.111	0.0523	1	08/25/15 17:11	8/24/15	
Indeno(1,2,3-cd)pyrene	0.0445 U	0.111	0.0445	1	08/25/15 17:11	8/24/15	
Naphthalene	0.260	0.111	0.0434	1	08/25/15 17:11	8/24/15	
Phenanthrene	0.0389 U	0.111	0.0389	1	08/25/15 17:11	8/24/15	
Pyrene	0.0345 U	0.111	0.0345	1	08/25/15 17:11	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	71	22 - 105	08/25/15 17:11	
p-Terphenyl-d14	75	25 - 127	08/25/15 17:11	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45
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	0.0204	0.00713	1	08/27/15 10:19	8/25/15	
1,2-Dibromoethane (EDB)	0.00713 U	0.0204	0.00713	1	08/27/15 10:19	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	100	70 - 130	08/27/15 10:19	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45

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	08/25/15 14:33	8/24/15	
4,4'-DDE	0.0114 U	0.0227	0.0114	1	08/25/15 14:33	8/24/15	
4,4'-DDT	0.0137 U	0.0227	0.0137	1	08/25/15 14:33	8/24/15	
Aldrin	0.0194 U	0.0227	0.0194	1	08/25/15 14:33	8/24/15	
alpha-BHC	0.0160 U	0.0227	0.0160	1	08/25/15 14:33	8/24/15	
alpha-Chlordane	0.00910 U	0.0227	0.00910	1	08/25/15 14:33	8/24/15	
beta-BHC	0.0114 U	0.0227	0.0114	1	08/25/15 14:33	8/24/15	
Chlordane	0.295 U	0.568	0.295	1	08/25/15 14:33	8/24/15	
delta-BHC	0.0239 U	0.0239	0.0239	1	08/25/15 14:33	8/24/15	
Dieldrin	0.0125 U	0.0227	0.0125	1	08/25/15 14:33	8/24/15	
Endosulfan I	0.00796 U	0.0227	0.00796	1	08/25/15 14:33	8/24/15	
Endosulfan II	0.0114 U	0.0227	0.0114	1	08/25/15 14:33	8/24/15	
Endosulfan Sulfate	0.00796 U	0.0227	0.00796	1	08/25/15 14:33	8/24/15	
Endrin	0.0103 U	0.0227	0.0103	1	08/25/15 14:33	8/24/15	
Endrin Aldehyde	0.0319 U	0.0319	0.0319	1	08/25/15 14:33	8/24/15	
Endrin Ketone	0.0103 U	0.0227	0.0103	1	08/25/15 14:33	8/24/15	
gamma-BHC (Lindane)	0.0148 U	0.0227	0.0148	1	08/25/15 14:33	8/24/15	
gamma-Chlordane	0.0125 U	0.0227	0.0125	1	08/25/15 14:33	8/24/15	
Heptachlor	0.0171 U	0.0227	0.0171	1	08/25/15 14:33	8/24/15	
Heptachlor Epoxide	0.0114 U	0.0227	0.0114	1	08/25/15 14:33	8/24/15	
Methoxychlor	0.0103 U	0.0455	0.0103	1	08/25/15 14:33	8/24/15	
Toxaphene	0.291 U	0.568	0.291	1	08/25/15 14:33	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	55	10 - 160	08/25/15 14:33	
Tetrachloro-m-xylene	54	22 - 126	08/25/15 14:33	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45
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	08/26/15 15:10	8/24/15	
Aroclor 1221	0.330 U	0.568	0.330	1	08/26/15 15:10	8/24/15	
Aroclor 1232	0.228 U	0.568	0.228	1	08/26/15 15:10	8/24/15	
Aroclor 1242	0.148 U	0.568	0.148	1	08/26/15 15:10	8/24/15	
Aroclor 1248	0.296 U	0.568	0.296	1	08/26/15 15:10	8/24/15	
Aroclor 1254	0.375 U	0.568	0.375	1	08/26/15 15:10	8/24/15	
Aroclor 1260	0.304 U	0.568	0.304	1	08/26/15 15:10	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	60	10 - 151	08/26/15 15:10	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total	6020	0.2 U	ug/L	1.0	0.2	1	08/26/15 04:04	08/20/15	
Arsenic, Total	6020	0.6 I	ug/L	1.0	0.5	1	08/26/15 04:04	08/20/15	
Barium, Total	6020	92.1	ug/L	2.0	0.5	1	08/26/15 04:04	08/20/15	
Beryllium, Total	6020	0.14 I	ug/L	0.50	0.04	1	08/26/15 04:04	08/20/15	
Cadmium, Total	6020	0.10 U	ug/L	0.40	0.10	1	08/26/15 04:04	08/20/15	
Chromium, Total	6020	1.7	ug/L	1.0	0.2	1	08/26/15 04:04	08/20/15	
Cobalt, Total	6020	0.5 I	ug/L	1.0	0.03	1	08/26/15 04:04	08/20/15	
Copper, Total	6020	0.3 U	ug/L	1.0	0.3	1	08/26/15 04:04	08/20/15	
Iron, Total	6010B	3440	ug/L	100	3	1	08/20/15 23:02	08/20/15	
Lead, Total	6020	0.12 U	ug/L	0.50	0.12	1	08/26/15 04:04	08/20/15	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	08/24/15 14:47	08/21/15	
Nickel, Total	6020	1.0 I	ug/L	2.0	0.5	1	08/26/15 04:04	08/20/15	
Selenium, Total	6020	1.1 U	ug/L	2.0	1.1	1	08/26/15 04:04	08/20/15	
Silver, Total	6020	0.06 U	ug/L	0.50	0.06	1	08/26/15 04:04	08/20/15	
Sodium, Total	6010B	26.1	mg/L	0.50	0.03	1	08/20/15 23:02	08/20/15	
Thallium, Total	6020	0.05 U	ug/L	0.20	0.05	1	08/26/15 04:04	08/20/15	
Tin, Total	6020	0.2 U	ug/L	5.0	0.2	1	08/26/15 04:04	08/20/15	
Vanadium, Total	6020	2.4	ug/L	2.0	0.3	1	08/26/15 04:04	08/20/15	
Zinc, Total	6020	1.6 U	ug/L	5.0	1.6	1	08/26/15 04:04	08/20/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-29B
Lab Code: J1506641-004

Service Request: J1506641
Date Collected: 08/18/15 11:00
Date Received: 08/19/15 09:45
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.091	mg/L	0.010	0.007	1	08/26/15 14:22	NA	
Chloride	300.0	34.8	mg/L	1.0	0.2	1	08/19/15 23:16	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	08/24/15 12:42	08/21/15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	08/19/15 23:16	NA	
Solids, Total Dissolved	SM 2540 C	162	mg/L	10	10	1	08/24/15 14:08	NA	
Sulfide, Total	SM 4500-S2- F	4.4	mg/L	2.0	0.4	1	08/25/15 09:55	NA	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506277-03

Service Request: J1506641
Date Collected: NA
Date Received: NA

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	08/20/15 11:29	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 11:29	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 11:29	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 11:29	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 11:29	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 11:29	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 11:29	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 11:29	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 11:29	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 11:29	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 11:29	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 11:29	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 11:29	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 11:29	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 11:29	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 11:29	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 11:29	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 11:29	
2-Butanone (MEK)	3.8 U	10	3.8	1	08/20/15 11:29	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 11:29	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 11:29	
Acetone	5.6 U	50	5.6	1	08/20/15 11:29	
Acetonitrile	18 U	25	18	1	08/20/15 11:29	
Acrolein	28 U	50	28	1	08/20/15 11:29	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 11:29	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 11:29	
Benzene	0.21 U	1.0	0.21	1	08/20/15 11:29	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 11:29	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 11:29	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 11:29	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 11:29	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 11:29	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 11:29	
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 11:29	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 11:29	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 11:29	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 11:29	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 11:29	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 11:29	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 11:29	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 11:29	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 11:29	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 11:29	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506277-03

Service Request: J1506641
Date Collected: NA
Date Received: NA
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	08/20/15 11:29	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 11:29	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 11:29	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 11:29	
Isobutyl Alcohol	43 U	100	43	1	08/20/15 11:29	
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 11:29	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 11:29	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 11:29	
Methylene Chloride	0.21 U	5.0	0.21	1	08/20/15 11:29	
Naphthalene	0.38 U	10	0.38	1	08/20/15 11:29	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 11:29	
Propionitrile	3.9 U	25	3.9	1	08/20/15 11:29	
Styrene	0.29 U	1.0	0.29	1	08/20/15 11:29	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 11:29	
Toluene	0.19 U	1.0	0.19	1	08/20/15 11:29	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 11:29	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 11:29	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 11:29	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 11:29	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 11:29	
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 11:29	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 11:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	72 - 121	08/20/15 11:29	
4-Bromofluorobenzene	95	86 - 113	08/20/15 11:29	
Dibromofluoromethane	100	86 - 112	08/20/15 11:29	
Toluene-d8	100	88 - 115	08/20/15 11:29	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506350-01

Service Request: J1506641
Date Collected: NA
Date Received: NA

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	1.20 U	5.00	1.20	1	08/25/15 13:19	8/24/15	
1,2,4-Trichlorobenzene	0.600 U	5.00	0.600	1	08/25/15 13:19	8/24/15	
1,2-Dichlorobenzene	0.640 U	5.00	0.640	1	08/25/15 13:19	8/24/15	
1,3,5-Trinitrobenzene	1.50 U	5.00	1.50	1	08/25/15 13:19	8/24/15	
1,3-Dichlorobenzene	0.920 U	5.00	0.920	1	08/25/15 13:19	8/24/15	
1,3-Dinitrobenzene	0.640 U	10.0	0.640	1	08/25/15 13:19	8/24/15	
1,4-Dichlorobenzene	0.910 U	5.00	0.910	1	08/25/15 13:19	8/24/15	
1,4-Naphthoquinone	1.60 U	10.0	1.60	1	08/25/15 13:19	8/24/15	
1-Naphthylamine	2.00 U	5.00	2.00	1	08/25/15 13:19	8/24/15	
2,3,4,6-Tetrachlorophenol	1.60 U	5.00	1.60	1	08/25/15 13:19	8/24/15	
2,4,5-Trichlorophenol	1.30 U	5.00	1.30	1	08/25/15 13:19	8/24/15	
2,4,6-Trichlorophenol	0.890 U	5.00	0.890	1	08/25/15 13:19	8/24/15	
2,4-Dichlorophenol	1.20 U	5.00	1.20	1	08/25/15 13:19	8/24/15	
2,4-Dimethylphenol	1.50 U	5.00	1.50	1	08/25/15 13:19	8/24/15	
2,4-Dinitrophenol	0.760 U	20.0	0.760	1	08/25/15 13:19	8/24/15	
2,4-Dinitrotoluene	1.30 U	5.00	1.30	1	08/25/15 13:19	8/24/15	
2,6-Dichlorophenol	1.30 U	10.0	1.30	1	08/25/15 13:19	8/24/15	
2,6-Dinitrotoluene	1.10 U	5.00	1.10	1	08/25/15 13:19	8/24/15	
2-Acetylaminofluorene	0.960 U	5.00	0.960	1	08/25/15 13:19	8/24/15	
2-Chloronaphthalene	4.60 U	5.00	4.60	1	08/25/15 13:19	8/24/15	
2-Chlorophenol	1.20 U	5.00	1.20	1	08/25/15 13:19	8/24/15	
2-Methylnaphthalene	0.630 U	5.00	0.630	1	08/25/15 13:19	8/24/15	
2-Methylphenol	1.30 U	5.00	1.30	1	08/25/15 13:19	8/24/15	
2-Naphthylamine	2.30 U	5.00	2.30	1	08/25/15 13:19	8/24/15	
2-Nitroaniline	1.50 U	5.00	1.50	1	08/25/15 13:19	8/24/15	
2-Nitrophenol	1.40 U	20.0	1.40	1	08/25/15 13:19	8/24/15	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	08/25/15 13:19	8/24/15	
3,3'-Dichlorobenzidine	1.40 U	20.0	1.40	1	08/25/15 13:19	8/24/15	
3,3'-Dimethylbenzidine	4.80 U	20.0	4.80	1	08/25/15 13:19	8/24/15	
3-Methylcholanthrene	1.40 U	5.00	1.40	1	08/25/15 13:19	8/24/15	
3-Nitroaniline	1.10 U	5.00	1.10	1	08/25/15 13:19	8/24/15	
4,6-Dinitro-2-methylphenol	1.00 U	20.0	1.00	1	08/25/15 13:19	8/24/15	
4-Aminobiphenyl	1.90 U	5.00	1.90	1	08/25/15 13:19	8/24/15	
4-Bromophenyl Phenyl Ether	1.30 U	5.00	1.30	1	08/25/15 13:19	8/24/15	
4-Chloro-3-methylphenol	1.80 U	5.00	1.80	1	08/25/15 13:19	8/24/15	
4-Chloroaniline	1.40 U	5.00	1.40	1	08/25/15 13:19	8/24/15	
4-Chlorophenyl Phenyl Ether	0.960 U	5.00	0.960	1	08/25/15 13:19	8/24/15	
4-Nitroaniline	1.00 U	5.00	1.00	1	08/25/15 13:19	8/24/15	
4-Nitrophenol	1.80 U	20.0	1.80	1	08/25/15 13:19	8/24/15	
5-Nitro-o-toluidine	1.10 U	5.00	1.10	1	08/25/15 13:19	8/24/15	
7,12-Dimethylbenz(a)anthracene	1.20 U	5.00	1.20	1	08/25/15 13:19	8/24/15	
Acenaphthene	4.20 U	5.00	4.20	1	08/25/15 13:19	8/24/15	
Acenaphthylene	0.990 U	5.00	0.990	1	08/25/15 13:19	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506350-01

Service Request: J1506641
Date Collected: NA
Date Received: NA
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	1.60 U	10.0	1.60	1	08/25/15 13:19	8/24/15	
Anthracene	1.60 U	5.00	1.60	1	08/25/15 13:19	8/24/15	
Benz(a)anthracene	1.00 U	5.00	1.00	1	08/25/15 13:19	8/24/15	
Benzo(a)pyrene	1.20 U	5.00	1.20	1	08/25/15 13:19	8/24/15	
Benzo(b)fluoranthene	1.00 U	5.00	1.00	1	08/25/15 13:19	8/24/15	
Benzo(g,h,i)perylene	1.40 U	5.00	1.40	1	08/25/15 13:19	8/24/15	
Benzo(k)fluoranthene	1.80 U	5.00	1.80	1	08/25/15 13:19	8/24/15	
Benzyl Alcohol	1.40 U	5.00	1.40	1	08/25/15 13:19	8/24/15	
Bis(2-chloroethoxy)methane	1.20 U	5.00	1.20	1	08/25/15 13:19	8/24/15	
Bis(2-chloroethyl) Ether	1.90 U	5.00	1.90	1	08/25/15 13:19	8/24/15	
Bis(2-chloroisopropyl) Ether	1.50 U	5.00	1.50	1	08/25/15 13:19	8/24/15	
Bis(2-ethylhexyl) Phthalate	1.50 U	5.00	1.50	1	08/25/15 13:19	8/24/15	
Butyl Benzyl Phthalate	0.860 U	10.0	0.860	1	08/25/15 13:19	8/24/15	
Chlorobenzilate	0.900 U	10.0	0.900	1	08/25/15 13:19	8/24/15	
Chrysene	1.20 U	5.00	1.20	1	08/25/15 13:19	8/24/15	
Diallate	1.70 U	5.00	1.70	1	08/25/15 13:19	8/24/15	
Dibenz(a,h)anthracene	1.50 U	5.00	1.50	1	08/25/15 13:19	8/24/15	
Dibenzofuran	1.30 U	5.00	1.30	1	08/25/15 13:19	8/24/15	
Diethyl Phthalate	1.70 U	5.00	1.70	1	08/25/15 13:19	8/24/15	
Dimethyl Phthalate	1.30 U	5.00	1.30	1	08/25/15 13:19	8/24/15	
Di-n-butyl Phthalate	2.20 U	5.00	2.20	1	08/25/15 13:19	8/24/15	
Di-n-octyl Phthalate	2.80 U	5.00	2.80	1	08/25/15 13:19	8/24/15	
Diphenylamine + n-Nitrosodiphenylamine	1.10 U	5.00	1.10	1	08/25/15 13:19	8/24/15	
Ethyl Methanesulfonate	1.60 U	5.00	1.60	1	08/25/15 13:19	8/24/15	
Fluoranthene	1.40 U	5.00	1.40	1	08/25/15 13:19	8/24/15	
Fluorene	0.840 U	5.00	0.840	1	08/25/15 13:19	8/24/15	
Hexachlorobenzene	1.70 U	5.00	1.70	1	08/25/15 13:19	8/24/15	
Hexachlorobutadiene	1.20 U	5.00	1.20	1	08/25/15 13:19	8/24/15	
Hexachlorocyclopentadiene	0.500 U	5.00	0.500	1	08/25/15 13:19	8/24/15	
Hexachloroethane	0.810 U	5.00	0.810	1	08/25/15 13:19	8/24/15	
Hexachloropropene	0.910 U	5.00	0.910	1	08/25/15 13:19	8/24/15	
Indeno(1,2,3-cd)pyrene	1.70 U	5.00	1.70	1	08/25/15 13:19	8/24/15	
Isodrin	1.80 U	10.0	1.80	1	08/25/15 13:19	8/24/15	
Isophorone	1.80 U	5.00	1.80	1	08/25/15 13:19	8/24/15	
Isosafrole	0.990 U	5.00	0.990	1	08/25/15 13:19	8/24/15	
Kepone	3.80 U	50.0	3.80	1	08/25/15 13:19	8/24/15	
Methapyrilene	3.30 U	5.00	3.30	1	08/25/15 13:19	8/24/15	
Methyl Methanesulfonate	1.60 U	5.00	1.60	1	08/25/15 13:19	8/24/15	
Naphthalene	0.530 U	5.00	0.530	1	08/25/15 13:19	8/24/15	
Nitrobenzene	2.10 U	5.00	2.10	1	08/25/15 13:19	8/24/15	
N-Nitrosodiethylamine	1.50 U	5.00	1.50	1	08/25/15 13:19	8/24/15	
N-Nitrosodimethylamine	0.960 U	5.00	0.960	1	08/25/15 13:19	8/24/15	
N-Nitrosodi-n-butylamine	1.50 U	5.00	1.50	1	08/25/15 13:19	8/24/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506350-01

Service Request: J1506641
Date Collected: NA
Date Received: NA

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
N-Nitrosodi-n-propylamine	2.20 U	5.00	2.20	1	08/25/15 13:19	8/24/15	
N-Nitrosomethylethylamine	0.960 U	5.00	0.960	1	08/25/15 13:19	8/24/15	
N-Nitrosopiperidine	1.30 U	5.00	1.30	1	08/25/15 13:19	8/24/15	
N-Nitrosopyrrolidine	1.70 U	5.00	1.70	1	08/25/15 13:19	8/24/15	
o-Toluidine	1.80 U	5.00	1.80	1	08/25/15 13:19	8/24/15	
p-Dimethylaminoazobenzene	1.10 U	5.00	1.10	1	08/25/15 13:19	8/24/15	
Pentachlorobenzene	0.890 U	5.00	0.890	1	08/25/15 13:19	8/24/15	
Pentachloronitrobenzene (PCNB)	2.50 U	5.00	2.50	1	08/25/15 13:19	8/24/15	
Pentachlorophenol (PCP)	1.10 U	20.0	1.10	1	08/25/15 13:19	8/24/15	
Phenacetin	2.10 U	5.00	2.10	1	08/25/15 13:19	8/24/15	
Phenanthrene	1.40 U	5.00	1.40	1	08/25/15 13:19	8/24/15	
Phenol	0.590 U	5.00	0.590	1	08/25/15 13:19	8/24/15	
p-Phenylenediamine	1.20 U	20.0	1.20	1	08/25/15 13:19	8/24/15	
Pronamide	1.70 U	20.0	1.70	1	08/25/15 13:19	8/24/15	
Pyrene	0.740 U	5.00	0.740	1	08/25/15 13:19	8/24/15	
Safrole	0.860 U	5.00	0.860	1	08/25/15 13:19	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	77	2 - 128	08/25/15 13:19	
2-Fluorobiphenyl	71	8 - 135	08/25/15 13:19	
2-Fluorophenol	53	6 - 76	08/25/15 13:19	
Nitrobenzene-d5	73	10 - 125	08/25/15 13:19	
Phenol-d6	44	6 - 56	08/25/15 13:19	
p-Terphenyl-d14	83	4 - 141	08/25/15 13:19	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506380-01

Service Request: J1506641
Date Collected: NA
Date Received: NA
Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

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

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0440 U	0.100	0.0440	1	08/25/15 14:54	8/24/15	
2-Methylnaphthalene	0.0440 U	0.100	0.0440	1	08/25/15 14:54	8/24/15	
Acenaphthene	0.0410 U	0.100	0.0410	1	08/25/15 14:54	8/24/15	
Acenaphthylene	0.0250 U	0.100	0.0250	1	08/25/15 14:54	8/24/15	
Anthracene	0.0380 U	0.100	0.0380	1	08/25/15 14:54	8/24/15	
Benz(a)anthracene	0.0350 U	0.100	0.0350	1	08/25/15 14:54	8/24/15	
Benzo(a)pyrene	0.0310 U	0.100	0.0310	1	08/25/15 14:54	8/24/15	
Benzo(b)fluoranthene	0.0250 U	0.100	0.0250	1	08/25/15 14:54	8/24/15	
Benzo(g,h,i)perylene	0.0390 U	0.100	0.0390	1	08/25/15 14:54	8/24/15	
Benzo(k)fluoranthene	0.0350 U	0.100	0.0350	1	08/25/15 14:54	8/24/15	
Chrysene	0.0240 U	0.100	0.0240	1	08/25/15 14:54	8/24/15	
Dibenz(a,h)anthracene	0.0360 U	0.100	0.0360	1	08/25/15 14:54	8/24/15	
Fluoranthene	0.0390 U	0.100	0.0390	1	08/25/15 14:54	8/24/15	
Fluorene	0.0470 U	0.100	0.0470	1	08/25/15 14:54	8/24/15	
Indeno(1,2,3-cd)pyrene	0.0400 U	0.100	0.0400	1	08/25/15 14:54	8/24/15	
Naphthalene	0.0390 U	0.100	0.0390	1	08/25/15 14:54	8/24/15	
Phenanthrene	0.0350 U	0.100	0.0350	1	08/25/15 14:54	8/24/15	
Pyrene	0.0310 U	0.100	0.0310	1	08/25/15 14:54	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	67	22 - 105	08/25/15 14:54	
p-Terphenyl-d14	76	25 - 127	08/25/15 14:54	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506391-01

Service Request: J1506641
Date Collected: NA
Date Received: NA
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	08/27/15 07:18	8/25/15	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	08/27/15 07:18	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	65	70 - 130	08/27/15 07:18	*

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506349-01

Service Request: J1506641
Date Collected: NA
Date Received: NA
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	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
4,4'-DDE	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
4,4'-DDT	0.0120 U	0.0200	0.0120	1	08/25/15 12:52	8/24/15	
Aldrin	0.0170 U	0.0200	0.0170	1	08/25/15 12:52	8/24/15	
alpha-BHC	0.0140 U	0.0200	0.0140	1	08/25/15 12:52	8/24/15	
alpha-Chlordane	0.00800 U	0.0200	0.00800	1	08/25/15 12:52	8/24/15	
beta-BHC	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
Chlordane	0.259 U	0.500	0.259	1	08/25/15 12:52	8/24/15	
delta-BHC	0.0210 U	0.0210	0.0210	1	08/25/15 12:52	8/24/15	
Dieldrin	0.0110 U	0.0200	0.0110	1	08/25/15 12:52	8/24/15	
Endosulfan I	0.00700 U	0.0200	0.00700	1	08/25/15 12:52	8/24/15	
Endosulfan II	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
Endosulfan Sulfate	0.00700 U	0.0200	0.00700	1	08/25/15 12:52	8/24/15	
Endrin	0.00900 U	0.0200	0.00900	1	08/25/15 12:52	8/24/15	
Endrin Aldehyde	0.0280 U	0.0280	0.0280	1	08/25/15 12:52	8/24/15	
Endrin Ketone	0.00900 U	0.0200	0.00900	1	08/25/15 12:52	8/24/15	
gamma-BHC (Lindane)	0.0130 U	0.0200	0.0130	1	08/25/15 12:52	8/24/15	
gamma-Chlordane	0.0110 U	0.0200	0.0110	1	08/25/15 12:52	8/24/15	
Heptachlor	0.0150 U	0.0200	0.0150	1	08/25/15 12:52	8/24/15	
Heptachlor Epoxide	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
Methoxychlor	0.00900 U	0.0400	0.00900	1	08/25/15 12:52	8/24/15	
Toxaphene	0.256 U	0.500	0.256	1	08/25/15 12:52	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	74	10 - 160	08/25/15 12:52	
Tetrachloro-m-xylene	65	22 - 126	08/25/15 12:52	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506349-01

Service Request: J1506641
Date Collected: NA
Date Received: NA

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	0.130 U	0.500	0.130	1	08/26/15 13:35	8/24/15	
Aroclor 1221	0.290 U	0.500	0.290	1	08/26/15 13:35	8/24/15	
Aroclor 1232	0.200 U	0.500	0.200	1	08/26/15 13:35	8/24/15	
Aroclor 1242	0.130 U	0.500	0.130	1	08/26/15 13:35	8/24/15	
Aroclor 1248	0.260 U	0.500	0.260	1	08/26/15 13:35	8/24/15	
Aroclor 1254	0.330 U	0.500	0.330	1	08/26/15 13:35	8/24/15	
Aroclor 1260	0.267 U	0.500	0.267	1	08/26/15 13:35	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	80	10 - 151	08/26/15 13:35	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: J1506641-MB

Service Request: J1506641
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	6020	0.2 U	ug/L	1.0	0.2	1	08/26/15 02:40	08/20/15	
Arsenic, Total	6020	0.5 U	ug/L	1.0	0.5	1	08/26/15 02:40	08/20/15	
Barium, Total	6020	0.5 U	ug/L	2.0	0.5	1	08/26/15 02:40	08/20/15	
Beryllium, Total	6020	0.04 U	ug/L	0.50	0.04	1	08/26/15 02:40	08/20/15	
Cadmium, Total	6020	0.10 U	ug/L	0.40	0.10	1	08/26/15 02:40	08/20/15	
Chromium, Total	6020	0.2 U	ug/L	1.0	0.2	1	08/26/15 02:40	08/20/15	
Cobalt, Total	6020	0.03 U	ug/L	1.0	0.03	1	08/26/15 02:40	08/20/15	
Copper, Total	6020	0.3 U	ug/L	1.0	0.3	1	08/26/15 02:40	08/20/15	
Iron, Total	6010B	3	ug/L	100	3	1	08/20/15 19:45	08/20/15	
Lead, Total	6020	0.12 U	ug/L	0.50	0.12	1	08/26/15 02:40	08/20/15	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	08/24/15 14:28	08/21/15	
Nickel, Total	6020	0.5 U	ug/L	2.0	0.5	1	08/26/15 02:40	08/20/15	
Selenium, Total	6020	1.1 U	ug/L	2.0	1.1	1	08/26/15 02:40	08/20/15	
Silver, Total	6020	0.06 U	ug/L	0.50	0.06	1	08/26/15 02:40	08/20/15	
Sodium, Total	6010B	0.08	mg/L	0.50	0.03	1	08/20/15 19:45	08/20/15	
Thallium, Total	6020	0.05 U	ug/L	0.20	0.05	1	08/26/15 02:40	08/20/15	
Tin, Total	6020	0.2 U	ug/L	5.0	0.2	1	08/26/15 02:40	08/20/15	
Vanadium, Total	6020	0.3 U	ug/L	2.0	0.3	1	08/26/15 02:40	08/20/15	
Zinc, Total	6020	1.6 U	ug/L	5.0	1.6	1	08/26/15 02:40	08/20/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: J1506641-MB

Service Request: J1506641
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	08/26/15 13:54	NA	
Chloride	300.0	0.2 U	mg/L	1.0	0.2	1	08/19/15 18:02	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	08/24/15 12:25	08/21/15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	08/19/15 18:02	NA	
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	08/24/15 14:08	NA	
Sulfide, Total	SM 4500-S2- F	0.4 U	mg/L	2.0	0.4	1	08/25/15 09:55	NA	

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

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-28A	J1506641-001	102	94	103
MW-28B	J1506641-002	102	95	102
MW-29A	J1506641-003	103	94	102
MW-29B	J1506641-004	103	93	102
Lab Control Sample	JQ1506277-01	100	98	104
Duplicate Lab Control Sample	JQ1506277-02	99	96	103
Method Blank	JQ1506277-03	103	95	100

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8
		88 - 115
MW-28A	J1506641-001	99
MW-28B	J1506641-002	100
MW-29A	J1506641-003	99
MW-29B	J1506641-004	98
Lab Control Sample	JQ1506277-01	99
Duplicate Lab Control Sample	JQ1506277-02	100
Method Blank	JQ1506277-03	100

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506641
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/20/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	Units:	ug/L
		Basis:	NA
		Analysis Lot:	458479

Analyte Name	Lab Control Sample JQ1506277-01			Duplicate Lab Control Sample JQ1506277-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1,2-Tetrachloroethane	44.8	50.0	90	45.2	50.0	90	77-118	<1	30
1,1,1-Trichloroethane (TCA)	45.8	50.0	92	45.5	50.0	91	70-122	<1	30
1,1,2,2-Tetrachloroethane	43.9	50.0	88	45.1	50.0	90	66-135	3	30
1,1,2-Trichloroethane	43.6	50.0	87	43.1	50.0	86	75-122	1	30
1,1-Dichloroethane (1,1-DCA)	45.9	50.0	92	45.7	50.0	91	79-117	<1	30
1,1-Dichloroethene (1,1-DCE)	47.0	50.0	94	46.0	50.0	92	72-128	2	30
1,1-Dichloropropene	47.3	50.0	95	46.6	50.0	93	77-120	1	30
1,2,3-Trichloropropane	44.5	50.0	89	45.4	50.0	91	70-123	2	30
1,2,4-Trichlorobenzene	47.5	50.0	95	46.3	50.0	93	66-127	3	30
1,2-Dibromo-3-chloropropane (DBCP)	45.8	50.0	92	47.3	50.0	95	60-122	3	30
1,2-Dibromoethane (EDB)	44.3	50.0	89	44.8	50.0	90	76-118	1	30
1,2-Dichlorobenzene	43.1	50.0	86	42.7	50.0	85	81-115	<1	30
1,2-Dichloroethane	43.9	50.0	88	43.9	50.0	88	70-117	<1	30
1,2-Dichloropropane	44.1	50.0	88	44.2	50.0	88	79-117	<1	30
1,3-Dichlorobenzene	45.3	50.0	91	44.8	50.0	90	82-116	1	30
1,3-Dichloropropane	44.4	50.0	89	44.7	50.0	89	77-120	<1	30
1,4-Dichlorobenzene	44.2	50.0	88	43.8	50.0	88	82-115	<1	30
2,2-Dichloropropane	47.6	50.0	95	46.5	50.0	93	58-137	2	30
2-Butanone (MEK)	47.4	50.0	95	49.4	50.0	99	62-138	4	30
2-Hexanone	48.8	50.0	98	50.6	50.0	101	74-127	4	30
4-Methyl-2-pentanone (MIBK)	47.4	50.0	95	48.9	50.0	98	77-120	3	30
Acetone	47.0	50.0	94	48.9	50.0	98	42-161	4	30
Acetonitrile	47.6	50.0	95	49.5	50.0	99	42-149	4	30
Acrolein	116	125	93	119	125	95	10-135	3	30
Acrylonitrile	47.6	50.0	95	49.1	50.0	98	63-132	3	30
Allyl Chloride	50.9	50.0	102	49.9	50.0	100	68-125	2	30
Benzene	45.6	50.0	91	45.5	50.0	91	80-117	<1	30
Bromochloromethane	44.9	50.0	90	44.2	50.0	88	78-118	2	30
Bromodichloromethane	45.3	50.0	91	45.0	50.0	90	75-118	<1	30
Bromoform	44.5	50.0	89	45.4	50.0	91	63-121	2	30
Bromomethane	21.6	50.0	43	23.7	50.0	47	31-153	9	30
Carbon Disulfide	46.5	50.0	93	46.1	50.0	92	72-128	<1	30
Carbon Tetrachloride	43.5	50.0	87	43.1	50.0	86	67-124	<1	30
Chlorobenzene	43.9	50.0	88	44.4	50.0	89	83-118	1	30
Chloroethane	43.4	50.0	87	42.1	50.0	84	68-132	3	30
Chloroform	45.7	50.0	91	45.5	50.0	91	77-116	<1	30
Chloromethane	32.1	50.0	64	30.7	50.0	61	60-128	4	30
Chloroprene	47.7	50.0	95	47.3	50.0	95	70-123	<1	30
cis-1,2-Dichloroethene	46.3	50.0	93	46.0	50.0	92	78-117	<1	30
cis-1,3-Dichloropropene	47.6	50.0	95	47.8	50.0	96	80-119	<1	30
Dibromochloromethane	45.5	50.0	91	46.0	50.0	92	74-121	1	30

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506641
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/20/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	Units:	ug/L
		Basis:	NA
		Analysis Lot:	458479

Analyte Name	Lab Control Sample JQ1506277-01			Duplicate Lab Control Sample JQ1506277-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Dibromomethane	45.3	50.0	91	45.6	50.0	91	76-117	<1	30
Dichlorodifluoromethane	41.9	50.0	84	40.5	50.0	81	49-132	3	30
Ethyl Methacrylate	46.8	50.0	94	46.8	50.0	94	72-126	<1	30
Ethylbenzene	46.6	50.0	93	46.7	50.0	93	82-119	<1	30
Hexachlorobutadiene	45.1	50.0	90	43.2	50.0	86	65-132	4	30
Iodomethane	18.0	50.0	36 *	19.7	50.0	39 *	51-137	9	30
Isobutyl Alcohol	50.4	50.0	101	47.2	50.0	94	32-145	7	30
m,p-Xylenes	92.9	100	93	93.9	100	94	79-122	1	30
Methacrylonitrile	47.1	50.0	94	48.6	50.0	97	68-129	3	30
Methyl Methacrylate	47.2	50.0	94	47.9	50.0	96	73-128	1	30
Methylene Chloride	44.2	50.0	88	44.0	50.0	88	75-123	<1	30
Naphthalene	46.1	50.0	92	46.0	50.0	92	53-146	<1	30
o-Xylene	46.5	50.0	93	46.5	50.0	93	80-119	<1	30
Propionitrile	48.7	50.0	97	49.7	50.0	99	59-134	2	30
Styrene	46.1	50.0	92	46.3	50.0	93	80-121	<1	30
Tetrachloroethene (PCE)	45.6	50.0	91	44.4	50.0	89	75-126	3	30
Toluene	44.1	50.0	88	44.5	50.0	89	52-152	<1	30
trans-1,2-Dichloroethene	45.8	50.0	92	46.2	50.0	92	75-121	<1	30
trans-1,3-Dichloropropene	44.6	50.0	89	44.6	50.0	89	76-118	<1	30
trans-1,4-Dichloro-2-butene	44.3	50.0	89	44.7	50.0	89	10-198	<1	30
Trichloroethene (TCE)	45.6	50.0	91	45.3	50.0	91	78-122	<1	30
Trichlorofluoromethane	44.5	50.0	89	44.0	50.0	88	58-134	1	30
Vinyl Acetate	46.3	50.0	93	46.6	50.0	93	36-169	<1	30
Vinyl Chloride	42.0	50.0	84	35.7	50.0	71	69-138	16	30

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

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-28A	J1506641-001	97	65	47
MW-28B	J1506641-002	91	76	58
MW-29A	J1506641-003	75	57	44
MW-29B	J1506641-004	78	69	51
Method Blank	JQ1506350-01	77	71	53
Lab Control Sample	JQ1506350-02	87	60	44

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

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-28A	J1506641-001	65	39	83
MW-28B	J1506641-002	78	46	68
MW-29A	J1506641-003	59	37	68
MW-29B	J1506641-004	69	40	73
Method Blank	JQ1506350-01	73	44	83
Lab Control Sample	JQ1506350-02	59	37	82

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

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-28A	J1506641-001	83
MW-28B	J1506641-002	68
MW-29A	J1506641-003	68
MW-29B	J1506641-004	73
Method Blank	JQ1506350-01	83
Lab Control Sample	JQ1506350-02	82

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

SURROGATE RECOVERY SUMMARY
Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270D SIM

Extraction Method: EPA 3510C

Sample Name	Lab Code	2-Fluorobiphenyl	p-Terphenyl-d14
		22 - 105	25 - 127
MW-28A	J1506641-001	65	79
MW-28B	J1506641-002	79	72
MW-29A	J1506641-003	60	73
MW-29B	J1506641-004	71	75
Method Blank	JQ1506380-01	67	76

ALS Group USA, Corp.
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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506641
Date Analyzed: 08/25/15
Date Extracted: 08/24/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Units: ug/L
Basis: NA
Analysis Lot: 459448

Lab Control Sample
JQ1506350-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2,4,5-Tetrachlorobenzene	23.8	40.0	59	32-144
1,2,4-Trichlorobenzene	22.5	40.0	56	31-130
1,2-Dichlorobenzene	21.3	40.0	53	32-127
1,3,5-Trinitrobenzene	37.3	40.0	93	40-151
1,3-Dichlorobenzene	21.2	40.0	53	29-125
1,3-Dinitrobenzene	30.4	40.0	76	34-156
1,4-Dichlorobenzene	21.7	40.0	54	30-129
1,4-Naphthoquinone	28.0	40.0	70	42-172
1-Naphthylamine	37.9	40.0	95	21-156
2,3,4,6-Tetrachlorophenol	32.3	40.0	81	28-158
2,4,5-Trichlorophenol	27.7	40.0	69	32-150
2,4,6-Trichlorophenol	27.1	40.0	68	31-147
2,4-Dichlorophenol	23.6	40.0	59	32-137
2,4-Dimethylphenol	23.7	40.0	59	35-134
2,4-Dinitrophenol	40.4	40.0	101	17-150
2,4-Dinitrotoluene	31.8	40.0	79	34-160
2,6-Dichlorophenol	23.4	40.0	58	32-136
2,6-Dinitrotoluene	29.4	40.0	73	35-153
2-Acetylaminofluorene	31.5	40.0	79	42-161
2-Chloronaphthalene	24.2	40.0	61	35-138
2-Chlorophenol	21.9	40.0	55	30-124
2-Methylnaphthalene	22.7	40.0	57	29-143
2-Methylphenol	22.8	40.0	57	34-118
2-Naphthylamine	35.4	40.0	88	10-163
2-Nitroaniline	32.2	40.0	81	26-171
2-Nitrophenol	24.7	40.0	62	24-143
3- and 4-Methylphenol Coelution	23.7	40.0	59	30-117
3,3'-Dichlorobenzidine	48.6	40.0	121	43-151
3,3'-Dimethylbenzidine	4.80	80.0	0 *	9-178
3-Methylcholanthrene	29.2	40.0	73	36-151
3-Nitroaniline	32.2	40.0	81	39-145
4,6-Dinitro-2-methylphenol	37.9	40.0	95	16-167
4-Aminobiphenyl	65.4	40.0	164 *	36-149
4-Bromophenyl Phenyl Ether	30.4	40.0	76	43-145
4-Chloro-3-methylphenol	27.7	40.0	69	34-145
4-Chloroaniline	23.4	40.0	58	36-138
4-Chlorophenyl Phenyl Ether	28.5	40.0	71	39-148
4-Nitroaniline	33.7	40.0	84	40-148
4-Nitrophenol	19.9	40.0	50	14-98
7,12-Dimethylbenz(a)anthracene	31.7	40.0	79	37-139
Acenaphthene	25.8	40.0	65	32-147

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506641
Date Analyzed: 08/25/15
Date Extracted: 08/24/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Units: ug/L
Basis: NA
Analysis Lot: 459448

Lab Control Sample
JQ1506350-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Acenaphthylene	25.1	40.0	63	33-142
Acetophenone	24.2	40.0	60	33-133
Anthracene	29.9	40.0	75	41-146
Benz(a)anthracene	32.6	40.0	82	37-157
Benzo(a)pyrene	32.5	40.0	81	38-150
Benzo(b)fluoranthene	33.2	40.0	83	43-149
Benzo(g,h,i)perylene	34.3	40.0	86	34-150
Benzo(k)fluoranthene	33.5	40.0	84	35-147
Benzyl Alcohol	21.8	40.0	54	31-125
Bis(2-chloroethoxy)methane	23.5	40.0	59	32-139
Bis(2-chloroethyl) Ether	23.2	40.0	58	26-137
Bis(2-chloroisopropyl) Ether	29.0	40.0	72	26-143
Bis(2-ethylhexyl) Phthalate	31.5	40.0	79	42-155
Butyl Benzyl Phthalate	32.3	40.0	81	37-156
Chlorobenzilate	37.9	40.0	95	35-158
Chrysene	32.3	40.0	81	40-148
Diallate	31.8	40.0	79	41-138
Dibenz(a,h)anthracene	34.0	40.0	85	36-155
Dibenzofuran	26.5	40.0	66	36-149
Diethyl Phthalate	30.0	40.0	75	40-151
Dimethyl Phthalate	28.3	40.0	71	38-150
Di-n-butyl Phthalate	32.0	40.0	80	44-149
Di-n-octyl Phthalate	31.1	40.0	78	44-152
Diphenylamine + n-Nitrosodiphenylamine	29.2	40.0	73	38-152
Ethyl Methanesulfonate	23.9	40.0	60	32-135
Fluoranthene	31.6	40.0	79	40-148
Fluorene	27.9	40.0	70	38-147
Hexachlorobenzene	30.9	40.0	77	43-148
Hexachlorobutadiene	22.5	40.0	56	34-135
Hexachlorocyclopentadiene	19.2	40.0	48	26-140
Hexachloroethane	21.4	40.0	54	30-133
Hexachloropropene	23.2	40.0	58	28-139
Indeno(1,2,3-cd)pyrene	33.9	40.0	85	35-151
Isodrin	30.5	40.0	76	42-148
Isophorone	24.8	40.0	62	34-142
Isosafrole	22.6	40.0	57	32-148
Kepone	3.80	40.0	0 *	10-213
Methapyrilene	21.4	40.0	54	10-159
Methyl Methanesulfonate	20.7	40.0	52	27-133
Naphthalene	23.0	40.0	58	33-130
Nitrobenzene	24.2	40.0	60	35-137

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506641
Date Analyzed: 08/25/15
Date Extracted: 08/24/15

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Units: ug/L
Basis: NA
Analysis Lot: 459448

Lab Control Sample
JQ1506350-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
N-Nitrosodiethylamine	22.8	40.0	57	32-136
N-Nitrosodimethylamine	16.9	40.0	42	11-99
N-Nitrosodi-n-butylamine	26.8	40.0	67	37-142
N-Nitrosodi-n-propylamine	26.1	40.0	65	36-138
N-Nitrosomethylethylamine	22.7	40.0	57	34-130
N-Nitrosopiperidine	23.5	40.0	59	37-144
N-Nitrosopyrrolidine	23.9	40.0	60	32-140
o-Toluidine	28.0	40.0	70	35-133
p-Dimethylaminoazobenzene	32.3	40.0	81	40-164
Pentachlorobenzene	27.6	40.0	69	37-147
Pentachloronitrobenzene (PCNB)	32.9	40.0	82	44-154
Pentachlorophenol (PCP)	39.3	40.0	98	21-177
Phenacetin	33.9	40.0	85	47-146
Phenanthrene	30.0	40.0	75	41-145
Phenol	15.2	40.0	38	2-95
p-Phenylenediamine	4.93	40.0	12 *	62-125
Pronamide	32.0	40.0	80	43-153
Pyrene	33.1	40.0	83	38-149
Safrole	24.7	40.0	62	35-138

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

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-28A	J1506641-001	98
MW-28B	J1506641-002	96
MW-29A	J1506641-003	91
MW-29B	J1506641-004	100
Method Blank	JQ1506391-01	65 *
Lab Control Sample	JQ1506391-02	84
Duplicate Lab Control Sample	JQ1506391-03	84

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

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-28A	J1506641-001	29	40
MW-28B	J1506641-002	33	43
MW-29A	J1506641-003	38	70
MW-29B	J1506641-004	55	54
Method Blank	JQ1506349-01	74	65
Lab Control Sample	JQ1506349-02	76	65
Duplicate Lab Control Sample	JQ1506349-03	75	65

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506641

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl
		10 - 151
MW-28A	J1506641-001	30
MW-28B	J1506641-002	30
MW-29A	J1506641-003	40
MW-29B	J1506641-004	60
Method Blank	JQ1506349-01	80
Lab Control Sample	JQ1506349-02	70
Duplicate Lab Control Sample	JQ1506349-03	80

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506641
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/27/15
Sample Matrix:	Water	Date Extracted:	08/25/15

Duplicate Lab Control Sample Summary

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

Analysis Method:	8011	Units:	ug/L
Prep Method:	Method	Basis:	NA
		Analysis Lot:	459718

Analyte Name	Lab Control Sample JQ1506391-02			Duplicate Lab Control Sample JQ1506391-03					
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane (DBCP)	0.258	0.250	103	0.249	0.250	99	70-130	4	20
1,2-Dibromoethane (EDB)	0.235	0.250	94	0.254	0.250	101	70-130	8	20

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506641
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/25/15
Sample Matrix:	Water	Date Extracted:	08/24/15

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Analysis Method:	8081A	Units:	ug/L
Prep Method:	EPA 3510C	Basis:	NA
		Analysis Lot:	459431

Lab Control Sample
JQ1506349-02

Duplicate Lab Control Sample
JQ1506349-03

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0734	0.100	73	0.0769	0.100	77	12-121	5	30
4,4'-DDE	0.0722	0.100	72	0.0777	0.100	78	28-117	7	30
4,4'-DDT	0.0645	0.100	65	0.0850	0.100	85	32-126	27	30
Aldrin	0.0703	0.100	70	0.0721	0.100	72	30-100	3	30
alpha-BHC	0.0702	0.100	70	0.0740	0.100	74	30-111	5	30
alpha-Chlordane	0.0686	0.100	69	0.0711	0.100	71	32-118	3	30
beta-BHC	0.0739	0.100	74	0.0763	0.100	76	35-112	3	30
delta-BHC	0.0752	0.100	75	0.0786	0.100	79	34-120	4	30
Dieldrin	0.0700	0.100	70	0.0741	0.100	74	33-118	6	30
Endosulfan I	0.0676	0.100	68	0.0741	0.100	74	14-131	9	30
Endosulfan II	0.0820	0.100	82	0.0857	0.100	86	13-134	4	30
Endosulfan Sulfate	0.0728	0.100	73	0.0814	0.100	81	33-129	11	30
Endrin	0.0720	0.100	72	0.0780	0.100	78	24-141	8	30
Endrin Aldehyde	0.0689	0.100	69	0.0701	0.100	70	10-136	2	30
Endrin Ketone	0.0697	0.100	70	0.0768	0.100	77	34-118	10	30
gamma-BHC (Lindane)	0.0685	0.100	68	0.0706	0.100	71	26-114	3	30
gamma-Chlordane	0.0685	0.100	68	0.0726	0.100	73	33-117	6	30
Heptachlor	0.0620	0.100	62	0.0649	0.100	65	27-119	5	30
Heptachlor Epoxide	0.0676	0.100	68	0.0687	0.100	69	30-124	2	30
Methoxychlor	0.0654	0.100	65	0.0778	0.100	78	18-153	17	30

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506641
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/26/15
Sample Matrix:	Water	Date Extracted:	08/24/15

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082	Units:	ug/L
Prep Method:	EPA 3510C	Basis:	NA
		Analysis Lot:	459680

Lab Control Sample
JQ1506349-02

Duplicate Lab Control Sample
JQ1506349-03

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1016	0.700	1.00	70	0.568	1.00	57	27-120	21	30
Aroclor 1260	0.670	1.00	67	0.535	1.00	54	33-112	22	30

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request:J1506641
Date Collected:08/18/15
Date Received:08/19/15
Date Analyzed:8/20/15

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-29A **Units:**ug/L
Lab Code: J1506641-003 **Basis:**NA

Matrix Spike J1506641-003MS						Duplicate Matrix Spike J1506641-003DMS					
Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Iron, Total	6010B	6190	11100	5000	99	11400	5000	105	75-125	3	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.

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request:J1506641
Date Collected:08/18/15
Date Received:08/19/15
Date Analyzed:8/20/15

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-29A **Units:**mg/L
Lab Code: J1506641-003 **Basis:**NA

Matrix Spike J1506641-003MS						Duplicate Matrix Spike J1506641-003DMS					
Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Sodium, Total	6010B	6.26	31.8	25.0	102	32.2	25.0	104	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.

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506641
Date Analyzed: 08/20/15 - 08/26/15

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1506641-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total	6020	53.4	50.0	107	80-120
Arsenic, Total	6020	50.1	50.0	100	80-120
Barium, Total	6020	102	100	102	80-120
Beryllium, Total	6020	25.8	25.0	103	80-120
Cadmium, Total	6020	20.0	20.0	100	80-120
Chromium, Total	6020	52.0	50.0	104	80-120
Cobalt, Total	6020	51.3	50.0	102	80-120
Copper, Total	6020	52.0	50.0	104	80-120
Iron, Total	6010B	5190	5000	104	80-120
Lead, Total	6020	24.9	25.0	100	80-120
Mercury, Total	7470A	1.20	1.25	96	80-120
Nickel, Total	6020	105	100	105	80-120
Selenium, Total	6020	103	100	103	80-120
Silver, Total	6020	26.0	25.0	104	80-120
Thallium, Total	6020	10.3	10.0	103	80-120
Tin, Total	6020	257	250	103	80-120
Vanadium, Total	6020	104	100	104	80-120
Zinc, Total	6020	255	250	102	80-120

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506641
Date Analyzed: 08/20/15

Lab Control Sample Summary
Inorganic Parameters

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

J1506641-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total	6010B	26.2	25.0	105	80-120

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506641
Date Analyzed: 08/19/15 - 08/26/15

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1506641-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.972	1.00	97	90-110
Chloride	300.0	23.9	25.0	96	90-110
Nitrate as Nitrogen	300.0	5.10	5.00	102	90-110
Solids, Total Dissolved	SM 2540 C	299	300	100	85-115
Sulfide, Total	SM 4500-S2- F	19.4	20.0	97	85-115

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506641**Date Analyzed:** 08/24/15

Lab Control Sample Summary
General Chemistry Parameters

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

J1506641-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	335.4	99.2	100	99	90-110

Cooler Receipt Form

Client: Progressive Waste Service Request #: 57506641
 Project: JED SWDF Baseline
 Cooler received on 8/19/15 and opened on 8/19/15 by SC
 COURIER: ALS UPS FEDEX Client Other _____ Airbill # 7811 7652 1436

- 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) 2.0°C 1.8°C 2.0°C 3.8°C
- 5 Thermometer ID T81 T81 T81 T81
- 6 Temperature Blank Present? ☒ Yes No
- 7 Were Ice or Ice Packs present? ☒ Yes 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:

One vial w/ headspace for sample MW-28A

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#

J1506641

CAS Contract

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)										PRELIMINARY INFORMATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Project Manager	Company/Address	Project Manager	Company/Address	PRELIMINARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	14



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

Thursday, August 27, 2015

ALS Environmental (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for

Project Number: J1506641, Project Name/Desc: J1506641

ENCO Workorder(s): A505311

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, August 21, 2015.

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: MW-28A		Lab ID: A505311-01		Sampled: 08/18/15 13:50		Received: 08/21/15 08:00	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8141B	08/25/15	10/01/15	08/22/15	06:45	08/26/15 22:47		
EPA 8151A	08/25/15	10/01/15	08/22/15	07:00	08/25/15 16:19		
Client ID: MW-28B		Lab ID: A505311-02		Sampled: 08/18/15 14:50		Received: 08/21/15 08:00	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8141B	08/25/15	10/01/15	08/22/15	06:45	08/26/15 23:50		
EPA 8151A	08/25/15	10/01/15	08/22/15	07:00	08/25/15 16:44		
Client ID: MW-29A		Lab ID: A505311-03		Sampled: 08/18/15 11:50		Received: 08/21/15 08:00	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8141B	08/25/15	10/01/15	08/22/15	06:45	08/27/15 00:53		
EPA 8151A	08/25/15	10/01/15	08/22/15	07:00	08/25/15 17:10		
Client ID: MW-29B		Lab ID: A505311-04		Sampled: 08/18/15 11:00		Received: 08/21/15 08:00	
Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)		
EPA 8141B	08/25/15	10/01/15	08/22/15	06:45	08/27/15 01:56		
EPA 8151A	08/25/15	10/01/15	08/22/15	07:00	08/25/15 17:36		

SAMPLE DETECTION SUMMARY

No positive results detected.

ANALYTICAL RESULTS

Description: MW-28A

Lab Sample ID: A505311-01

Received: 08/21/15 08:00

Matrix: Water

Sampled: 08/18/15 13:50

Work Order: A505311

Project: J1506641

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]^	0.28	U	ug/L	1	0.28	0.50	5H22002	EPA 8151A	08/25/15 16:19	RC	
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	5H22002	EPA 8151A	08/25/15 16:19	RC	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	5H22002	EPA 8151A	08/25/15 16:19	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	5H22002	EPA 8151A	08/25/15 16:19	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	5H22002	EPA 8151A	08/25/15 16:19	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	2.6	1	2.00	128 %	48-151	5H22002	EPA 8151A	08/25/15 16:19	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	5H22001	EPA 8141B	08/26/15 22:47	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Methyl parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	J-02
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	5H22001	EPA 8141B	08/26/15 22:47	RC	J-05
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	5H22001	EPA 8141B	08/26/15 22:47	RC	
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	5H22001	EPA 8141B	08/26/15 22:47	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	3.5	1	5.00	70 %	22-165	5H22001	EPA 8141B	08/26/15 22:47	RC	

ANALYTICAL RESULTS

Description: MW-28B

Lab Sample ID: A505311-02

Received: 08/21/15 08:00

Matrix: Water

Sampled: 08/18/15 14:50

Work Order: A505311

Project: J1506641

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]^	0.28	U	ug/L	1	0.28	0.50	5H22002	EPA 8151A	08/25/15 16:44	RC	
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	5H22002	EPA 8151A	08/25/15 16:44	RC	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	5H22002	EPA 8151A	08/25/15 16:44	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	5H22002	EPA 8151A	08/25/15 16:44	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	5H22002	EPA 8151A	08/25/15 16:44	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	2.5	1	2.00	126 %	48-151	5H22002	EPA 8151A	08/25/15 16:44	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	5H22001	EPA 8141B	08/26/15 23:50	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Methyl parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	J-02
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	5H22001	EPA 8141B	08/26/15 23:50	RC	J-05
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	5H22001	EPA 8141B	08/26/15 23:50	RC	
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	5H22001	EPA 8141B	08/26/15 23:50	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	3.8	1	5.00	76 %	22-165	5H22001	EPA 8141B	08/26/15 23:50	RC	

ANALYTICAL RESULTS

Description: MW-29A

Lab Sample ID: A505311-03

Received: 08/21/15 08:00

Matrix: Water

Sampled: 08/18/15 11:50

Work Order: A505311

Project: J1506641

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]^	0.28	U	ug/L	1	0.28	0.50	5H22002	EPA 8151A	08/25/15 17:10	RC	
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	5H22002	EPA 8151A	08/25/15 17:10	RC	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	5H22002	EPA 8151A	08/25/15 17:10	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	5H22002	EPA 8151A	08/25/15 17:10	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	5H22002	EPA 8151A	08/25/15 17:10	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	2.1	1	2.00	107 %	48-151	5H22002	EPA 8151A	08/25/15 17:10	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	5H22001	EPA 8141B	08/27/15 00:53	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Methyl parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	J-02
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	5H22001	EPA 8141B	08/27/15 00:53	RC	J-05
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	5H22001	EPA 8141B	08/27/15 00:53	RC	
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	5H22001	EPA 8141B	08/27/15 00:53	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	3.2	1	5.00	63 %	22-165	5H22001	EPA 8141B	08/27/15 00:53	RC	

ANALYTICAL RESULTS

Description: MW-29B

Lab Sample ID: A505311-04

Received: 08/21/15 08:00

Matrix: Water

Sampled: 08/18/15 11:00

Work Order: A505311

Project: J1506641

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]^	0.28	U	ug/L	1	0.28	0.50	5H22002	EPA 8151A	08/25/15 17:36	RC	
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	5H22002	EPA 8151A	08/25/15 17:36	RC	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	5H22002	EPA 8151A	08/25/15 17:36	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	5H22002	EPA 8151A	08/25/15 17:36	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	5H22002	EPA 8151A	08/25/15 17:36	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.8	1	2.00	92 %	48-151	5H22002	EPA 8151A	08/25/15 17:36	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	5H22001	EPA 8141B	08/27/15 01:56	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Methyl parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	J-02
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	5H22001	EPA 8141B	08/27/15 01:56	RC	J-05
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	5H22001	EPA 8141B	08/27/15 01:56	RC	
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	5H22001	EPA 8141B	08/27/15 01:56	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	3.4	1	5.00	67 %	22-165	5H22001	EPA 8141B	08/27/15 01:56	RC	

QUALITY CONTROL DATA

Chlorinated Herbicides by GC - Quality Control

Batch 5H22002 - EPA 3510C

Blank (5H22002-BLK1)

Prepared: 08/22/2015 07:00 Analyzed: 08/25/2015 13:19

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.28	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.44	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	1.5			ug/L	2.00		76	48-151			

LCS (5H22002-BS1)

Prepared: 08/22/2015 07:00 Analyzed: 08/25/2015 13:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.0		0.50	ug/L	2.00		101	47-142			
2,4-D	1.8		0.50	ug/L	2.00		88	37-129			
2,4-DCAA	2.0			ug/L	2.00		99	48-151			

Matrix Spike (5H22002-MS1)

Prepared: 08/22/2015 07:00 Analyzed: 08/25/2015 14:10

Source: A505155-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.8		0.50	ug/L	2.00	0.44 U	91	47-142			
2,4-D	1.6		0.50	ug/L	2.00	0.27 U	81	37-129			
2,4-DCAA	1.6			ug/L	2.00		78	48-151			

Matrix Spike Dup (5H22002-MSD1)

Prepared: 08/22/2015 07:00 Analyzed: 08/25/2015 14:36

Source: A505155-06

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	0.44 U	119	47-142	27	15	QM-11
2,4-D	2.2		0.50	ug/L	2.00	0.27 U	109	37-129	29	33	
2,4-DCAA	2.3			ug/L	2.00		114	48-151			

Organophosphorus Compounds by GC - Quality Control

Batch 5H22001 - EPA 3510C

Blank (5H22001-BLK1)

Prepared: 08/22/2015 06:45 Analyzed: 08/26/2015 17:31

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 5H22001 - EPA 3510C - Continued

Blank (5H22001-BLK1) Continued

Prepared: 08/22/2015 06:45 Analyzed: 08/26/2015 17:31

Analyte	Result	Flag	PQL	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							J-02
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							
Tokuthion (Prothiofos)	0.33	U	0.50	ug/L							
Triphenyl phosphate	4.3			ug/L	5.00		86	22-165			

LCS (5H22001-BS1)

Prepared: 08/22/2015 06:45 Analyzed: 08/26/2015 18:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	2.2		0.50	ug/L	4.00		55	10-171			
EPN	2.9		0.50	ug/L	4.00		72	10-168			
Malathion	3.1		0.50	ug/L	4.00		78	17-167			
Monocrotophos	0.22	U	0.50	ug/L	4.00			10-197			J-02
Naled	2.8		1.0	ug/L	4.00		71	10-200			QV-02
Sulfotep	2.7		0.50	ug/L	4.00		67	50-200			
TEPP	1.4		1.0	ug/L	4.00		34	10-106			
Triphenyl phosphate	4.2			ug/L	5.00		84	22-165			

Matrix Spike (5H22001-MS1)

Prepared: 08/22/2015 06:45 Analyzed: 08/26/2015 19:38

Source: A505155-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	2.2		0.50	ug/L	4.00	0.35 U	56	10-171			
EPN	3.4		0.50	ug/L	4.00	0.40 U	86	10-168			
Malathion	3.5		0.50	ug/L	4.00	0.31 U	86	17-167			
Monocrotophos	0.22	U	0.50	ug/L	4.00	0.22 U		10-197			J-02
Naled	3.1		1.0	ug/L	4.00	0.50 U	77	10-200			QV-02
Sulfotep	3.1		0.50	ug/L	4.00	0.30 U	77	50-200			
TEPP	0.63	U	1.0	ug/L	4.00	0.63 U		10-106			
Triphenyl phosphate	4.5			ug/L	5.00		90	22-165			

Matrix Spike Dup (5H22001-MSD1)

Prepared: 08/22/2015 06:45 Analyzed: 08/26/2015 20:41

Source: A505155-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	2.3		0.50	ug/L	4.00	0.35 U	58	10-171	4	20	
EPN	3.5		0.50	ug/L	4.00	0.40 U	87	10-168	1	50	

QUALITY CONTROL DATA

Organophosphorus Compounds by GC - Quality Control

Batch 5H22001 - EPA 3510C - Continued

Matrix Spike Dup (5H22001-MSD1) Continued

Prepared: 08/22/2015 06:45 Analyzed: 08/26/2015 20:41

Source: A505155-04

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Malathion	3.5		0.50	ug/L	4.00	0.31 U	88	17-167	2	39	
Monocrotophos	0.22	U	0.50	ug/L	4.00	0.22 U		10-197		29	J-02
Naled	3.1		1.0	ug/L	4.00	0.50 U	77	10-200	0.8	50	QV-02
Sulfotep	3.2		0.50	ug/L	4.00	0.30 U	79	50-200	3	25	
TEPP	0.63	U	1.0	ug/L	4.00	0.63 U		10-106		28	
Triphenyl phosphate	4.6			ug/L	5.00		93	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.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
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

Project Number: J1506641
Project Manager: Craig Myers

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID	HERB 8151A	Pest OP 8141B
				Date	Time			
J1506641-001	MW-28A	2	Water	8/18/15	1350	ENCO	X	X
J1506641-002	MW-28B	↓	Water	8/18/15	1450	ENCO	X	X
J1506641-003	MW-29A	↓	Water	8/18/15	1150	ENCO	X	X
J1506641-004	MW-29B	↓	Water	8/18/15	1100	ENCO	X	X

Test Comments

Pest OP - 8141B
HERB - 8151A

J1506641-001,2,3,4
J1506641-001,2,3,4

Report Appendix II List
Report Appendix II List

Rel: C. Tomp ~ 8-20-15 10:00am

AS05311

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 Requested FAX Date: _____ Requested Report Date: 09/02/15 8/31/15	Report Requirements ☐ I. Results Only ☒ II. Results + QC Summaries ☐ III. Results + QC and Calibration Summaries ☐ IV. Data Validation Report with Raw Data PQL/MDE/J Y EDD Y	Invoice Information PO# 5311506641 Bill to
--	---	--	---

Relinquished By:

Shirley Hight

8/20/15

Received By:

C. Tomp

8/20/15

Airbill Number

LG-215 1.2°C

blue @ 3.1

Page 100 of 118

Blue 8/21/15 8:30



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

Appendix B

Subcontracted Analytical Results

August 31, 2015

Craig Myers
ALS Environmental
9143 Philips Hwy, Suite 200
Jacksonville, FL 32256

RE: Project: J1506641
Pace Project No.: 35203713

Dear Craig Myers:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lori Palmer
lori.palmer@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: J1506641
Pace Project No.: 35203713

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236

Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: J1506641

Pace Project No.: 35203713

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35203713001	J1506641-005	Water	08/18/15 13:50	08/21/15 11:38
35203713002	J1506641-006	Water	08/18/15 14:50	08/21/15 11:38
35203713003	J1506641-007	Water	08/18/15 11:50	08/21/15 11:38
35203713004	J1506641-008	Water	08/18/15 11:00	08/21/15 11:38

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SAMPLE ANALYTE COUNT

Project: J1506641

Pace Project No.: 35203713

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35203713001	J1506641-005	EPA 508.1	JTJ	2	PASI-O
		EPA 8081	JLG	4	PASI-O
		EPA 8141	WFH	2	PASI-O
		EPA 8270	BPJ	8	PASI-C
		EPA 8270	EAO	7	PASI-O
35203713002	J1506641-006	EPA 508.1	JTJ	2	PASI-O
		EPA 8081	JLG	4	PASI-O
		EPA 8141	WFH	2	PASI-O
		EPA 8270	BPJ	8	PASI-C
		EPA 8270	EAO	7	PASI-O
35203713003	J1506641-007	EPA 508.1	JTJ	2	PASI-O
		EPA 8081	JLG	4	PASI-O
		EPA 8141	WFH	2	PASI-O
		EPA 8270	BPJ	8	PASI-C
		EPA 8270	EAO	7	PASI-O
35203713004	J1506641-008	EPA 508.1	JTJ	2	PASI-O
		EPA 8081	JLG	4	PASI-O
		EPA 8141	WFH	2	PASI-O
		EPA 8270	BPJ	8	PASI-C
		EPA 8270	EAO	7	PASI-O

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ANALYTICAL RESULTS

Project: J1506641
Pace Project No.: 35203713

Sample: J1506641-005 Lab ID: 35203713001 Collected: 08/18/15 13:50 Received: 08/21/15 11:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
508.1 GCS Pesticides Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Hexachlorobenzene	0.088 U	ug/L	0.80	0.088	1	08/28/15 10:15	08/28/15 16:08	118-74-1	Y
Surrogates									
Decachlorobiphenyl (S)	102	%	70-130		1	08/28/15 10:15	08/28/15 16:08	2051-24-3	
8081 GCS Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Chlorobenzilate	0.077 U	ug/L	0.20	0.077	1	08/25/15 08:30	08/26/15 00:48	510-15-6	
Pentachloronitrobenzene	0.066 U	ug/L	0.20	0.066	1	08/25/15 08:30	08/26/15 00:48	82-68-8	
Surrogates									
Tetrachloro-m-xylene (S)	26	%	53-130		1	08/25/15 08:30	08/26/15 00:48	877-09-8	P2,S7
Decachlorobiphenyl (S)	23	%	10-130		1	08/25/15 08:30	08/26/15 00:48	2051-24-3	
8141 GCS O/P Pesticides Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Famphur	0.58 U	ug/L	1.0	0.58	1	08/24/15 13:00	08/25/15 18:22	52-85-7	
Surrogates									
4-Chloro3nitrobenzotrifluoride	47	%	34.2-122		1	08/24/15 13:00	08/25/15 18:22		
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Diallate	2.6 U	ug/L	20.0	2.6	1	08/28/15 15:30	08/28/15 12:14	2303-16-4	Q
Kepone	6.3 U	ug/L	20.0	6.3	1	08/28/15 15:30	08/28/15 12:14	143-50-0	Q
Surrogates									
Nitrobenzene-d5 (S)	69	%	21-110		1	08/28/15 15:30	08/28/15 12:14	4165-60-0	
2-Fluorobiphenyl (S)	71	%	27-110		1	08/28/15 15:30	08/28/15 12:14	321-60-8	
Terphenyl-d14 (S)	80	%	31-107		1	08/28/15 15:30	08/28/15 12:14	1718-51-0	
Phenol-d6 (S)	35	%	10-110		1	08/28/15 15:30	08/28/15 12:14	13127-88-3	
2-Fluorophenol (S)	42	%	12-110		1	08/28/15 15:30	08/28/15 12:14	367-12-4	
2,4,6-Tribromophenol (S)	85	%	27-110		1	08/28/15 15:30	08/28/15 12:14	118-79-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2,4-Dinitrotoluene	1.1 U	ug/L	4.0	1.1	1	08/24/15 17:20	08/26/15 17:22	121-14-2	
Surrogates									
Nitrobenzene-d5 (S)	7	%	10-110		1	08/24/15 17:20	08/26/15 17:22	4165-60-0	J(S0), P2
2-Fluorobiphenyl (S)	9	%	18-110		1	08/24/15 17:20	08/26/15 17:22	321-60-8	J(S0), P2
Terphenyl-d14 (S)	12	%	10-123		1	08/24/15 17:20	08/26/15 17:22	1718-51-0	
Phenol-d6 (S)	8	%	10-110		1	08/24/15 17:20	08/26/15 17:22	13127-88-3	J(S0), P2
2-Fluorophenol (S)	7	%	18-110		1	08/24/15 17:20	08/26/15 17:22	367-12-4	J(S0), P2
2,4,6-Tribromophenol (S)	13	%	10-110		1	08/24/15 17:20	08/26/15 17:22	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J1506641
Pace Project No.: 35203713

Sample: J1506641-006 Lab ID: 35203713002 Collected: 08/18/15 14:50 Received: 08/21/15 11:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
508.1 GCS Pesticides Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Hexachlorobenzene	0.027 U	ug/L	0.24	0.027	1	08/28/15 10:15	08/28/15 16:34	118-74-1	Y
Surrogates									
Decachlorobiphenyl (S)	59	%	70-130		1	08/28/15 10:15	08/28/15 16:34	2051-24-3	J(S5), P2
8081 GCS Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Chlorobenzilate	0.077 U	ug/L	0.20	0.077	1	08/25/15 08:30	08/26/15 00:09	510-15-6	
Pentachloronitrobenzene	0.066 U	ug/L	0.20	0.066	1	08/25/15 08:30	08/26/15 00:09	82-68-8	
Surrogates									
Tetrachloro-m-xylene (S)	21	%	53-130		1	08/25/15 08:30	08/26/15 00:09	877-09-8	P2, S7
Decachlorobiphenyl (S)	21	%	10-130		1	08/25/15 08:30	08/26/15 00:09	2051-24-3	
8141 GCS O/P Pesticides Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Famphur	0.58 U	ug/L	1.0	0.58	1	08/24/15 13:00	08/25/15 19:01	52-85-7	
Surrogates									
4-Chloro3nitrobenzotrifluoride	54	%	34.2-122		1	08/24/15 13:00	08/25/15 19:01		
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Diallate	2.6 U	ug/L	20.0	2.6	1	08/28/15 15:30	08/28/15 12:44	2303-16-4	Q
Kepone	6.3 U	ug/L	20.0	6.3	1	08/28/15 15:30	08/28/15 12:44	143-50-0	Q
Surrogates									
Nitrobenzene-d5 (S)	16	%	21-110		1	08/28/15 15:30	08/28/15 12:44	4165-60-0	J(S0), P2
2-Fluorobiphenyl (S)	18	%	27-110		1	08/28/15 15:30	08/28/15 12:44	321-60-8	J(S0)
Terphenyl-d14 (S)	34	%	31-107		1	08/28/15 15:30	08/28/15 12:44	1718-51-0	
Phenol-d6 (S)	8	%	10-110		1	08/28/15 15:30	08/28/15 12:44	13127-88-3	J(S0)
2-Fluorophenol (S)	10	%	12-110		1	08/28/15 15:30	08/28/15 12:44	367-12-4	J(S0)
2,4,6-Tribromophenol (S)	30	%	27-110		1	08/28/15 15:30	08/28/15 12:44	118-79-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2,4-Dinitrotoluene	1.1 U	ug/L	4.0	1.1	1	08/24/15 17:20	08/26/15 17:46	121-14-2	
Surrogates									
Nitrobenzene-d5 (S)	11	%	10-110		1	08/24/15 17:20	08/26/15 17:46	4165-60-0	
2-Fluorobiphenyl (S)	13	%	18-110		1	08/24/15 17:20	08/26/15 17:46	321-60-8	J(S0), P2
Terphenyl-d14 (S)	19	%	10-123		1	08/24/15 17:20	08/26/15 17:46	1718-51-0	
Phenol-d6 (S)	11	%	10-110		1	08/24/15 17:20	08/26/15 17:46	13127-88-3	
2-Fluorophenol (S)	11	%	18-110		1	08/24/15 17:20	08/26/15 17:46	367-12-4	J(S0), P2
2,4,6-Tribromophenol (S)	19	%	10-110		1	08/24/15 17:20	08/26/15 17:46	118-79-6	

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ANALYTICAL RESULTS

Project: J1506641
Pace Project No.: 35203713

Sample: J1506641-007 Lab ID: 35203713003 Collected: 08/18/15 11:50 Received: 08/21/15 11:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
508.1 GCS Pesticides Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Hexachlorobenzene	0.027 U	ug/L	0.24	0.027	1	08/28/15 10:15	08/28/15 17:00	118-74-1	Y
Surrogates									
Decachlorobiphenyl (S)	102	%	70-130		1	08/28/15 10:15	08/28/15 17:00	2051-24-3	
8081 GCS Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Chlorobenzilate	0.077 U	ug/L	0.20	0.077	1	08/25/15 08:30	08/26/15 06:40	510-15-6	
Pentachloronitrobenzene	0.066 U	ug/L	0.20	0.066	1	08/25/15 08:30	08/26/15 06:40	82-68-8	
Surrogates									
Tetrachloro-m-xylene (S)	0	%	53-130		1	08/25/15 08:30	08/26/15 06:40	877-09-8	P2,S7
Decachlorobiphenyl (S)	12	%	10-130		1	08/25/15 08:30	08/26/15 06:40	2051-24-3	
8141 GCS O/P Pesticides Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Famphur	0.58 U	ug/L	1.0	0.58	1	08/24/15 13:00	08/25/15 19:39	52-85-7	
Surrogates									
4-Chloro3nitrobenzotrifluoride	56	%	34.2-122		1	08/24/15 13:00	08/25/15 19:39		
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Diallate	2.6 U	ug/L	20.0	2.6	1	08/28/15 15:30	08/28/15 13:15	2303-16-4	Q
Kepone	6.3 U	ug/L	20.0	6.3	1	08/28/15 15:30	08/28/15 13:15	143-50-0	Q
Surrogates									
Nitrobenzene-d5 (S)	67	%	21-110		1	08/28/15 15:30	08/28/15 13:15	4165-60-0	
2-Fluorobiphenyl (S)	70	%	27-110		1	08/28/15 15:30	08/28/15 13:15	321-60-8	
Terphenyl-d14 (S)	73	%	31-107		1	08/28/15 15:30	08/28/15 13:15	1718-51-0	
Phenol-d6 (S)	32	%	10-110		1	08/28/15 15:30	08/28/15 13:15	13127-88-3	
2-Fluorophenol (S)	41	%	12-110		1	08/28/15 15:30	08/28/15 13:15	367-12-4	
2,4,6-Tribromophenol (S)	78	%	27-110		1	08/28/15 15:30	08/28/15 13:15	118-79-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2,4-Dinitrotoluene	1.1 U	ug/L	4.0	1.1	1	08/24/15 17:20	08/26/15 18:09	121-14-2	
Surrogates									
Nitrobenzene-d5 (S)	15	%	10-110		1	08/24/15 17:20	08/26/15 18:09	4165-60-0	
2-Fluorobiphenyl (S)	18	%	18-110		1	08/24/15 17:20	08/26/15 18:09	321-60-8	
Terphenyl-d14 (S)	33	%	10-123		1	08/24/15 17:20	08/26/15 18:09	1718-51-0	
Phenol-d6 (S)	16	%	10-110		1	08/24/15 17:20	08/26/15 18:09	13127-88-3	
2-Fluorophenol (S)	15	%	18-110		1	08/24/15 17:20	08/26/15 18:09	367-12-4	J(S0)
2,4,6-Tribromophenol (S)	29	%	10-110		1	08/24/15 17:20	08/26/15 18:09	118-79-6	

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ANALYTICAL RESULTS

Project: J1506641
Pace Project No.: 35203713

Sample: J1506641-008 Lab ID: 35203713004 Collected: 08/18/15 11:00 Received: 08/21/15 11:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
508.1 GCS Pesticides Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Hexachlorobenzene	0.055 U	ug/L	0.50	0.055	1	08/28/15 10:15	08/28/15 17:26	118-74-1	Y
Surrogates									
Decachlorobiphenyl (S)	102	%	70-130		1	08/28/15 10:15	08/28/15 17:26	2051-24-3	
8081 GCS Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Chlorobenzilate	0.077 U	ug/L	0.20	0.077	1	08/25/15 08:30	08/26/15 05:22	510-15-6	
Pentachloronitrobenzene	0.066 U	ug/L	0.20	0.066	1	08/25/15 08:30	08/26/15 05:22	82-68-8	
Surrogates									
Tetrachloro-m-xylene (S)	23	%	53-130		1	08/25/15 08:30	08/26/15 05:22	877-09-8	P2,S7
Decachlorobiphenyl (S)	21	%	10-130		1	08/25/15 08:30	08/26/15 05:22	2051-24-3	
8141 GCS O/P Pesticides Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Famphur	0.58 U	ug/L	1.0	0.58	1	08/24/15 13:00	08/25/15 20:18	52-85-7	
Surrogates									
4-Chloro3nitrobenzotrifluoride	41	%	34.2-122		1	08/24/15 13:00	08/25/15 20:18		
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Diallate	2.6 U	ug/L	20.0	2.6	1	08/28/15 15:30	08/28/15 13:45	2303-16-4	Q
Kepone	6.3 U	ug/L	20.0	6.3	1	08/28/15 15:30	08/28/15 13:45	143-50-0	Q
Surrogates									
Nitrobenzene-d5 (S)	12	%	21-110		1	08/28/15 15:30	08/28/15 13:45	4165-60-0	J(S0), P2
2-Fluorobiphenyl (S)	11	%	27-110		1	08/28/15 15:30	08/28/15 13:45	321-60-8	J(S0)
Terphenyl-d14 (S)	26	%	31-107		1	08/28/15 15:30	08/28/15 13:45	1718-51-0	J(S0)
Phenol-d6 (S)	5	%	10-110		1	08/28/15 15:30	08/28/15 13:45	13127-88-3	J(S0)
2-Fluorophenol (S)	7	%	12-110		1	08/28/15 15:30	08/28/15 13:45	367-12-4	J(S0)
2,4,6-Tribromophenol (S)	24	%	27-110		1	08/28/15 15:30	08/28/15 13:45	118-79-6	J(S0)
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2,4-Dinitrotoluene	1.1 U	ug/L	4.0	1.1	1	08/24/15 17:20	08/26/15 18:33	121-14-2	
Surrogates									
Nitrobenzene-d5 (S)	21	%	10-110		1	08/24/15 17:20	08/26/15 18:33	4165-60-0	
2-Fluorobiphenyl (S)	25	%	18-110		1	08/24/15 17:20	08/26/15 18:33	321-60-8	
Terphenyl-d14 (S)	38	%	10-123		1	08/24/15 17:20	08/26/15 18:33	1718-51-0	
Phenol-d6 (S)	22	%	10-110		1	08/24/15 17:20	08/26/15 18:33	13127-88-3	
2-Fluorophenol (S)	22	%	18-110		1	08/24/15 17:20	08/26/15 18:33	367-12-4	
2,4,6-Tribromophenol (S)	37	%	10-110		1	08/24/15 17:20	08/26/15 18:33	118-79-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J1506641

Pace Project No.: 35203713

QC Batch:	OEXT/24058	Analysis Method:	EPA 508.1
QC Batch Method:	EPA 508.1	Analysis Description:	508 GCS Pesticide
Associated Lab Samples: 35203713001, 35203713002, 35203713003, 35203713004			

METHOD BLANK:	1315435	Matrix:	Water
Associated Lab Samples: 35203713001, 35203713002, 35203713003, 35203713004			

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachlorobenzene	ug/L	0.011 U	0.10	08/28/15 15:15	
Decachlorobiphenyl (S)	%	97	70-130	08/28/15 15:15	

LABORATORY CONTROL SAMPLE: 1315436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/L	.5	0.50	101	70-130	
Decachlorobiphenyl (S)	%			85	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J1506641

Pace Project No.: 35203713

QC Batch:	OEXT/23998	Analysis Method:	EPA 8081
QC Batch Method:	EPA 3510	Analysis Description:	8081 GCS Pesticides
Associated Lab Samples:	35203713001, 35203713002, 35203713003, 35203713004		

METHOD BLANK:	1310962	Matrix:	Water
Associated Lab Samples:	35203713001, 35203713002, 35203713003, 35203713004		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorobenzilate	ug/L	0.039 U	0.10	08/25/15 21:13	
Pentachloronitrobenzene	ug/L	0.033 U	0.10	08/25/15 21:13	
Decachlorobiphenyl (S)	%	56	10-130	08/25/15 21:13	
Tetrachloro-m-xylene (S)	%	63	53-130	08/25/15 21:13	

LABORATORY CONTROL SAMPLE & LCSD:		1310963	1311328							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Decachlorobiphenyl (S)	%				49	46	10-130			
Tetrachloro-m-xylene (S)	%				56	54	53-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J1506641

Pace Project No.: 35203713

QC Batch: OEXT/23960 Analysis Method: EPA 8141
QC Batch Method: EPA 3510 Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 35203713001, 35203713002, 35203713003, 35203713004

METHOD BLANK: 1308132 Matrix: Water
Associated Lab Samples: 35203713001, 35203713002, 35203713003, 35203713004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Famphur	ug/L	0.29 U	0.50	08/25/15 12:36	
4-Chloro3nitrobenzotrifluoride	%	86	34.2-122	08/25/15 12:36	

LABORATORY CONTROL SAMPLE & LCSD: 1308133		1310403								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Famphur	ug/L	2	1.6	0.93	81	47	38-143	53	40	J(R1)
4-Chloro3nitrobenzotrifluoride	%				73	119	34.2-122			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J1506641

Pace Project No.: 35203713

QC Batch: OEXT/37330 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 35203713001, 35203713002, 35203713003, 35203713004

METHOD BLANK: 1541783 Matrix: Water
Associated Lab Samples: 35203713001, 35203713002, 35203713003, 35203713004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diallate	ug/L	1.3 U	10.0	08/28/15 10:41	
Kepone	ug/L	3.1 U	10.0	08/28/15 10:41	
2,4,6-Tribromophenol (S)	%	82	27-110	08/28/15 10:41	
2-Fluorobiphenyl (S)	%	74	27-110	08/28/15 10:41	
2-Fluorophenol (S)	%	38	12-110	08/28/15 10:41	
Nitrobenzene-d5 (S)	%	71	21-110	08/28/15 10:41	
Phenol-d6 (S)	%	27	10-110	08/28/15 10:41	
Terphenyl-d14 (S)	%	84	31-107	08/28/15 10:41	

LABORATORY CONTROL SAMPLE & LCSD: 1541784

LABORATORY CONTROL SAMPLE & LCSD: 1541784			1541785							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diallate	ug/L	50	37.8	39.6	76	79	47-123	5	30	
Kepone	ug/L	100	70.4	69.2	70	69	10-124	2	30	
2,4,6-Tribromophenol (S)	%				96	99	27-110			
2-Fluorobiphenyl (S)	%				66	75	27-110			
2-Fluorophenol (S)	%				35	35	12-110			
Nitrobenzene-d5 (S)	%				66	69	21-110			
Phenol-d6 (S)	%				25	26	10-110			
Terphenyl-d14 (S)	%				75	83	31-107			

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QUALITY CONTROL DATA

Project: J1506641

Pace Project No.: 35203713

QC Batch: OEXT/23987 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 35203713001, 35203713002, 35203713003, 35203713004

METHOD BLANK: 1310514 Matrix: Water
Associated Lab Samples: 35203713001, 35203713002, 35203713003, 35203713004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4-Dinitrotoluene	ug/L	0.53 U	2.0	08/26/15 16:34	
2,4,6-Tribromophenol (S)	%	86	10-110	08/26/15 16:34	
2-Fluorobiphenyl (S)	%	66	18-110	08/26/15 16:34	
2-Fluorophenol (S)	%	35	18-110	08/26/15 16:34	
Nitrobenzene-d5 (S)	%	55	10-110	08/26/15 16:34	
Phenol-d6 (S)	%	24	10-110	08/26/15 16:34	
Terphenyl-d14 (S)	%	88	10-123	08/26/15 16:34	

LABORATORY CONTROL SAMPLE: 1310515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	50	38.7	77	39-139	
2,4,6-Tribromophenol (S)	%			87	10-110	
2-Fluorobiphenyl (S)	%			65	18-110	
2-Fluorophenol (S)	%			34	18-110	
Nitrobenzene-d5 (S)	%			60	10-110	
Phenol-d6 (S)	%			26	10-110	
Terphenyl-d14 (S)	%			74	10-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1310878 1310879

Parameter	Units	35203761002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4-Dinitrotoluene	ug/L	0.51 U	48.5	48.1	37.2	34.6	77	72	39-139	7	40
2,4,6-Tribromophenol (S)	%						70	67	10-110		
2-Fluorobiphenyl (S)	%						52	48	18-110		
2-Fluorophenol (S)	%						26	25	18-110		
Nitrobenzene-d5 (S)	%						48	45	10-110		
Phenol-d6 (S)	%						23	22	10-110		
Terphenyl-d14 (S)	%						69	65	10-123		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: J1506641
Pace Project No.: 35203713

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte
PASI-O Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: GCSV/15592

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

U Compound was analyzed for but not detected.
J(R1) Estimated Value. RPD value was outside control limits.
J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.
J(S5) Estimated Value. Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
P2 Re-extraction or re-analysis could not be performed due to insufficient sample amount.
Q Sample held beyond the accepted holding time.
S7 Surrogate recovery outside control limits (not confirmed by re-analysis).
Y The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: J1506641
Pace Project No.: 35203713

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35203713001	J1506641-005	EPA 508.1	OEXT/24058	EPA 508.1	GCSV/15634
35203713002	J1506641-006	EPA 508.1	OEXT/24058	EPA 508.1	GCSV/15634
35203713003	J1506641-007	EPA 508.1	OEXT/24058	EPA 508.1	GCSV/15634
35203713004	J1506641-008	EPA 508.1	OEXT/24058	EPA 508.1	GCSV/15634
35203713001	J1506641-005	EPA 3510	OEXT/23998	EPA 8081	GCSV/15592
35203713002	J1506641-006	EPA 3510	OEXT/23998	EPA 8081	GCSV/15592
35203713003	J1506641-007	EPA 3510	OEXT/23998	EPA 8081	GCSV/15592
35203713004	J1506641-008	EPA 3510	OEXT/23998	EPA 8081	GCSV/15592
35203713001	J1506641-005	EPA 3510	OEXT/23960	EPA 8141	GCSV/15585
35203713002	J1506641-006	EPA 3510	OEXT/23960	EPA 8141	GCSV/15585
35203713003	J1506641-007	EPA 3510	OEXT/23960	EPA 8141	GCSV/15585
35203713004	J1506641-008	EPA 3510	OEXT/23960	EPA 8141	GCSV/15585
35203713001	J1506641-005	EPA 3510	OEXT/37330	EPA 8270	MSSV/11148
35203713002	J1506641-006	EPA 3510	OEXT/37330	EPA 8270	MSSV/11148
35203713003	J1506641-007	EPA 3510	OEXT/37330	EPA 8270	MSSV/11148
35203713004	J1506641-008	EPA 3510	OEXT/37330	EPA 8270	MSSV/11148
35203713001	J1506641-005	EPA 3510	OEXT/23987	EPA 8270	MSSV/8338
35203713002	J1506641-006	EPA 3510	OEXT/23987	EPA 8270	MSSV/8338
35203713003	J1506641-007	EPA 3510	OEXT/23987	EPA 8270	MSSV/8338
35203713004	J1506641-008	EPA 3510	OEXT/23987	EPA 8270	MSSV/8338

REPORT OF LABORATORY ANALYSIS

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Project Number: J1506641
Project Manager: Craig Myers

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID	Misc Out 1 <i>EPA 505</i>	Misc Out 2 <i>EPA 8081</i>	Misc Out 3 <i>EPA 8270</i>
				Date	Time				
J1506641-005	MW-28A	<i>5</i>	Water	8/18/15	1350	SunLabs	X	X	X
J1506641-006	MW-28B		Water	8/18/15	1450	SunLabs	X	X	X
J1506641-007	MW-29A		Water	8/18/15	1150	SunLabs	X	X	X
J1506641-008	MW-29B		Water	8/18/15	1100	SunLabs	X	X	X

WO# : 35203713



Test Comments

Misc Out 1 - None *505*
 Misc Out 2 - None *8081*
 Misc Out 3 - None *8270*

J1506641-005,6,7,8
 J1506641-005,6,7,8
 J1506641-005,6,7,8

Report Hexachlorobenzene Only *8270*
 Report Chlorobenzilate and Diellate Only
 Report 2,4-Dinitrotoluene, Famphur, Kepone, and Pentachloronitrobenzene Only

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 Requested FAX Date: _____ Requested Report Date: 09/02/15 <i>8/31/15</i>	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# 53J1506641
			Bill to

Relinquished By:

[Signature] *8/20/15*

Received By:

[Signature]

Page 8/21/15
11:38

Airbill Number:

	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 11, 2014
	Document No.: F-FL-C-007 rev. 06	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: ALS Project # 35203713

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other _____

Tracking # 5498 9752 7135

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used IPA-14 Type of Ice: Wet Blue None

Cooler Temperature °C 3.7 (Visual) 0 (Correction Factor) 3.7 (Actual)

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

☐ Yes ☐ No

Receipt of samples satisfactory:

☒ Yes ☐ No

Rush TAT requested on COC:

If yes, then all conditions below were met: _____ If no, then mark box & describe issue (use comments area if necessary): _____

Chain of Custody Present	☐
Chain of Custody Filled Out	☐
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐
All containers needing preservation are found to be in compliance with EPA recommendation.	☐
No Headspace in VOA Vials (>6mm):	☐

No Labels: ☐ No Time/Date on Labels: ☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____ Date: _____

Finished Product Information Only

Size & Qty of Bottles Received

F.P. Sample ID: _____	☐ 5 Gal
Production Code: _____	☐ 2.5 Gal
Date/Time Opened: _____	☐ 1 Gal
Number of Unopened Bottles Remaining: _____	☐ 1 Liter
	☐ 500 mL
	☐ 250 mL
Extra Sample in Shed: Yes ☐ No ☐	☐ Other: _____



September 10, 2015

Service Request No:J1506673

Mike Kaiser
Progressive Waste Services of Florida, Inc.
1501 Omni Way
St Cloud, FL 34773

Laboratory Results for: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)

Dear Mike,

Enclosed are the results of the sample(s) submitted to our laboratory August 20, 2015
For your reference, these analyses have been assigned our service request number **J1506673**.

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

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506673
Date Received: 8/20/15

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 QC 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

Three water samples were received for analysis at ALS Environmental on 8/20/15. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}\text{C}$ upon receipt at the lab 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) JQ1506290-01: Carbon Tetrachloride and Trichlorofluoromethane. 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.

Method 8260B: The lower control criterion was exceeded for the following analytes in the Duplicate Laboratory Control Samples (DLCS) JQ1501506290-02: 2-Hexanone, 4-Methyl-2-pentanone (MIBK), and Dichlorodifluoromethane. The analytes in question were not detected in the associated field samples. Since the analytes were detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Semi-Volatile Organic Analyses:

Method 8011: The lower control criterion was exceeded for the following surrogate in Method Blank JQ1506391-01: 1,1,1,2-Tetrachloroethane. No target analytes were detected in the Method Blank. The problem indicates a potential negative bias to the Method Blank results. No further corrective action was taken.

Method 8270C: The spike recoveries of several analytes for Laboratory Control Samples (LCS/DLCS) JQ1506381-02 and -03 were outside the lower control criterion. The analytes in question were not detected in the associated field samples. The error associated with reduced recovery equates to a potential low bias. The data is flagged to indicate the problem.

Metals Analyses:

Method 6020 Total: Sample J1506673-002 required dilution due to the presence of matrix that interfered with internal standard recovery. The reporting limits are adjusted to reflect the dilution.

General Chemistry Analyses:

Method SM4500S2F: The PQL for Sulfide for sample J1506673-002 was elevated due to color interference with titration end point.

Subcontracted Analytical Parameters:

Approved by  Date 9/10/2015

The samples were delivered to ENCO Labs in Jacksonville, FL for Organophosphorus Pesticides and Herbicides determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

The samples were delivered to Pace Analytical in Ormond Beach, FL for Various Methods determination. The certified analytical report has been included in its entirety in Appendix B: Subcontracted Analytical Results.

Approved by  Date 9/10/2015

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Department of Defense	66206	9/20/2016
Florida Department of Health	E82502	6/30/2016
Georgia Department of Natural Resources	958	6/30/2016
Kentucky Division of Waste Management	63	6/30/2016
Louisiana Department of Environmental Quality	02086	6/30/2016
Maine Department of Health and Human Services	2015002	2/3/2017
North Carolina Department of Environment and Natural Resources	527	12/31/2015
Pennsylvania Department of Environmental Protection	68-04835	8/31/2016
South Carolina Department of Health and Environmental Control	96021001	6/30/2016
Texas Commision on Environmental Quality	T104704197-13-5	5/31/2016
Virginia Environmental Accreditation Program	460191	12/14/2015

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: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544

Service Request:J1506673

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1506673-001	MW-27A	8/19/2015	0845
J1506673-002	MW-27B	8/19/2015	1000
J1506673-003	Trip Blank	8/19/2015	0000
J1506673-004	MW-27A	8/19/2015	0845
J1506673-005	MW-27B	8/19/2015	1000

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

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	08/20/15 20:53	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 20:53	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 20:53	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 20:53	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 20:53	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 20:53	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 20:53	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 20:53	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 20:53	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 20:53	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 20:53	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 20:53	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 20:53	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 20:53	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 20:53	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 20:53	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 20:53	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 20:53	
2-Butanone (MEK)	3.8 U	10	3.8	1	08/20/15 20:53	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 20:53	*
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 20:53	*
Acetone	5.6 U	50	5.6	1	08/20/15 20:53	
Acetonitrile	18 U	25	18	1	08/20/15 20:53	
Acrolein	28 U	50	28	1	08/20/15 20:53	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 20:53	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 20:53	
Benzene	0.21 U	1.0	0.21	1	08/20/15 20:53	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 20:53	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 20:53	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 20:53	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 20:53	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 20:53	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 20:53	*
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 20:53	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 20:53	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 20:53	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 20:53	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 20:53	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 20:53	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 20:53	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 20:53	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 20:53	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 20:53	*

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

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	08/20/15 20:53	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 20:53	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 20:53	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 20:53	
Isobutyl Alcohol	43 U	100	43	1	08/20/15 20:53	*
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 20:53	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 20:53	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 20:53	
Methylene Chloride	0.21 U	5.0	0.21	1	08/20/15 20:53	
Naphthalene	0.38 U	10	0.38	1	08/20/15 20:53	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 20:53	
Propionitrile	3.9 U	25	3.9	1	08/20/15 20:53	
Styrene	0.29 U	1.0	0.29	1	08/20/15 20:53	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 20:53	
Toluene	0.19 U	1.0	0.19	1	08/20/15 20:53	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 20:53	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 20:53	*
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 20:53	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 20:53	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 20:53	*
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 20:53	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 20:53	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	88	72 - 121	08/20/15 20:53	
4-Bromofluorobenzene	97	86 - 113	08/20/15 20:53	
Dibromofluoromethane	100	86 - 112	08/20/15 20:53	
Toluene-d8	102	88 - 115	08/20/15 20:53	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

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	1.27 U	5.26	1.27	1	08/26/15 13:00	8/25/15	
1,2,4-Trichlorobenzene	0.632 U	5.26	0.632	1	08/26/15 13:00	8/25/15	
1,2-Dichlorobenzene	0.674 U	5.26	0.674	1	08/26/15 13:00	8/25/15	
1,3,5-Trinitrobenzene	1.58 U	5.26	1.58	1	08/26/15 13:00	8/25/15	
1,3-Dichlorobenzene	0.969 U	5.26	0.969	1	08/26/15 13:00	8/25/15	
1,3-Dinitrobenzene	0.674 U	10.5	0.674	1	08/26/15 13:00	8/25/15	
1,4-Dichlorobenzene	0.958 U	5.26	0.958	1	08/26/15 13:00	8/25/15	
1,4-Naphthoquinone	1.69 U	10.5	1.69	1	08/26/15 13:00	8/25/15	
1-Naphthylamine	2.11 U	5.26	2.11	1	08/26/15 13:00	8/25/15	
2,3,4,6-Tetrachlorophenol	1.69 U	5.26	1.69	1	08/26/15 13:00	8/25/15	
2,4,5-Trichlorophenol	1.37 U	5.26	1.37	1	08/26/15 13:00	8/25/15	
2,4,6-Trichlorophenol	0.937 U	5.26	0.937	1	08/26/15 13:00	8/25/15	
2,4-Dichlorophenol	1.27 U	5.26	1.27	1	08/26/15 13:00	8/25/15	
2,4-Dimethylphenol	1.58 U	5.26	1.58	1	08/26/15 13:00	8/25/15	
2,4-Dinitrophenol	0.800 U	21.1	0.800	1	08/26/15 13:00	8/25/15	
2,4-Dinitrotoluene	1.37 U	5.26	1.37	1	08/26/15 13:00	8/25/15	
2,6-Dichlorophenol	1.37 U	10.5	1.37	1	08/26/15 13:00	8/25/15	
2,6-Dinitrotoluene	1.16 U	5.26	1.16	1	08/26/15 13:00	8/25/15	
2-Acetylaminofluorene	1.02 U	5.26	1.02	1	08/26/15 13:00	8/25/15	
2-Chloronaphthalene	4.85 U	5.26	4.85	1	08/26/15 13:00	8/25/15	
2-Chlorophenol	1.27 U	5.26	1.27	1	08/26/15 13:00	8/25/15	
2-Methylnaphthalene	0.664 U	5.26	0.664	1	08/26/15 13:00	8/25/15	
2-Methylphenol	1.37 U	5.26	1.37	1	08/26/15 13:00	8/25/15	
2-Naphthylamine	2.43 U	5.26	2.43	1	08/26/15 13:00	8/25/15	
2-Nitroaniline	1.58 U	5.26	1.58	1	08/26/15 13:00	8/25/15	
2-Nitrophenol	1.48 U	21.1	1.48	1	08/26/15 13:00	8/25/15	
3- and 4-Methylphenol Coelution	1.06 U	5.26	1.06	1	08/26/15 13:00	8/25/15	
3,3'-Dichlorobenzidine	1.48 U	21.1	1.48	1	08/26/15 13:00	8/25/15	
3,3'-Dimethylbenzidine	5.06 U	21.1	5.06	1	08/26/15 13:00	8/25/15	*
3-Methylcholanthrene	1.48 U	5.26	1.48	1	08/26/15 13:00	8/25/15	
3-Nitroaniline	1.16 U	5.26	1.16	1	08/26/15 13:00	8/25/15	
4,6-Dinitro-2-methylphenol	1.06 U	21.1	1.06	1	08/26/15 13:00	8/25/15	
4-Aminobiphenyl	2.00 U	5.26	2.00	1	08/26/15 13:00	8/25/15	*
4-Bromophenyl Phenyl Ether	1.37 U	5.26	1.37	1	08/26/15 13:00	8/25/15	
4-Chloro-3-methylphenol	1.90 U	5.26	1.90	1	08/26/15 13:00	8/25/15	
4-Chloroaniline	1.48 U	5.26	1.48	1	08/26/15 13:00	8/25/15	
4-Chlorophenyl Phenyl Ether	1.02 U	5.26	1.02	1	08/26/15 13:00	8/25/15	
4-Nitroaniline	1.06 U	5.26	1.06	1	08/26/15 13:00	8/25/15	
4-Nitrophenol	1.90 U	21.1	1.90	1	08/26/15 13:00	8/25/15	
5-Nitro-o-toluidine	1.16 U	5.26	1.16	1	08/26/15 13:00	8/25/15	
7,12-Dimethylbenz(a)anthracene	1.27 U	5.26	1.27	1	08/26/15 13:00	8/25/15	
Acenaphthene	4.43 U	5.26	4.43	1	08/26/15 13:00	8/25/15	
Acenaphthylene	1.05 U	5.26	1.05	1	08/26/15 13:00	8/25/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

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	1.69 U	10.5	1.69	1	08/26/15 13:00	8/25/15	
Anthracene	1.69 U	5.26	1.69	1	08/26/15 13:00	8/25/15	
Benz(a)anthracene	1.06 U	5.26	1.06	1	08/26/15 13:00	8/25/15	
Benzo(a)pyrene	1.27 U	5.26	1.27	1	08/26/15 13:00	8/25/15	
Benzo(b)fluoranthene	1.06 U	5.26	1.06	1	08/26/15 13:00	8/25/15	
Benzo(g,h,i)perylene	1.48 U	5.26	1.48	1	08/26/15 13:00	8/25/15	
Benzo(k)fluoranthene	1.90 U	5.26	1.90	1	08/26/15 13:00	8/25/15	
Benzyl Alcohol	1.48 U	5.26	1.48	1	08/26/15 13:00	8/25/15	
Bis(2-chloroethoxy)methane	1.27 U	5.26	1.27	1	08/26/15 13:00	8/25/15	
Bis(2-chloroethyl) Ether	2.00 U	5.26	2.00	1	08/26/15 13:00	8/25/15	
Bis(2-chloroisopropyl) Ether	1.58 U	5.26	1.58	1	08/26/15 13:00	8/25/15	
Bis(2-ethylhexyl) Phthalate	1.58 U	5.26	1.58	1	08/26/15 13:00	8/25/15	
Butyl Benzyl Phthalate	0.906 U	10.5	0.906	1	08/26/15 13:00	8/25/15	
Chlorobenzilate	0.948 U	10.5	0.948	1	08/26/15 13:00	8/25/15	
Chrysene	1.27 U	5.26	1.27	1	08/26/15 13:00	8/25/15	
Diallate	1.79 U	5.26	1.79	1	08/26/15 13:00	8/25/15	
Dibenz(a,h)anthracene	1.58 U	5.26	1.58	1	08/26/15 13:00	8/25/15	
Dibenzofuran	1.37 U	5.26	1.37	1	08/26/15 13:00	8/25/15	
Diethyl Phthalate	1.79 U	5.26	1.79	1	08/26/15 13:00	8/25/15	
Dimethyl Phthalate	1.37 U	5.26	1.37	1	08/26/15 13:00	8/25/15	
Di-n-butyl Phthalate	2.32 U	5.26	2.32	1	08/26/15 13:00	8/25/15	
Di-n-octyl Phthalate	2.95 U	5.26	2.95	1	08/26/15 13:00	8/25/15	
Diphenylamine + n-Nitrosodiphenylamine	1.16 U	5.26	1.16	1	08/26/15 13:00	8/25/15	
Ethyl Methanesulfonate	1.69 U	5.26	1.69	1	08/26/15 13:00	8/25/15	
Fluoranthene	1.48 U	5.26	1.48	1	08/26/15 13:00	8/25/15	
Fluorene	0.885 U	5.26	0.885	1	08/26/15 13:00	8/25/15	
Hexachlorobenzene	1.79 U	5.26	1.79	1	08/26/15 13:00	8/25/15	
Hexachlorobutadiene	1.27 U	5.26	1.27	1	08/26/15 13:00	8/25/15	
Hexachlorocyclopentadiene	0.527 U	5.26	0.527	1	08/26/15 13:00	8/25/15	
Hexachloroethane	0.853 U	5.26	0.853	1	08/26/15 13:00	8/25/15	
Hexachloropropene	0.958 U	5.26	0.958	1	08/26/15 13:00	8/25/15	
Indeno(1,2,3-cd)pyrene	1.79 U	5.26	1.79	1	08/26/15 13:00	8/25/15	
Isodrin	1.90 U	10.5	1.90	1	08/26/15 13:00	8/25/15	
Isophorone	1.90 U	5.26	1.90	1	08/26/15 13:00	8/25/15	
Isosafrole	1.05 U	5.26	1.05	1	08/26/15 13:00	8/25/15	
Kepone	4.00 U	52.6	4.00	1	08/26/15 13:00	8/25/15	*
Methapyrilene	3.48 U	5.26	3.48	1	08/26/15 13:00	8/25/15	
Methyl Methanesulfonate	1.69 U	5.26	1.69	1	08/26/15 13:00	8/25/15	
Naphthalene	0.558 U	5.26	0.558	1	08/26/15 13:00	8/25/15	
Nitrobenzene	2.22 U	5.26	2.22	1	08/26/15 13:00	8/25/15	
N-Nitrosodiethylamine	1.58 U	5.26	1.58	1	08/26/15 13:00	8/25/15	
N-Nitrosodimethylamine	1.02 U	5.26	1.02	1	08/26/15 13:00	8/25/15	
N-Nitrosodi-n-butylamine	1.58 U	5.26	1.58	1	08/26/15 13:00	8/25/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

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
N-Nitrosodi-n-propylamine	2.32 U	5.26	2.32	1	08/26/15 13:00	8/25/15	
N-Nitrosomethylethylamine	1.02 U	5.26	1.02	1	08/26/15 13:00	8/25/15	
N-Nitrosopiperidine	1.37 U	5.26	1.37	1	08/26/15 13:00	8/25/15	
N-Nitrosopyrrolidine	1.79 U	5.26	1.79	1	08/26/15 13:00	8/25/15	
o-Toluidine	1.90 U	5.26	1.90	1	08/26/15 13:00	8/25/15	
p-Dimethylaminoazobenzene	1.16 U	5.26	1.16	1	08/26/15 13:00	8/25/15	
Pentachlorobenzene	0.937 U	5.26	0.937	1	08/26/15 13:00	8/25/15	
Pentachloronitrobenzene (PCNB)	2.64 U	5.26	2.64	1	08/26/15 13:00	8/25/15	
Pentachlorophenol (PCP)	1.16 U	21.1	1.16	1	08/26/15 13:00	8/25/15	
Phenacetin	2.22 U	5.26	2.22	1	08/26/15 13:00	8/25/15	
Phenanthrene	1.48 U	5.26	1.48	1	08/26/15 13:00	8/25/15	
Phenol	0.622 U	5.26	0.622	1	08/26/15 13:00	8/25/15	
p-Phenylenediamine	1.27 U	21.1	1.27	1	08/26/15 13:00	8/25/15	*
Pronamide	1.79 U	21.1	1.79	1	08/26/15 13:00	8/25/15	
Pyrene	0.779 U	5.26	0.779	1	08/26/15 13:00	8/25/15	
Safrole	0.906 U	5.26	0.906	1	08/26/15 13:00	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	92	2 - 128	08/26/15 13:00	
2-Fluorobiphenyl	60	8 - 135	08/26/15 13:00	
2-Fluorophenol	42	6 - 76	08/26/15 13:00	
Nitrobenzene-d5	58	10 - 125	08/26/15 13:00	
Phenol-d6	34	6 - 56	08/26/15 13:00	
p-Terphenyl-d14	77	4 - 141	08/26/15 13:00	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

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

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0464 U	0.105	0.0464	1	08/26/15 14:47	8/25/15	
2-Methylnaphthalene	0.0464 U	0.105	0.0464	1	08/26/15 14:47	8/25/15	
Acenaphthene	0.0432 U	0.105	0.0432	1	08/26/15 14:47	8/25/15	
Acenaphthylene	0.0264 U	0.105	0.0264	1	08/26/15 14:47	8/25/15	
Anthracene	0.0400 U	0.105	0.0400	1	08/26/15 14:47	8/25/15	
Benz(a)anthracene	0.0369 U	0.105	0.0369	1	08/26/15 14:47	8/25/15	
Benzo(a)pyrene	0.0327 U	0.105	0.0327	1	08/26/15 14:47	8/25/15	
Benzo(b)fluoranthene	0.0264 U	0.105	0.0264	1	08/26/15 14:47	8/25/15	
Benzo(g,h,i)perylene	0.0411 U	0.105	0.0411	1	08/26/15 14:47	8/25/15	
Benzo(k)fluoranthene	0.0369 U	0.105	0.0369	1	08/26/15 14:47	8/25/15	
Chrysene	0.0253 U	0.105	0.0253	1	08/26/15 14:47	8/25/15	
Dibenz(a,h)anthracene	0.0379 U	0.105	0.0379	1	08/26/15 14:47	8/25/15	
Fluoranthene	0.0411 U	0.105	0.0411	1	08/26/15 14:47	8/25/15	
Fluorene	0.0495 U	0.105	0.0495	1	08/26/15 14:47	8/25/15	
Indeno(1,2,3-cd)pyrene	0.0422 U	0.105	0.0422	1	08/26/15 14:47	8/25/15	
Naphthalene	0.100 I	0.105	0.0411	1	08/26/15 14:47	8/25/15	
Phenanthrene	0.0369 U	0.105	0.0369	1	08/26/15 14:47	8/25/15	
Pyrene	0.0327 U	0.105	0.0327	1	08/26/15 14:47	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	63	22 - 105	08/26/15 14:47	
p-Terphenyl-d14	81	25 - 127	08/26/15 14:47	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

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	08/27/15 11:37	8/25/15	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	08/27/15 11:37	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	101	70 - 130	08/27/15 11:37	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

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	08/25/15 14:50	8/24/15	
4,4'-DDE	0.0114 U	0.0227	0.0114	1	08/25/15 14:50	8/24/15	
4,4'-DDT	0.0137 U	0.0227	0.0137	1	08/25/15 14:50	8/24/15	
Aldrin	0.0194 U	0.0227	0.0194	1	08/25/15 14:50	8/24/15	
alpha-BHC	0.0160 U	0.0227	0.0160	1	08/25/15 14:50	8/24/15	
alpha-Chlordane	0.00910 U	0.0227	0.00910	1	08/25/15 14:50	8/24/15	
beta-BHC	0.0114 U	0.0227	0.0114	1	08/25/15 14:50	8/24/15	
Chlordane	0.295 U	0.568	0.295	1	08/25/15 14:50	8/24/15	
delta-BHC	0.0239 U	0.0239	0.0239	1	08/25/15 14:50	8/24/15	
Dieldrin	0.0125 U	0.0227	0.0125	1	08/25/15 14:50	8/24/15	
Endosulfan I	0.00796 U	0.0227	0.00796	1	08/25/15 14:50	8/24/15	
Endosulfan II	0.0114 U	0.0227	0.0114	1	08/25/15 14:50	8/24/15	
Endosulfan Sulfate	0.00796 U	0.0227	0.00796	1	08/25/15 14:50	8/24/15	
Endrin	0.0103 U	0.0227	0.0103	1	08/25/15 14:50	8/24/15	
Endrin Aldehyde	0.0319 U	0.0319	0.0319	1	08/25/15 14:50	8/24/15	
Endrin Ketone	0.0103 U	0.0227	0.0103	1	08/25/15 14:50	8/24/15	
gamma-BHC (Lindane)	0.0148 U	0.0227	0.0148	1	08/25/15 14:50	8/24/15	
gamma-Chlordane	0.0125 U	0.0227	0.0125	1	08/25/15 14:50	8/24/15	
Heptachlor	0.0171 U	0.0227	0.0171	1	08/25/15 14:50	8/24/15	
Heptachlor Epoxide	0.0114 U	0.0227	0.0114	1	08/25/15 14:50	8/24/15	
Methoxychlor	0.0103 U	0.0455	0.0103	1	08/25/15 14:50	8/24/15	
Toxaphene	0.291 U	0.568	0.291	1	08/25/15 14:50	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10 - 160	08/25/15 14:50	
Tetrachloro-m-xylene	54	22 - 126	08/25/15 14:50	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

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	08/26/15 15:26	8/24/15	
Aroclor 1221	0.330 U	0.568	0.330	1	08/26/15 15:26	8/24/15	
Aroclor 1232	0.228 U	0.568	0.228	1	08/26/15 15:26	8/24/15	
Aroclor 1242	0.148 U	0.568	0.148	1	08/26/15 15:26	8/24/15	
Aroclor 1248	0.296 U	0.568	0.296	1	08/26/15 15:26	8/24/15	
Aroclor 1254	0.375 U	0.568	0.375	1	08/26/15 15:26	8/24/15	
Aroclor 1260	0.304 U	0.568	0.304	1	08/26/15 15:26	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	60	10 - 151	08/26/15 15:26	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total	6020	0.5 I	ug/L	1.0	0.2	1	08/26/15 21:07	08/26/15	
Arsenic, Total	6020	2.4	ug/L	1.0	0.5	1	08/26/15 21:07	08/26/15	
Barium, Total	6020	17.3	ug/L	2.0	0.5	1	08/26/15 21:07	08/26/15	
Beryllium, Total	6020	0.04 U	ug/L	0.50	0.04	1	08/26/15 21:07	08/26/15	
Cadmium, Total	6020	0.10 U	ug/L	0.40	0.10	1	08/26/15 21:07	08/26/15	
Chromium, Total	6020	1.3	ug/L	1.0	0.2	1	08/26/15 21:07	08/26/15	
Cobalt, Total	6020	0.3 I	ug/L	1.0	0.03	1	08/26/15 21:07	08/26/15	
Copper, Total	6020	0.3 U	ug/L	1.0	0.3	1	08/26/15 21:07	08/26/15	
Iron, Total	6010B	2610	ug/L	100	3	1	08/21/15 21:32	08/21/15	
Lead, Total	6020	0.19 I	ug/L	0.50	0.12	1	08/26/15 21:07	08/26/15	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	08/24/15 14:52	08/21/15	
Nickel, Total	6020	1.2 I	ug/L	2.0	0.5	1	08/26/15 21:07	08/26/15	
Selenium, Total	6020	1.1 U	ug/L	2.0	1.1	1	08/26/15 21:07	08/26/15	
Silver, Total	6020	0.06 U	ug/L	0.50	0.06	1	08/26/15 21:07	08/26/15	
Sodium, Total	6010B	12.4	mg/L	0.50	0.03	1	08/21/15 21:32	08/21/15	
Thallium, Total	6020	0.05 U	ug/L	0.20	0.05	1	08/26/15 21:07	08/26/15	
Tin, Total	6020	0.3 I	ug/L	5.0	0.2	1	08/26/15 21:07	08/26/15	
Vanadium, Total	6020	2.9	ug/L	2.0	0.3	1	08/26/15 21:07	08/26/15	
Zinc, Total	6020	1.6 U	ug/L	5.0	1.6	1	08/26/15 21:07	08/26/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27A
Lab Code: J1506673-001

Service Request: J1506673
Date Collected: 08/19/15 08:45
Date Received: 08/20/15 10:20

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	1.16	mg/L	0.010	0.007	1	08/26/15 14:47	NA	
Chloride	300.0	19.2	mg/L	1.0	0.2	1	08/21/15 01:25	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	08/24/15 12:43	08/21/15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	08/21/15 01:25	NA	
Solids, Total Dissolved	SM 2540 C	139	mg/L	10	10	1	08/24/15 14:08	NA	
Sulfide, Total	SM 4500-S2- F	1.9 I	mg/L	2.0	0.4	1	08/25/15 09:55	NA	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

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	08/20/15 21:16	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 21:16	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 21:16	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 21:16	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 21:16	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 21:16	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 21:16	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 21:16	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 21:16	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 21:16	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 21:16	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 21:16	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 21:16	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 21:16	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 21:16	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 21:16	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 21:16	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 21:16	
2-Butanone (MEK)	3.8 U	10	3.8	1	08/20/15 21:16	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 21:16	*
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 21:16	*
Acetone	5.6 U	50	5.6	1	08/20/15 21:16	
Acetonitrile	18 U	25	18	1	08/20/15 21:16	
Acrolein	28 U	50	28	1	08/20/15 21:16	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 21:16	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 21:16	
Benzene	0.21 U	1.0	0.21	1	08/20/15 21:16	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 21:16	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 21:16	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 21:16	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 21:16	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 21:16	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 21:16	*
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 21:16	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 21:16	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 21:16	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 21:16	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 21:16	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 21:16	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 21:16	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 21:16	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 21:16	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 21:16	*

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

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	08/20/15 21:16	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 21:16	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 21:16	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 21:16	
Isobutyl Alcohol	43 U	100	43	1	08/20/15 21:16	*
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 21:16	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 21:16	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 21:16	
Methylene Chloride	0.21 U	5.0	0.21	1	08/20/15 21:16	
Naphthalene	0.38 U	10	0.38	1	08/20/15 21:16	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 21:16	
Propionitrile	3.9 U	25	3.9	1	08/20/15 21:16	
Styrene	0.29 U	1.0	0.29	1	08/20/15 21:16	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 21:16	
Toluene	0.19 U	1.0	0.19	1	08/20/15 21:16	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 21:16	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 21:16	*
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 21:16	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 21:16	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 21:16	*
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 21:16	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 21:16	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	88	72 - 121	08/20/15 21:16	
4-Bromofluorobenzene	96	86 - 113	08/20/15 21:16	
Dibromofluoromethane	101	86 - 112	08/20/15 21:16	
Toluene-d8	102	88 - 115	08/20/15 21:16	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

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	1.20 U	5.00	1.20	1	08/26/15 13:26	8/25/15	
1,2,4-Trichlorobenzene	0.600 U	5.00	0.600	1	08/26/15 13:26	8/25/15	
1,2-Dichlorobenzene	0.640 U	5.00	0.640	1	08/26/15 13:26	8/25/15	
1,3,5-Trinitrobenzene	1.50 U	5.00	1.50	1	08/26/15 13:26	8/25/15	
1,3-Dichlorobenzene	0.920 U	5.00	0.920	1	08/26/15 13:26	8/25/15	
1,3-Dinitrobenzene	0.640 U	10.0	0.640	1	08/26/15 13:26	8/25/15	
1,4-Dichlorobenzene	0.910 U	5.00	0.910	1	08/26/15 13:26	8/25/15	
1,4-Naphthoquinone	1.60 U	10.0	1.60	1	08/26/15 13:26	8/25/15	
1-Naphthylamine	2.00 U	5.00	2.00	1	08/26/15 13:26	8/25/15	
2,3,4,6-Tetrachlorophenol	1.60 U	5.00	1.60	1	08/26/15 13:26	8/25/15	
2,4,5-Trichlorophenol	1.30 U	5.00	1.30	1	08/26/15 13:26	8/25/15	
2,4,6-Trichlorophenol	0.890 U	5.00	0.890	1	08/26/15 13:26	8/25/15	
2,4-Dichlorophenol	1.20 U	5.00	1.20	1	08/26/15 13:26	8/25/15	
2,4-Dimethylphenol	1.50 U	5.00	1.50	1	08/26/15 13:26	8/25/15	
2,4-Dinitrophenol	0.760 U	20.0	0.760	1	08/26/15 13:26	8/25/15	
2,4-Dinitrotoluene	1.30 U	5.00	1.30	1	08/26/15 13:26	8/25/15	
2,6-Dichlorophenol	1.30 U	10.0	1.30	1	08/26/15 13:26	8/25/15	
2,6-Dinitrotoluene	1.10 U	5.00	1.10	1	08/26/15 13:26	8/25/15	
2-Acetylaminofluorene	0.960 U	5.00	0.960	1	08/26/15 13:26	8/25/15	
2-Chloronaphthalene	4.60 U	5.00	4.60	1	08/26/15 13:26	8/25/15	
2-Chlorophenol	1.20 U	5.00	1.20	1	08/26/15 13:26	8/25/15	
2-Methylnaphthalene	0.630 U	5.00	0.630	1	08/26/15 13:26	8/25/15	
2-Methylphenol	1.30 U	5.00	1.30	1	08/26/15 13:26	8/25/15	
2-Naphthylamine	2.30 U	5.00	2.30	1	08/26/15 13:26	8/25/15	
2-Nitroaniline	1.50 U	5.00	1.50	1	08/26/15 13:26	8/25/15	
2-Nitrophenol	1.40 U	20.0	1.40	1	08/26/15 13:26	8/25/15	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	08/26/15 13:26	8/25/15	
3,3'-Dichlorobenzidine	1.40 U	20.0	1.40	1	08/26/15 13:26	8/25/15	
3,3'-Dimethylbenzidine	4.80 U	20.0	4.80	1	08/26/15 13:26	8/25/15	*
3-Methylcholanthrene	1.40 U	5.00	1.40	1	08/26/15 13:26	8/25/15	
3-Nitroaniline	1.10 U	5.00	1.10	1	08/26/15 13:26	8/25/15	
4,6-Dinitro-2-methylphenol	1.00 U	20.0	1.00	1	08/26/15 13:26	8/25/15	
4-Aminobiphenyl	1.90 U	5.00	1.90	1	08/26/15 13:26	8/25/15	*
4-Bromophenyl Phenyl Ether	1.30 U	5.00	1.30	1	08/26/15 13:26	8/25/15	
4-Chloro-3-methylphenol	1.80 U	5.00	1.80	1	08/26/15 13:26	8/25/15	
4-Chloroaniline	1.40 U	5.00	1.40	1	08/26/15 13:26	8/25/15	
4-Chlorophenyl Phenyl Ether	0.960 U	5.00	0.960	1	08/26/15 13:26	8/25/15	
4-Nitroaniline	1.00 U	5.00	1.00	1	08/26/15 13:26	8/25/15	
4-Nitrophenol	1.80 U	20.0	1.80	1	08/26/15 13:26	8/25/15	
5-Nitro-o-toluidine	1.10 U	5.00	1.10	1	08/26/15 13:26	8/25/15	
7,12-Dimethylbenz(a)anthracene	1.20 U	5.00	1.20	1	08/26/15 13:26	8/25/15	
Acenaphthene	4.20 U	5.00	4.20	1	08/26/15 13:26	8/25/15	
Acenaphthylene	0.990 U	5.00	0.990	1	08/26/15 13:26	8/25/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

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	1.60 U	10.0	1.60	1	08/26/15 13:26	8/25/15	
Anthracene	1.60 U	5.00	1.60	1	08/26/15 13:26	8/25/15	
Benz(a)anthracene	1.00 U	5.00	1.00	1	08/26/15 13:26	8/25/15	
Benzo(a)pyrene	1.20 U	5.00	1.20	1	08/26/15 13:26	8/25/15	
Benzo(b)fluoranthene	1.00 U	5.00	1.00	1	08/26/15 13:26	8/25/15	
Benzo(g,h,i)perylene	1.40 U	5.00	1.40	1	08/26/15 13:26	8/25/15	
Benzo(k)fluoranthene	1.80 U	5.00	1.80	1	08/26/15 13:26	8/25/15	
Benzyl Alcohol	1.40 U	5.00	1.40	1	08/26/15 13:26	8/25/15	
Bis(2-chloroethoxy)methane	1.20 U	5.00	1.20	1	08/26/15 13:26	8/25/15	
Bis(2-chloroethyl) Ether	1.90 U	5.00	1.90	1	08/26/15 13:26	8/25/15	
Bis(2-chloroisopropyl) Ether	1.50 U	5.00	1.50	1	08/26/15 13:26	8/25/15	
Bis(2-ethylhexyl) Phthalate	1.50 U	5.00	1.50	1	08/26/15 13:26	8/25/15	
Butyl Benzyl Phthalate	0.860 U	10.0	0.860	1	08/26/15 13:26	8/25/15	
Chlorobenzilate	0.900 U	10.0	0.900	1	08/26/15 13:26	8/25/15	
Chrysene	1.20 U	5.00	1.20	1	08/26/15 13:26	8/25/15	
Diallate	1.70 U	5.00	1.70	1	08/26/15 13:26	8/25/15	
Dibenz(a,h)anthracene	1.50 U	5.00	1.50	1	08/26/15 13:26	8/25/15	
Dibenzofuran	1.30 U	5.00	1.30	1	08/26/15 13:26	8/25/15	
Diethyl Phthalate	1.70 U	5.00	1.70	1	08/26/15 13:26	8/25/15	
Dimethyl Phthalate	1.30 U	5.00	1.30	1	08/26/15 13:26	8/25/15	
Di-n-butyl Phthalate	2.20 U	5.00	2.20	1	08/26/15 13:26	8/25/15	
Di-n-octyl Phthalate	2.80 U	5.00	2.80	1	08/26/15 13:26	8/25/15	
Diphenylamine + n-Nitrosodiphenylamine	1.10 U	5.00	1.10	1	08/26/15 13:26	8/25/15	
Ethyl Methanesulfonate	1.60 U	5.00	1.60	1	08/26/15 13:26	8/25/15	
Fluoranthene	1.40 U	5.00	1.40	1	08/26/15 13:26	8/25/15	
Fluorene	0.840 U	5.00	0.840	1	08/26/15 13:26	8/25/15	
Hexachlorobenzene	1.70 U	5.00	1.70	1	08/26/15 13:26	8/25/15	
Hexachlorobutadiene	1.20 U	5.00	1.20	1	08/26/15 13:26	8/25/15	
Hexachlorocyclopentadiene	0.500 U	5.00	0.500	1	08/26/15 13:26	8/25/15	
Hexachloroethane	0.810 U	5.00	0.810	1	08/26/15 13:26	8/25/15	
Hexachloropropene	0.910 U	5.00	0.910	1	08/26/15 13:26	8/25/15	
Indeno(1,2,3-cd)pyrene	1.70 U	5.00	1.70	1	08/26/15 13:26	8/25/15	
Isodrin	1.80 U	10.0	1.80	1	08/26/15 13:26	8/25/15	
Isophorone	1.80 U	5.00	1.80	1	08/26/15 13:26	8/25/15	
Isosafrole	0.990 U	5.00	0.990	1	08/26/15 13:26	8/25/15	
Kepone	3.80 U	50.0	3.80	1	08/26/15 13:26	8/25/15	*
Methapyrilene	3.30 U	5.00	3.30	1	08/26/15 13:26	8/25/15	
Methyl Methanesulfonate	1.60 U	5.00	1.60	1	08/26/15 13:26	8/25/15	
Naphthalene	0.530 U	5.00	0.530	1	08/26/15 13:26	8/25/15	
Nitrobenzene	2.10 U	5.00	2.10	1	08/26/15 13:26	8/25/15	
N-Nitrosodiethylamine	1.50 U	5.00	1.50	1	08/26/15 13:26	8/25/15	
N-Nitrosodimethylamine	0.960 U	5.00	0.960	1	08/26/15 13:26	8/25/15	
N-Nitrosodi-n-butylamine	1.50 U	5.00	1.50	1	08/26/15 13:26	8/25/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

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
N-Nitrosodi-n-propylamine	2.20 U	5.00	2.20	1	08/26/15 13:26	8/25/15	
N-Nitrosomethylethylamine	0.960 U	5.00	0.960	1	08/26/15 13:26	8/25/15	
N-Nitrosopiperidine	1.30 U	5.00	1.30	1	08/26/15 13:26	8/25/15	
N-Nitrosopyrrolidine	1.70 U	5.00	1.70	1	08/26/15 13:26	8/25/15	
o-Toluidine	1.80 U	5.00	1.80	1	08/26/15 13:26	8/25/15	
p-Dimethylaminoazobenzene	1.10 U	5.00	1.10	1	08/26/15 13:26	8/25/15	
Pentachlorobenzene	0.890 U	5.00	0.890	1	08/26/15 13:26	8/25/15	
Pentachloronitrobenzene (PCNB)	2.50 U	5.00	2.50	1	08/26/15 13:26	8/25/15	
Pentachlorophenol (PCP)	1.10 U	20.0	1.10	1	08/26/15 13:26	8/25/15	
Phenacetin	2.10 U	5.00	2.10	1	08/26/15 13:26	8/25/15	
Phenanthrene	1.40 U	5.00	1.40	1	08/26/15 13:26	8/25/15	
Phenol	0.590 U	5.00	0.590	1	08/26/15 13:26	8/25/15	
p-Phenylenediamine	1.20 U	20.0	1.20	1	08/26/15 13:26	8/25/15	*
Pronamide	1.70 U	20.0	1.70	1	08/26/15 13:26	8/25/15	
Pyrene	0.740 U	5.00	0.740	1	08/26/15 13:26	8/25/15	
Safrole	0.860 U	5.00	0.860	1	08/26/15 13:26	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	62	2 - 128	08/26/15 13:26	
2-Fluorobiphenyl	46	8 - 135	08/26/15 13:26	
2-Fluorophenol	30	6 - 76	08/26/15 13:26	
Nitrobenzene-d5	46	10 - 125	08/26/15 13:26	
Phenol-d6	23	6 - 56	08/26/15 13:26	
p-Terphenyl-d14	43	4 - 141	08/26/15 13:26	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

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

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0440 U	0.100	0.0440	1	08/26/15 15:15	8/25/15	
2-Methylnaphthalene	0.0440 U	0.100	0.0440	1	08/26/15 15:15	8/25/15	
Acenaphthene	0.0410 U	0.100	0.0410	1	08/26/15 15:15	8/25/15	
Acenaphthylene	0.0250 U	0.100	0.0250	1	08/26/15 15:15	8/25/15	
Anthracene	0.0380 U	0.100	0.0380	1	08/26/15 15:15	8/25/15	
Benz(a)anthracene	0.0350 U	0.100	0.0350	1	08/26/15 15:15	8/25/15	
Benzo(a)pyrene	0.0310 U	0.100	0.0310	1	08/26/15 15:15	8/25/15	
Benzo(b)fluoranthene	0.0250 U	0.100	0.0250	1	08/26/15 15:15	8/25/15	
Benzo(g,h,i)perylene	0.0390 U	0.100	0.0390	1	08/26/15 15:15	8/25/15	
Benzo(k)fluoranthene	0.0350 U	0.100	0.0350	1	08/26/15 15:15	8/25/15	
Chrysene	0.0240 U	0.100	0.0240	1	08/26/15 15:15	8/25/15	
Dibenz(a,h)anthracene	0.0360 U	0.100	0.0360	1	08/26/15 15:15	8/25/15	
Fluoranthene	0.0390 U	0.100	0.0390	1	08/26/15 15:15	8/25/15	
Fluorene	0.0470 U	0.100	0.0470	1	08/26/15 15:15	8/25/15	
Indeno(1,2,3-cd)pyrene	0.0400 U	0.100	0.0400	1	08/26/15 15:15	8/25/15	
Naphthalene	0.0577 I	0.100	0.0390	1	08/26/15 15:15	8/25/15	
Phenanthrene	0.0350 U	0.100	0.0350	1	08/26/15 15:15	8/25/15	
Pyrene	0.0310 U	0.100	0.0310	1	08/26/15 15:15	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	50	22 - 105	08/26/15 15:15	
p-Terphenyl-d14	45	25 - 127	08/26/15 15:15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20
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	08/27/15 12:03	8/25/15	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	08/27/15 12:03	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	92	70 - 130	08/27/15 12:03	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

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	0.0106 U	0.0211	0.0106	1	08/25/15 15:06	8/24/15	
4,4'-DDE	0.0106 U	0.0211	0.0106	1	08/25/15 15:06	8/24/15	
4,4'-DDT	0.0127 U	0.0211	0.0127	1	08/25/15 15:06	8/24/15	
Aldrin	0.0179 U	0.0211	0.0179	1	08/25/15 15:06	8/24/15	
alpha-BHC	0.0148 U	0.0211	0.0148	1	08/25/15 15:06	8/24/15	
alpha-Chlordane	0.00843 U	0.0211	0.00843	1	08/25/15 15:06	8/24/15	
beta-BHC	0.0106 U	0.0211	0.0106	1	08/25/15 15:06	8/24/15	
Chlordane	0.273 U	0.526	0.273	1	08/25/15 15:06	8/24/15	
delta-BHC	0.0222 U	0.0222	0.0222	1	08/25/15 15:06	8/24/15	
Dieldrin	0.0116 U	0.0211	0.0116	1	08/25/15 15:06	8/24/15	
Endosulfan I	0.00737 U	0.0211	0.00737	1	08/25/15 15:06	8/24/15	
Endosulfan II	0.0106 U	0.0211	0.0106	1	08/25/15 15:06	8/24/15	
Endosulfan Sulfate	0.00737 U	0.0211	0.00737	1	08/25/15 15:06	8/24/15	
Endrin	0.00948 U	0.0211	0.00948	1	08/25/15 15:06	8/24/15	
Endrin Aldehyde	0.0295 U	0.0295	0.0295	1	08/25/15 15:06	8/24/15	
Endrin Ketone	0.00948 U	0.0211	0.00948	1	08/25/15 15:06	8/24/15	
gamma-BHC (Lindane)	0.0137 U	0.0211	0.0137	1	08/25/15 15:06	8/24/15	
gamma-Chlordane	0.0116 U	0.0211	0.0116	1	08/25/15 15:06	8/24/15	
Heptachlor	0.0158 U	0.0211	0.0158	1	08/25/15 15:06	8/24/15	
Heptachlor Epoxide	0.0106 U	0.0211	0.0106	1	08/25/15 15:06	8/24/15	
Methoxychlor	0.00948 U	0.0421	0.00948	1	08/25/15 15:06	8/24/15	
Toxaphene	0.270 U	0.526	0.270	1	08/25/15 15:06	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	17	10 - 160	08/25/15 15:06	
Tetrachloro-m-xylene	62	22 - 126	08/25/15 15:06	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

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	0.137 U	0.526	0.137	1	08/26/15 15:41	8/24/15	
Aroclor 1221	0.306 U	0.526	0.306	1	08/26/15 15:41	8/24/15	
Aroclor 1232	0.211 U	0.526	0.211	1	08/26/15 15:41	8/24/15	
Aroclor 1242	0.137 U	0.526	0.137	1	08/26/15 15:41	8/24/15	
Aroclor 1248	0.274 U	0.526	0.274	1	08/26/15 15:41	8/24/15	
Aroclor 1254	0.348 U	0.526	0.348	1	08/26/15 15:41	8/24/15	
Aroclor 1260	0.282 U	0.526	0.282	1	08/26/15 15:41	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	20	10 - 151	08/26/15 15:41	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Dissolved	6020	0.4 I	ug/L	1.0	0.2	1	08/27/15 09:11	08/25/15	
Antimony, Total	6020	0.5 I	ug/L	1.0	0.2	1	08/26/15 21:12	08/26/15	
Arsenic, Dissolved	6020	1.6	ug/L	1.0	0.5	1	08/27/15 09:11	08/25/15	
Arsenic, Total	6020	3.1	ug/L	2.0	0.9	2	08/28/15 00:15	08/26/15	
Barium, Dissolved	6020	294	ug/L	2.0	0.5	1	08/27/15 09:11	08/25/15	
Barium, Total	6020	739	ug/L	2.0	0.5	1	08/26/15 21:12	08/26/15	
Beryllium, Dissolved	6020	0.82	ug/L	0.50	0.04	1	08/27/15 09:11	08/25/15	
Beryllium, Total	6020	2.19	ug/L	0.50	0.04	1	08/26/15 21:12	08/26/15	
Cadmium, Dissolved	6020	0.29 I	ug/L	0.40	0.10	1	08/27/15 09:11	08/25/15	
Cadmium, Total	6020	0.76	ug/L	0.40	0.10	1	08/26/15 21:12	08/26/15	
Chromium, Dissolved	6020	27.6	ug/L	1.0	0.2	1	08/27/15 09:11	08/25/15	
Chromium, Total	6020	72.8	ug/L	2.0	0.4	2	08/28/15 00:15	08/26/15	
Cobalt, Dissolved	6020	0.9 I	ug/L	1.0	0.03	1	08/27/15 09:11	08/25/15	
Cobalt, Total	6020	1.9 I	ug/L	2.0	0.06	2	08/28/15 00:15	08/26/15	
Copper, Dissolved	6020	8.9	ug/L	1.0	0.3	1	08/27/15 09:11	08/25/15	
Copper, Total	6020	24.8	ug/L	2.0	0.5	2	08/28/15 00:15	08/26/15	
Iron, Dissolved	6010B	6760	ug/L	100	3	1	08/24/15 21:53	08/24/15	
Iron, Total	6010B	16500	ug/L	100	3	1	08/21/15 21:36	08/21/15	
Lead, Dissolved	6020	30.3	ug/L	0.50	0.12	1	08/27/15 09:11	08/25/15	
Lead, Total	6020	79.2	ug/L	0.50	0.12	1	08/26/15 21:12	08/26/15	
Mercury, Dissolved	7470A	0.18	ug/L	0.10	0.02	1	08/24/15 13:27	08/21/15	
Mercury, Total	7470A	0.54	ug/L	0.10	0.02	1	08/24/15 14:53	08/21/15	
Nickel, Dissolved	6020	3.9	ug/L	2.0	0.5	1	08/27/15 09:11	08/25/15	
Nickel, Total	6020	8.7	ug/L	4.0	1.0	2	08/28/15 00:15	08/26/15	
Selenium, Dissolved	6020	7.4	ug/L	2.0	1.1	1	08/27/15 09:11	08/25/15	
Selenium, Total	6020	19.8	ug/L	4.0	2.2	2	08/28/15 00:15	08/26/15	
Silver, Dissolved	6020	0.06 U	ug/L	0.50	0.06	1	08/27/15 09:11	08/25/15	
Silver, Total	6020	0.06 U	ug/L	0.50	0.06	1	08/26/15 21:12	08/26/15	
Sodium, Dissolved	6010B	29.0	mg/L	0.50	0.03	1	08/24/15 21:53	08/24/15	
Sodium, Total	6010B	29.1	mg/L	0.50	0.03	1	08/21/15 21:36	08/21/15	
Thallium, Dissolved	6020	0.30	ug/L	0.20	0.05	1	08/27/15 09:11	08/25/15	
Thallium, Total	6020	0.64	ug/L	0.20	0.05	1	08/26/15 21:12	08/26/15	
Tin, Dissolved	6020	0.4 I	ug/L	5.0	0.2	1	08/27/15 09:11	08/25/15	
Tin, Total	6020	0.4 I	ug/L	5.0	0.2	1	08/26/15 21:12	08/26/15	
Vanadium, Dissolved	6020	41.1	ug/L	2.0	0.3	1	08/27/15 09:11	08/25/15	
Vanadium, Total	6020	86.8	ug/L	2.0	0.3	1	08/26/15 21:12	08/26/15	
Zinc, Dissolved	6020	4.5 I	ug/L	5.0	1.6	1	08/27/15 09:11	08/25/15	
Zinc, Total	6020	9 I	ug/L	10	4	2	08/28/15 00:15	08/26/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: MW-27B
Lab Code: J1506673-002

Service Request: J1506673
Date Collected: 08/19/15 10:00
Date Received: 08/20/15 10:20

Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.067	mg/L	0.010	0.007	1	08/27/15 10:39	NA	
Chloride	300.0	40.6	mg/L	1.0	0.2	1	08/21/15 01:41	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	08/24/15 12:44	08/21/15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	08/21/15 01:41	NA	
Solids, Total Dissolved	SM 2540 C	1070	mg/L	10	10	1	08/24/15 14:08	NA	
Sulfide, Total	SM 4500-S2- F	2.8 I	mg/L	4.0	0.8	2	08/25/15 09:55	NA	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Trip Blank
Lab Code: J1506673-003

Service Request: J1506673
Date Collected: 08/19/15 00:00
Date Received: 08/20/15 10:20

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	08/20/15 21:40	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 21:40	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 21:40	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 21:40	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 21:40	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 21:40	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 21:40	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 21:40	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 21:40	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 21:40	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 21:40	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 21:40	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 21:40	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 21:40	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 21:40	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 21:40	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 21:40	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 21:40	
2-Butanone (MEK)	3.8 U	10	3.8	1	08/20/15 21:40	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 21:40	*
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 21:40	*
Acetone	5.6 U	50	5.6	1	08/20/15 21:40	
Acetonitrile	18 U	25	18	1	08/20/15 21:40	
Acrolein	28 U	50	28	1	08/20/15 21:40	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 21:40	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 21:40	
Benzene	0.21 U	1.0	0.21	1	08/20/15 21:40	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 21:40	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 21:40	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 21:40	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 21:40	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 21:40	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 21:40	*
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 21:40	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 21:40	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 21:40	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 21:40	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 21:40	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 21:40	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 21:40	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 21:40	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 21:40	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 21:40	*

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Trip Blank
Lab Code: J1506673-003

Service Request: J1506673
Date Collected: 08/19/15 00:00
Date Received: 08/20/15 10:20

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	08/20/15 21:40	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 21:40	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 21:40	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 21:40	
Isobutyl Alcohol	43 U	100	43	1	08/20/15 21:40	*
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 21:40	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 21:40	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 21:40	
Methylene Chloride	0.37 I	5.0	0.21	1	08/20/15 21:40	
Naphthalene	0.38 U	10	0.38	1	08/20/15 21:40	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 21:40	
Propionitrile	3.9 U	25	3.9	1	08/20/15 21:40	
Styrene	0.29 U	1.0	0.29	1	08/20/15 21:40	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 21:40	
Toluene	0.19 U	1.0	0.19	1	08/20/15 21:40	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 21:40	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 21:40	*
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 21:40	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 21:40	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 21:40	*
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 21:40	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 21:40	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	89	72 - 121	08/20/15 21:40	
4-Bromofluorobenzene	97	86 - 113	08/20/15 21:40	
Dibromofluoromethane	99	86 - 112	08/20/15 21:40	
Toluene-d8	106	88 - 115	08/20/15 21:40	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506290-03

Service Request: J1506673
Date Collected: NA
Date Received: NA

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	08/20/15 14:06	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	08/20/15 14:06	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	08/20/15 14:06	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	08/20/15 14:06	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	08/20/15 14:06	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	08/20/15 14:06	
1,1-Dichloropropene	0.32 U	5.0	0.32	1	08/20/15 14:06	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	08/20/15 14:06	
1,2,4-Trichlorobenzene	0.34 U	10	0.34	1	08/20/15 14:06	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	08/20/15 14:06	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	08/20/15 14:06	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	08/20/15 14:06	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	08/20/15 14:06	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	08/20/15 14:06	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	08/20/15 14:06	
1,3-Dichloropropane	0.18 U	1.0	0.18	1	08/20/15 14:06	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	08/20/15 14:06	
2,2-Dichloropropane	0.46 U	1.0	0.46	1	08/20/15 14:06	
2-Butanone (MEK)	3.8 U	10	3.8	1	08/20/15 14:06	
2-Hexanone	2.2 U	25	2.2	1	08/20/15 14:06	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	08/20/15 14:06	
Acetone	5.6 U	50	5.6	1	08/20/15 14:06	
Acetonitrile	18 U	25	18	1	08/20/15 14:06	
Acrolein	28 U	50	28	1	08/20/15 14:06	
Acrylonitrile	1.5 U	10	1.5	1	08/20/15 14:06	
Allyl Chloride	0.39 U	5.0	0.39	1	08/20/15 14:06	
Benzene	0.21 U	1.0	0.21	1	08/20/15 14:06	
Bromochloromethane	0.27 U	5.0	0.27	1	08/20/15 14:06	
Bromodichloromethane	0.22 U	1.0	0.22	1	08/20/15 14:06	
Bromoform	0.42 U	2.0	0.42	1	08/20/15 14:06	
Bromomethane	0.23 U	5.0	0.23	1	08/20/15 14:06	
Carbon Disulfide	2.4 U	10	2.4	1	08/20/15 14:06	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	08/20/15 14:06	
Chlorobenzene	0.16 U	1.0	0.16	1	08/20/15 14:06	
Chloroethane	0.52 U	5.0	0.52	1	08/20/15 14:06	
Chloroform	0.35 U	1.0	0.35	1	08/20/15 14:06	
Chloromethane	0.36 U	1.0	0.36	1	08/20/15 14:06	
Chloroprene	0.12 U	1.0	0.12	1	08/20/15 14:06	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	08/20/15 14:06	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	08/20/15 14:06	
Dibromochloromethane	0.21 U	1.0	0.21	1	08/20/15 14:06	
Dibromomethane	0.36 U	5.0	0.36	1	08/20/15 14:06	
Dichlorodifluoromethane	0.23 U	20	0.23	1	08/20/15 14:06	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506290-03

Service Request: J1506673
Date Collected: NA
Date Received: NA
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	08/20/15 14:06	
Ethylbenzene	0.21 U	1.0	0.21	1	08/20/15 14:06	
Hexachlorobutadiene	0.60 U	10	0.60	1	08/20/15 14:06	
Iodomethane	2.7 U	5.0	2.7	1	08/20/15 14:06	
Isobutyl Alcohol	43 U	100	43	1	08/20/15 14:06	
m,p-Xylenes	0.31 U	2.0	0.31	1	08/20/15 14:06	
Methacrylonitrile	1.6 U	5.0	1.6	1	08/20/15 14:06	
Methyl Methacrylate	0.49 U	2.0	0.49	1	08/20/15 14:06	
Methylene Chloride	0.21 U	5.0	0.21	1	08/20/15 14:06	
Naphthalene	0.38 U	10	0.38	1	08/20/15 14:06	
o-Xylene	0.14 U	1.0	0.14	1	08/20/15 14:06	
Propionitrile	3.9 U	25	3.9	1	08/20/15 14:06	
Styrene	0.29 U	1.0	0.29	1	08/20/15 14:06	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	08/20/15 14:06	
Toluene	0.19 U	1.0	0.19	1	08/20/15 14:06	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	08/20/15 14:06	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	08/20/15 14:06	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	08/20/15 14:06	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	08/20/15 14:06	
Trichlorofluoromethane	0.24 U	20	0.24	1	08/20/15 14:06	
Vinyl Acetate	1.9 U	10	1.9	1	08/20/15 14:06	
Vinyl Chloride	0.36 U	1.0	0.36	1	08/20/15 14:06	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	96	72 - 121	08/20/15 14:06	
4-Bromofluorobenzene	102	86 - 113	08/20/15 14:06	
Dibromofluoromethane	100	86 - 112	08/20/15 14:06	
Toluene-d8	101	88 - 115	08/20/15 14:06	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506381-01

Service Request: J1506673
Date Collected: NA
Date Received: NA

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	08/26/15 09:31	8/25/15	
1,2,4-Trichlorobenzene	0.600 U	5.00	0.600	1	08/26/15 09:31	8/25/15	
1,2-Dichlorobenzene	0.640 U	5.00	0.640	1	08/26/15 09:31	8/25/15	
1,3,5-Trinitrobenzene	1.50 U	5.00	1.50	1	08/26/15 09:31	8/25/15	
1,3-Dichlorobenzene	0.920 U	5.00	0.920	1	08/26/15 09:31	8/25/15	
1,3-Dinitrobenzene	0.640 U	10.0	0.640	1	08/26/15 09:31	8/25/15	
1,4-Dichlorobenzene	0.910 U	5.00	0.910	1	08/26/15 09:31	8/25/15	
1,4-Naphthoquinone	1.60 U	10.0	1.60	1	08/26/15 09:31	8/25/15	
1-Naphthylamine	2.00 U	5.00	2.00	1	08/26/15 09:31	8/25/15	
2,3,4,6-Tetrachlorophenol	1.60 U	5.00	1.60	1	08/26/15 09:31	8/25/15	
2,4,5-Trichlorophenol	1.30 U	5.00	1.30	1	08/26/15 09:31	8/25/15	
2,4,6-Trichlorophenol	0.890 U	5.00	0.890	1	08/26/15 09:31	8/25/15	
2,4-Dichlorophenol	1.20 U	5.00	1.20	1	08/26/15 09:31	8/25/15	
2,4-Dimethylphenol	1.50 U	5.00	1.50	1	08/26/15 09:31	8/25/15	
2,4-Dinitrophenol	0.760 U	20.0	0.760	1	08/26/15 09:31	8/25/15	
2,4-Dinitrotoluene	1.30 U	5.00	1.30	1	08/26/15 09:31	8/25/15	
2,6-Dichlorophenol	1.30 U	10.0	1.30	1	08/26/15 09:31	8/25/15	
2,6-Dinitrotoluene	1.10 U	5.00	1.10	1	08/26/15 09:31	8/25/15	
2-Acetylaminofluorene	0.960 U	5.00	0.960	1	08/26/15 09:31	8/25/15	
2-Chloronaphthalene	4.60 U	5.00	4.60	1	08/26/15 09:31	8/25/15	
2-Chlorophenol	1.20 U	5.00	1.20	1	08/26/15 09:31	8/25/15	
2-Methylnaphthalene	0.630 U	5.00	0.630	1	08/26/15 09:31	8/25/15	
2-Methylphenol	1.30 U	5.00	1.30	1	08/26/15 09:31	8/25/15	
2-Naphthylamine	2.30 U	5.00	2.30	1	08/26/15 09:31	8/25/15	
2-Nitroaniline	1.50 U	5.00	1.50	1	08/26/15 09:31	8/25/15	
2-Nitrophenol	1.40 U	20.0	1.40	1	08/26/15 09:31	8/25/15	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	08/26/15 09:31	8/25/15	
3,3'-Dichlorobenzidine	1.40 U	20.0	1.40	1	08/26/15 09:31	8/25/15	
3,3'-Dimethylbenzidine	4.80 U	20.0	4.80	1	08/26/15 09:31	8/25/15	
3-Methylcholanthrene	1.40 U	5.00	1.40	1	08/26/15 09:31	8/25/15	
3-Nitroaniline	1.10 U	5.00	1.10	1	08/26/15 09:31	8/25/15	
4,6-Dinitro-2-methylphenol	1.00 U	20.0	1.00	1	08/26/15 09:31	8/25/15	
4-Aminobiphenyl	1.90 U	5.00	1.90	1	08/26/15 09:31	8/25/15	
4-Bromophenyl Phenyl Ether	1.30 U	5.00	1.30	1	08/26/15 09:31	8/25/15	
4-Chloro-3-methylphenol	1.80 U	5.00	1.80	1	08/26/15 09:31	8/25/15	
4-Chloroaniline	1.40 U	5.00	1.40	1	08/26/15 09:31	8/25/15	
4-Chlorophenyl Phenyl Ether	0.960 U	5.00	0.960	1	08/26/15 09:31	8/25/15	
4-Nitroaniline	1.00 U	5.00	1.00	1	08/26/15 09:31	8/25/15	
4-Nitrophenol	1.80 U	20.0	1.80	1	08/26/15 09:31	8/25/15	
5-Nitro-o-toluidine	1.10 U	5.00	1.10	1	08/26/15 09:31	8/25/15	
7,12-Dimethylbenz(a)anthracene	1.20 U	5.00	1.20	1	08/26/15 09:31	8/25/15	
Acenaphthene	4.20 U	5.00	4.20	1	08/26/15 09:31	8/25/15	
Acenaphthylene	0.990 U	5.00	0.990	1	08/26/15 09:31	8/25/15	

ALS Group USA, Corp.
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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506381-01

Service Request: J1506673
Date Collected: NA
Date Received: NA

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	08/26/15 09:31	8/25/15	
Anthracene	1.60 U	5.00	1.60	1	08/26/15 09:31	8/25/15	
Benz(a)anthracene	1.00 U	5.00	1.00	1	08/26/15 09:31	8/25/15	
Benzo(a)pyrene	1.20 U	5.00	1.20	1	08/26/15 09:31	8/25/15	
Benzo(b)fluoranthene	1.00 U	5.00	1.00	1	08/26/15 09:31	8/25/15	
Benzo(g,h,i)perylene	1.40 U	5.00	1.40	1	08/26/15 09:31	8/25/15	
Benzo(k)fluoranthene	1.80 U	5.00	1.80	1	08/26/15 09:31	8/25/15	
Benzyl Alcohol	1.40 U	5.00	1.40	1	08/26/15 09:31	8/25/15	
Bis(2-chloroethoxy)methane	1.20 U	5.00	1.20	1	08/26/15 09:31	8/25/15	
Bis(2-chloroethyl) Ether	1.90 U	5.00	1.90	1	08/26/15 09:31	8/25/15	
Bis(2-chloroisopropyl) Ether	1.50 U	5.00	1.50	1	08/26/15 09:31	8/25/15	
Bis(2-ethylhexyl) Phthalate	1.50 U	5.00	1.50	1	08/26/15 09:31	8/25/15	
Butyl Benzyl Phthalate	0.860 U	10.0	0.860	1	08/26/15 09:31	8/25/15	
Chlorobenzilate	0.900 U	10.0	0.900	1	08/26/15 09:31	8/25/15	
Chrysene	1.20 U	5.00	1.20	1	08/26/15 09:31	8/25/15	
Diallate	1.70 U	5.00	1.70	1	08/26/15 09:31	8/25/15	
Dibenz(a,h)anthracene	1.50 U	5.00	1.50	1	08/26/15 09:31	8/25/15	
Dibenzofuran	1.30 U	5.00	1.30	1	08/26/15 09:31	8/25/15	
Diethyl Phthalate	1.70 U	5.00	1.70	1	08/26/15 09:31	8/25/15	
Dimethyl Phthalate	1.30 U	5.00	1.30	1	08/26/15 09:31	8/25/15	
Di-n-butyl Phthalate	2.20 U	5.00	2.20	1	08/26/15 09:31	8/25/15	
Di-n-octyl Phthalate	2.80 U	5.00	2.80	1	08/26/15 09:31	8/25/15	
Diphenylamine + n-Nitrosodiphenylamine	1.10 U	5.00	1.10	1	08/26/15 09:31	8/25/15	
Ethyl Methanesulfonate	1.60 U	5.00	1.60	1	08/26/15 09:31	8/25/15	
Fluoranthene	1.40 U	5.00	1.40	1	08/26/15 09:31	8/25/15	
Fluorene	0.840 U	5.00	0.840	1	08/26/15 09:31	8/25/15	
Hexachlorobenzene	1.70 U	5.00	1.70	1	08/26/15 09:31	8/25/15	
Hexachlorobutadiene	1.20 U	5.00	1.20	1	08/26/15 09:31	8/25/15	
Hexachlorocyclopentadiene	0.500 U	5.00	0.500	1	08/26/15 09:31	8/25/15	
Hexachloroethane	0.810 U	5.00	0.810	1	08/26/15 09:31	8/25/15	
Hexachloropropene	0.910 U	5.00	0.910	1	08/26/15 09:31	8/25/15	
Indeno(1,2,3-cd)pyrene	1.70 U	5.00	1.70	1	08/26/15 09:31	8/25/15	
Isodrin	1.80 U	10.0	1.80	1	08/26/15 09:31	8/25/15	
Isophorone	1.80 U	5.00	1.80	1	08/26/15 09:31	8/25/15	
Isosafrole	0.990 U	5.00	0.990	1	08/26/15 09:31	8/25/15	
Kepone	3.80 U	50.0	3.80	1	08/26/15 09:31	8/25/15	
Methapyrilene	3.30 U	5.00	3.30	1	08/26/15 09:31	8/25/15	
Methyl Methanesulfonate	1.60 U	5.00	1.60	1	08/26/15 09:31	8/25/15	
Naphthalene	0.530 U	5.00	0.530	1	08/26/15 09:31	8/25/15	
Nitrobenzene	2.10 U	5.00	2.10	1	08/26/15 09:31	8/25/15	
N-Nitrosodiethylamine	1.50 U	5.00	1.50	1	08/26/15 09:31	8/25/15	
N-Nitrosodimethylamine	0.960 U	5.00	0.960	1	08/26/15 09:31	8/25/15	
N-Nitrosodi-n-butylamine	1.50 U	5.00	1.50	1	08/26/15 09:31	8/25/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506381-01

Service Request: J1506673
Date Collected: NA
Date Received: NA
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-Nitrosodi-n-propylamine	2.20 U	5.00	2.20	1	08/26/15 09:31	8/25/15	
N-Nitrosomethylethylamine	0.960 U	5.00	0.960	1	08/26/15 09:31	8/25/15	
N-Nitrosopiperidine	1.30 U	5.00	1.30	1	08/26/15 09:31	8/25/15	
N-Nitrosopyrrolidine	1.70 U	5.00	1.70	1	08/26/15 09:31	8/25/15	
o-Toluidine	1.80 U	5.00	1.80	1	08/26/15 09:31	8/25/15	
p-Dimethylaminoazobenzene	1.10 U	5.00	1.10	1	08/26/15 09:31	8/25/15	
Pentachlorobenzene	0.890 U	5.00	0.890	1	08/26/15 09:31	8/25/15	
Pentachloronitrobenzene (PCNB)	2.50 U	5.00	2.50	1	08/26/15 09:31	8/25/15	
Pentachlorophenol (PCP)	1.10 U	20.0	1.10	1	08/26/15 09:31	8/25/15	
Phenacetin	2.10 U	5.00	2.10	1	08/26/15 09:31	8/25/15	
Phenanthrene	1.40 U	5.00	1.40	1	08/26/15 09:31	8/25/15	
Phenol	0.590 U	5.00	0.590	1	08/26/15 09:31	8/25/15	
p-Phenylenediamine	1.20 U	20.0	1.20	1	08/26/15 09:31	8/25/15	
Pronamide	1.70 U	20.0	1.70	1	08/26/15 09:31	8/25/15	
Pyrene	0.740 U	5.00	0.740	1	08/26/15 09:31	8/25/15	
Safrole	0.860 U	5.00	0.860	1	08/26/15 09:31	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	89	2 - 128	08/26/15 09:31	
2-Fluorobiphenyl	69	8 - 135	08/26/15 09:31	
2-Fluorophenol	50	6 - 76	08/26/15 09:31	
Nitrobenzene-d5	70	10 - 125	08/26/15 09:31	
Phenol-d6	39	6 - 56	08/26/15 09:31	
p-Terphenyl-d14	85	4 - 141	08/26/15 09:31	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506451-01

Service Request: J1506673
Date Collected: NA
Date Received: NA
Units: ug/L
Basis: NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

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

Analyte Name	Result	PQL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0440 U	0.100	0.0440	1	08/26/15 13:24	8/25/15	
2-Methylnaphthalene	0.0440 U	0.100	0.0440	1	08/26/15 13:24	8/25/15	
Acenaphthene	0.0410 U	0.100	0.0410	1	08/26/15 13:24	8/25/15	
Acenaphthylene	0.0250 U	0.100	0.0250	1	08/26/15 13:24	8/25/15	
Anthracene	0.0380 U	0.100	0.0380	1	08/26/15 13:24	8/25/15	
Benz(a)anthracene	0.0350 U	0.100	0.0350	1	08/26/15 13:24	8/25/15	
Benzo(a)pyrene	0.0310 U	0.100	0.0310	1	08/26/15 13:24	8/25/15	
Benzo(b)fluoranthene	0.0250 U	0.100	0.0250	1	08/26/15 13:24	8/25/15	
Benzo(g,h,i)perylene	0.0390 U	0.100	0.0390	1	08/26/15 13:24	8/25/15	
Benzo(k)fluoranthene	0.0350 U	0.100	0.0350	1	08/26/15 13:24	8/25/15	
Chrysene	0.0240 U	0.100	0.0240	1	08/26/15 13:24	8/25/15	
Dibenz(a,h)anthracene	0.0360 U	0.100	0.0360	1	08/26/15 13:24	8/25/15	
Fluoranthene	0.0390 U	0.100	0.0390	1	08/26/15 13:24	8/25/15	
Fluorene	0.0470 U	0.100	0.0470	1	08/26/15 13:24	8/25/15	
Indeno(1,2,3-cd)pyrene	0.0400 U	0.100	0.0400	1	08/26/15 13:24	8/25/15	
Naphthalene	0.0390 U	0.100	0.0390	1	08/26/15 13:24	8/25/15	
Phenanthrene	0.0350 U	0.100	0.0350	1	08/26/15 13:24	8/25/15	
Pyrene	0.0310 U	0.100	0.0310	1	08/26/15 13:24	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	72	22 - 105	08/26/15 13:24	
p-Terphenyl-d14	85	25 - 127	08/26/15 13:24	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506391-01

Service Request: J1506673
Date Collected: NA
Date Received: NA

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	08/27/15 07:18	8/25/15	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	08/27/15 07:18	8/25/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	65	70 - 130	08/27/15 07:18	*

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: JQ1506349-01

Service Request: J1506673
Date Collected: NA
Date Received: NA
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	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
4,4'-DDE	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
4,4'-DDT	0.0120 U	0.0200	0.0120	1	08/25/15 12:52	8/24/15	
Aldrin	0.0170 U	0.0200	0.0170	1	08/25/15 12:52	8/24/15	
alpha-BHC	0.0140 U	0.0200	0.0140	1	08/25/15 12:52	8/24/15	
alpha-Chlordane	0.00800 U	0.0200	0.00800	1	08/25/15 12:52	8/24/15	
beta-BHC	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
Chlordane	0.259 U	0.500	0.259	1	08/25/15 12:52	8/24/15	
delta-BHC	0.0210 U	0.0210	0.0210	1	08/25/15 12:52	8/24/15	
Dieldrin	0.0110 U	0.0200	0.0110	1	08/25/15 12:52	8/24/15	
Endosulfan I	0.00700 U	0.0200	0.00700	1	08/25/15 12:52	8/24/15	
Endosulfan II	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
Endosulfan Sulfate	0.00700 U	0.0200	0.00700	1	08/25/15 12:52	8/24/15	
Endrin	0.00900 U	0.0200	0.00900	1	08/25/15 12:52	8/24/15	
Endrin Aldehyde	0.0280 U	0.0280	0.0280	1	08/25/15 12:52	8/24/15	
Endrin Ketone	0.00900 U	0.0200	0.00900	1	08/25/15 12:52	8/24/15	
gamma-BHC (Lindane)	0.0130 U	0.0200	0.0130	1	08/25/15 12:52	8/24/15	
gamma-Chlordane	0.0110 U	0.0200	0.0110	1	08/25/15 12:52	8/24/15	
Heptachlor	0.0150 U	0.0200	0.0150	1	08/25/15 12:52	8/24/15	
Heptachlor Epoxide	0.0100 U	0.0200	0.0100	1	08/25/15 12:52	8/24/15	
Methoxychlor	0.00900 U	0.0400	0.00900	1	08/25/15 12:52	8/24/15	
Toxaphene	0.256 U	0.500	0.256	1	08/25/15 12:52	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	74	10 - 160	08/25/15 12:52	
Tetrachloro-m-xylene	65	22 - 126	08/25/15 12:52	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: JQ1506349-01

Service Request: J1506673
Date Collected: NA
Date Received: NA

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	0.130 U	0.500	0.130	1	08/26/15 13:35	8/24/15	
Aroclor 1221	0.290 U	0.500	0.290	1	08/26/15 13:35	8/24/15	
Aroclor 1232	0.200 U	0.500	0.200	1	08/26/15 13:35	8/24/15	
Aroclor 1242	0.130 U	0.500	0.130	1	08/26/15 13:35	8/24/15	
Aroclor 1248	0.260 U	0.500	0.260	1	08/26/15 13:35	8/24/15	
Aroclor 1254	0.330 U	0.500	0.330	1	08/26/15 13:35	8/24/15	
Aroclor 1260	0.267 U	0.500	0.267	1	08/26/15 13:35	8/24/15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	80	10 - 151	08/26/15 13:35	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: J1506673-MB

Service Request: J1506673
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, Dissolved	6020	0.2 U	ug/L	1.0	0.2	1	08/27/15 09:01	08/25/15	
Antimony, Total	6020	0.5 I	ug/L	1.0	0.2	1	08/26/15 20:46	08/26/15	
Arsenic, Dissolved	6020	0.5 U	ug/L	1.0	0.5	1	08/27/15 09:01	08/25/15	
Arsenic, Total	6020	0.5 U	ug/L	1.0	0.5	1	08/26/15 20:46	08/26/15	
Barium, Dissolved	6020	0.5 U	ug/L	2.0	0.5	1	08/27/15 09:01	08/25/15	
Barium, Total	6020	0.5 U	ug/L	2.0	0.5	1	08/26/15 20:46	08/26/15	
Beryllium, Dissolved	6020	0.04 U	ug/L	0.50	0.04	1	08/27/15 09:01	08/25/15	
Beryllium, Total	6020	0.04 U	ug/L	0.50	0.04	1	08/26/15 20:46	08/26/15	
Cadmium, Dissolved	6020	0.10 U	ug/L	0.40	0.10	1	08/27/15 09:01	08/25/15	
Cadmium, Total	6020	0.10 U	ug/L	0.40	0.10	1	08/26/15 20:46	08/26/15	
Chromium, Dissolved	6020	0.2 U	ug/L	1.0	0.2	1	08/27/15 09:01	08/25/15	
Chromium, Total	6020	0.2 U	ug/L	1.0	0.2	1	08/26/15 20:46	08/26/15	
Cobalt, Dissolved	6020	0.03 U	ug/L	1.0	0.03	1	08/27/15 09:01	08/25/15	
Cobalt, Total	6020	0.03 U	ug/L	1.0	0.03	1	08/26/15 20:46	08/26/15	
Copper, Dissolved	6020	0.3 U	ug/L	1.0	0.3	1	08/27/15 09:01	08/25/15	
Copper, Total	6020	0.3 U	ug/L	1.0	0.3	1	08/26/15 20:46	08/26/15	
Iron, Dissolved	6010B	3 U	ug/L	100	3	1	08/24/15 21:45	08/24/15	
Iron, Total	6010B	3 U	ug/L	100	3	1	08/21/15 19:22	08/21/15	
Lead, Dissolved	6020	0.12 U	ug/L	0.50	0.12	1	08/27/15 09:01	08/25/15	
Lead, Total	6020	0.12 U	ug/L	0.50	0.12	1	08/26/15 20:46	08/26/15	
Mercury, Dissolved	7470A	0.02 U	ug/L	0.10	0.02	1	08/24/15 13:24	08/21/15	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	08/24/15 14:28	08/21/15	
Nickel, Dissolved	6020	0.5 U	ug/L	2.0	0.5	1	08/27/15 09:01	08/25/15	
Nickel, Total	6020	0.5 U	ug/L	2.0	0.5	1	08/26/15 20:46	08/26/15	
Selenium, Dissolved	6020	1.1 U	ug/L	2.0	1.1	1	08/27/15 09:01	08/25/15	
Selenium, Total	6020	1.1 U	ug/L	2.0	1.1	1	08/26/15 20:46	08/26/15	
Silver, Dissolved	6020	0.06 U	ug/L	0.50	0.06	1	08/27/15 09:01	08/25/15	
Silver, Total	6020	0.06 U	ug/L	0.50	0.06	1	08/26/15 20:46	08/26/15	
Sodium, Dissolved	6010B	0.08	mg/L	0.50	0.03	1	08/24/15 21:45	08/24/15	
Sodium, Total	6010B	0.03 U	mg/L	0.50	0.03	1	08/21/15 19:21	08/21/15	
Thallium, Dissolved	6020	0.05 U	ug/L	0.20	0.05	1	08/27/15 09:01	08/25/15	
Thallium, Total	6020	0.05 U	ug/L	0.20	0.05	1	08/26/15 20:46	08/26/15	
Tin, Dissolved	6020	0.2 U	ug/L	5.0	0.2	1	08/27/15 09:01	08/25/15	
Tin, Total	6020	0.5 I	ug/L	5.0	0.2	1	08/26/15 20:46	08/26/15	
Vanadium, Dissolved	6020	0.3 U	ug/L	2.0	0.3	1	08/27/15 09:01	08/25/15	
Vanadium, Total	6020	0.3 U	ug/L	2.0	0.3	1	08/26/15 20:46	08/26/15	
Zinc, Dissolved	6020	1.6 U	ug/L	5.0	1.6	1	08/27/15 09:01	08/25/15	
Zinc, Total	6020	1.6 U	ug/L	5.0	1.6	1	08/26/15 20:46	08/26/15	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: J1506673-MB1

Service Request: J1506673
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	08/26/15 13:54	NA	
Chloride	300.0	0.2 U	mg/L	1.0	0.2	1	08/20/15 16:53	NA	
Cyanide, Total	335.4	3 U	ug/L	10	3	1	08/24/15 12:25	08/21/15	
Nitrate as Nitrogen	300.0	0.03 U	mg/L	0.20	0.03	1	08/20/15 16:53	NA	
Solids, Total Dissolved	SM 2540 C	10 U	mg/L	10	10	1	08/24/15 14:08	NA	
Sulfide, Total	SM 4500-S2- F	0.4 U	mg/L	2.0	0.4	1	08/25/15 09:55	NA	

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Analytical Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: J1506673-MB2

Service Request: J1506673
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	08/27/15 10:34	

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

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-27A	J1506673-001	88	97	100
MW-27B	J1506673-002	88	96	101
Trip Blank	J1506673-003	89	97	99
Lab Control Sample	JQ1506290-01	91	92	102
Duplicate Lab Control Sample	JQ1506290-02	90	94	102
Method Blank	JQ1506290-03	96	102	100

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8
		88 - 115
MW-27A	J1506673-001	102
MW-27B	J1506673-002	102
Trip Blank	J1506673-003	106
Lab Control Sample	JQ1506290-01	99
Duplicate Lab Control Sample	JQ1506290-02	100
Method Blank	JQ1506290-03	101

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506673
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/20/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	Units:	ug/L
		Basis:	NA
		Analysis Lot:	458643

Analyte Name	Lab Control Sample JQ1506290-01			Duplicate Lab Control Sample JQ1506290-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
1,1,1,2-Tetrachloroethane	59.1	50.0	118	50.5	50.0	101	77-118	16	30
1,1,1-Trichloroethane (TCA)	60.1	50.0	120	47.5	50.0	95	70-122	23	30
1,1,2,2-Tetrachloroethane	47.1	50.0	94	38.5	50.0	77	66-135	20	30
1,1,2-Trichloroethane	52.9	50.0	106	44.4	50.0	89	75-122	18	30
1,1-Dichloroethane (1,1-DCA)	57.1	50.0	114	46.1	50.0	92	79-117	21	30
1,1-Dichloroethene (1,1-DCE)	57.3	50.0	115	43.7	50.0	87	72-128	27	30
1,1-Dichloropropene	58.3	50.0	117	45.0	50.0	90	77-120	26	30
1,2,3-Trichloropropane	47.1	50.0	94	38.6	50.0	77	70-123	20	30
1,2,4-Trichlorobenzene	52.9	50.0	106	44.0	50.0	88	66-127	18	30
1,2-Dibromo-3-chloropropane (DBCP)	51.2	50.0	102	42.5	50.0	85	60-122	19	30
1,2-Dibromoethane (EDB)	51.9	50.0	104	43.3	50.0	87	76-118	18	30
1,2-Dichlorobenzene	52.7	50.0	105	44.7	50.0	89	81-115	16	30
1,2-Dichloroethane	52.4	50.0	105	42.3	50.0	85	70-117	21	30
1,2-Dichloropropane	55.4	50.0	111	44.2	50.0	88	79-117	22	30
1,3-Dichlorobenzene	55.4	50.0	111	44.8	50.0	90	82-116	21	30
1,3-Dichloropropane	51.8	50.0	104	43.5	50.0	87	77-120	18	30
1,4-Dichlorobenzene	55.1	50.0	110	45.7	50.0	91	82-115	19	30
2,2-Dichloropropane	58.3	50.0	117	45.7	50.0	91	58-137	24	30
2-Butanone (MEK)	44.2	50.0	88	32.9	50.0	66	62-138	29	30
2-Hexanone	43.4	50.0	87	34.7	50.0	69 *	74-127	22	30
4-Methyl-2-pentanone (MIBK)	45.7	50.0	91	35.6	50.0	71 *	77-120	25	30
Acetone	42.5	50.0	85	32.1	50.0	64	42-161	28	30
Acetonitrile	58.2	50.0	116	45.2	50.0	90	42-149	25	30
Acrolein	104	125	84	86.4	125	69	10-135	19	30
Acrylonitrile	45.1	50.0	90	38.7	50.0	77	63-132	15	30
Allyl Chloride	58.3	50.0	117	45.2	50.0	90	68-125	25	30
Benzene	54.1	50.0	108	44.2	50.0	88	80-117	20	30
Bromochloromethane	53.3	50.0	107	44.1	50.0	88	78-118	19	30
Bromodichloromethane	57.8	50.0	116	47.6	50.0	95	75-118	19	30
Bromoform	59.3	50.0	119	48.9	50.0	98	63-121	19	30
Bromomethane	56.0	50.0	112	47.6	50.0	95	31-153	16	30
Carbon Disulfide	56.7	50.0	113	43.3	50.0	87	72-128	27	30
Carbon Tetrachloride	63.4	50.0	127 *	48.9	50.0	98	67-124	26	30
Chlorobenzene	56.7	50.0	113	46.8	50.0	94	83-118	19	30
Chloroethane	58.7	50.0	117	44.2	50.0	88	68-132	28	30
Chloroform	58.1	50.0	116	47.4	50.0	95	77-116	20	30
Chloromethane	41.2	50.0	82	31.7	50.0	63	60-128	26	30
Chloroprene	56.7	50.0	113	43.6	50.0	87	70-123	26	30
cis-1,2-Dichloroethene	54.9	50.0	110	44.5	50.0	89	78-117	21	30
cis-1,3-Dichloropropene	57.9	50.0	116	48.6	50.0	97	80-119	17	30
Dibromochloromethane	59.2	50.0	118	49.9	50.0	100	74-121	17	30

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506673
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/20/15
Sample Matrix:	Water		

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

Analysis Method:	8260B	Units:	ug/L
		Basis:	NA
		Analysis Lot:	458643

Analyte Name	Lab Control Sample JQ1506290-01			Duplicate Lab Control Sample JQ1506290-02			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Dibromomethane	53.1	50.0	106	42.5	50.0	85	76-117	22	30
Dichlorodifluoromethane	50.9	50.0	102	36.7	50.0	73	49-132	32 *	30
Ethyl Methacrylate	50.7	50.0	101	42.4	50.0	85	72-126	18	30
Ethylbenzene	56.0	50.0	112	46.2	50.0	92	82-119	19	30
Hexachlorobutadiene	56.6	50.0	113	45.0	50.0	90	65-132	23	30
Iodomethane	49.0	50.0	98	39.3	50.0	79	51-137	22	30
Isobutyl Alcohol	44.6	50.0	89	43	50.0	0 *	32-145	NC	30
m,p-Xylenes	115	100	115	92.3	100	92	79-122	22	30
Methacrylonitrile	47.4	50.0	95	39.0	50.0	78	68-129	19	30
Methyl Methacrylate	47.6	50.0	95	39.5	50.0	79	73-128	19	30
Methylene Chloride	52.9	50.0	106	43.3	50.0	87	75-123	20	30
Naphthalene	47.9	50.0	96	39.7	50.0	79	53-146	19	30
o-Xylene	54.5	50.0	109	44.7	50.0	89	80-119	20	30
Propionitrile	43.0	50.0	86	36.9	50.0	74	59-134	15	30
Styrene	54.9	50.0	110	45.4	50.0	91	80-121	19	30
Tetrachloroethene (PCE)	58.3	50.0	116	46.0	50.0	92	75-126	24	30
Toluene	53.7	50.0	107	43.9	50.0	88	52-152	20	30
trans-1,2-Dichloroethene	58.0	50.0	116	45.6	50.0	91	75-121	24	30
trans-1,3-Dichloropropene	62.5	50.0	125 *	51.3	50.0	103	76-118	20	30
trans-1,4-Dichloro-2-butene	43.3	50.0	87	34.6	50.0	69	10-198	22	30
Trichloroethene (TCE)	57.0	50.0	114	47.0	50.0	94	78-122	19	30
Trichlorofluoromethane	80.9	50.0	162 *	58.1	50.0	116	58-134	33 *	30
Vinyl Acetate	48.2	50.0	96	38.3	50.0	77	36-169	23	30
Vinyl Chloride	59.5	50.0	119	42.0	50.0	84	69-138	34 *	30

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

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-27A	J1506673-001	92	60	42
MW-27B	J1506673-002	62	46	30
Method Blank	JQ1506381-01	89	69	50
Lab Control Sample	JQ1506381-02	102	73	52
Duplicate Lab Control Sample	JQ1506381-03	100	71	51

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

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-27A	J1506673-001	58	34	77
MW-27B	J1506673-002	46	23	43
Method Blank	JQ1506381-01	70	39	85
Lab Control Sample	JQ1506381-02	71	42	90
Duplicate Lab Control Sample	JQ1506381-03	70	41	86

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

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-27A	J1506673-001	77
MW-27B	J1506673-002	43
Method Blank	JQ1506381-01	85
Lab Control Sample	JQ1506381-02	90
Duplicate Lab Control Sample	JQ1506381-03	86

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

SURROGATE RECOVERY SUMMARY
Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270D SIM

Extraction Method: EPA 3510C

Sample Name	Lab Code	2-Fluorobiphenyl	p-Terphenyl-d14
		22 - 105	25 - 127
MW-27A	J1506673-001	63	81
MW-27B	J1506673-002	50	45
Method Blank	JQ1506451-01	72	85

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506673
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/26/15
Sample Matrix:	Water	Date Extracted:	08/25/15

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

Analysis Method:	8270C	Units:	ug/L
Prep Method:	Method	Basis:	NA
		Analysis Lot:	459671

Lab Control Sample JQ1506381-02				Duplicate Lab Control Sample JQ1506381-03					
Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	30.2	40.0	76	30.2	40.0	75	32-144	<1	30
1,2,4-Trichlorobenzene	27.7	40.0	69	27.4	40.0	68	31-130	1	30
1,2-Dichlorobenzene	24.1	40.0	60	24.5	40.0	61	32-127	2	30
1,3,5-Trinitrobenzene	40.7	40.0	102	41.0	40.0	103	40-151	<1	30
1,3-Dichlorobenzene	24.1	40.0	60	24.1	40.0	60	29-125	<1	30
1,3-Dinitrobenzene	32.5	40.0	81	32.5	40.0	81	34-156	<1	30
1,4-Dichlorobenzene	24.4	40.0	61	24.5	40.0	61	30-129	<1	30
1,4-Naphthoquinone	30.3	40.0	76	31.6	40.0	79	42-172	4	30
1-Naphthylamine	38.0	40.0	95	38.5	40.0	96	21-156	1	30
2,3,4,6-Tetrachlorophenol	31.9	40.0	80	32.1	40.0	80	28-158	<1	30
2,4,5-Trichlorophenol	30.1	40.0	75	30.3	40.0	76	32-150	<1	30
2,4,6-Trichlorophenol	32.7	40.0	82	32.8	40.0	82	31-147	<1	30
2,4-Dichlorophenol	29.1	40.0	73	28.7	40.0	72	32-137	1	30
2,4-Dimethylphenol	27.8	40.0	70	27.5	40.0	69	35-134	1	30
2,4-Dinitrophenol	39.1	40.0	98	40.4	40.0	101	17-150	3	30
2,4-Dinitrotoluene	34.6	40.0	86	34.9	40.0	87	34-160	<1	30
2,6-Dichlorophenol	29.3	40.0	73	29.0	40.0	72	32-136	1	30
2,6-Dinitrotoluene	32.1	40.0	80	32.0	40.0	80	35-153	<1	30
2-Acetylaminofluorene	33.8	40.0	85	33.1	40.0	83	42-161	2	30
2-Chloronaphthalene	29.5	40.0	74	29.1	40.0	73	35-138	1	30
2-Chlorophenol	26.0	40.0	65	25.7	40.0	64	30-124	<1	30
2-Methylnaphthalene	27.4	40.0	68	27.5	40.0	69	29-143	<1	30
2-Methylphenol	25.9	40.0	65	25.9	40.0	65	34-118	<1	30
2-Naphthylamine	36.2	40.0	91	34.2	40.0	86	10-163	6	30
2-Nitroaniline	30.1	40.0	75	29.1	40.0	73	26-171	3	30
2-Nitrophenol	31.0	40.0	77	30.7	40.0	77	24-143	<1	30
3- and 4-Methylphenol Coelution	27.8	40.0	69	27.6	40.0	69	30-117	<1	30
3,3'-Dichlorobenzidine	52.4	40.0	131	50.8	40.0	127	43-151	3	30
3,3'-Dimethylbenzidine	4.80	80.0	0 *	4.80	80.0	0 *	9-178	NC	30
3-Methylcholanthrene	31.8	40.0	80	31.6	40.0	79	36-151	<1	30
3-Nitroaniline	33.5	40.0	84	33.0	40.0	82	39-145	2	30
4,6-Dinitro-2-methylphenol	39.7	40.0	99	39.7	40.0	99	16-167	<1	30
4-Aminobiphenyl	64.5	40.0	161 *	66.1	40.0	165 *	36-149	3	30
4-Bromophenyl Phenyl Ether	33.0	40.0	83	33.2	40.0	83	43-145	<1	30
4-Chloro-3-methylphenol	30.8	40.0	77	30.6	40.0	76	34-145	<1	30
4-Chloroaniline	27.7	40.0	69	27.8	40.0	70	36-138	<1	30
4-Chlorophenyl Phenyl Ether	32.8	40.0	82	33.1	40.0	83	39-148	1	30
4-Nitroaniline	33.5	40.0	84	33.0	40.0	82	40-148	2	30
4-Nitrophenol	18.0	40.0	45	17.2	40.0	43	14-98	4	30
7,12-Dimethylbenz(a)anthracene	33.4	40.0	84	31.9	40.0	80	37-139	5	30
Acenaphthene	29.1	40.0	73	29.2	40.0	73	32-147	<1	30

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506673
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/26/15
Sample Matrix:	Water	Date Extracted:	08/25/15

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

Analysis Method:	8270C	Units:	ug/L
Prep Method:	Method	Basis:	NA
		Analysis Lot:	459671

Analyte Name	Lab Control Sample JQ1506381-02			Duplicate Lab Control Sample JQ1506381-03			% Rec	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	Limits		
Acenaphthylene	28.6	40.0	72	28.7	40.0	72	33-142	<1	30
Acetophenone	28.6	40.0	72	28.6	40.0	71	33-133	<1	30
Anthracene	31.0	40.0	77	31.0	40.0	78	41-146	<1	30
Benz(a)anthracene	34.1	40.0	85	33.2	40.0	83	37-157	3	30
Benzo(a)pyrene	35.3	40.0	88	33.6	40.0	84	38-150	5	30
Benzo(b)fluoranthene	35.5	40.0	89	35.0	40.0	88	43-149	1	30
Benzo(g,h,i)perylene	36.1	40.0	90	34.7	40.0	87	34-150	4	30
Benzo(k)fluoranthene	35.3	40.0	88	33.0	40.0	83	35-147	7	30
Benzyl Alcohol	25.5	40.0	64	25.0	40.0	63	31-125	2	30
Bis(2-chloroethoxy)methane	27.4	40.0	68	27.4	40.0	68	32-139	<1	30
Bis(2-chloroethyl) Ether	25.9	40.0	65	25.5	40.0	64	26-137	1	30
Bis(2-chloroisopropyl) Ether	31.9	40.0	80	31.8	40.0	80	26-143	<1	30
Bis(2-ethylhexyl) Phthalate	33.3	40.0	83	32.4	40.0	81	42-155	3	30
Butyl Benzyl Phthalate	33.7	40.0	84	32.7	40.0	82	37-156	3	30
Chlorobenzilate	41.2	40.0	103	40.3	40.0	101	35-158	2	30
Chrysene	33.3	40.0	83	31.9	40.0	80	40-148	4	30
Diallate	31.7	40.0	79	31.6	40.0	79	41-138	<1	30
Dibenz(a,h)anthracene	36.2	40.0	91	34.8	40.0	87	36-155	4	30
Dibenzofuran	30.2	40.0	75	30.3	40.0	76	36-149	<1	30
Diethyl Phthalate	32.8	40.0	82	31.9	40.0	80	40-151	3	30
Dimethyl Phthalate	30.7	40.0	77	30.6	40.0	76	38-150	<1	30
Di-n-butyl Phthalate	33.3	40.0	83	32.7	40.0	82	44-149	2	30
Di-n-octyl Phthalate	34.0	40.0	85	33.1	40.0	83	44-152	3	30
Diphenylamine + n-Nitrosodiphenylamine	31.2	40.0	78	31.1	40.0	78	38-152	<1	30
Ethyl Methanesulfonate	27.2	40.0	68	27.1	40.0	68	32-135	<1	30
Fluoranthene	33.1	40.0	83	32.2	40.0	80	40-148	3	30
Fluorene	31.6	40.0	79	31.6	40.0	79	38-147	<1	30
Hexachlorobenzene	34.7	40.0	87	34.7	40.0	87	43-148	<1	30
Hexachlorobutadiene	28.9	40.0	72	29.0	40.0	73	34-135	<1	30
Hexachlorocyclopentadiene	23.8	40.0	60	25.7	40.0	64	26-140	8	30
Hexachloroethane	24.6	40.0	62	24.5	40.0	61	30-133	<1	30
Hexachloropropene	30.6	40.0	76	30.5	40.0	76	28-139	<1	30
Indeno(1,2,3-cd)pyrene	36.1	40.0	90	34.8	40.0	87	35-151	4	30
Isodrin	32.4	40.0	81	32.2	40.0	80	42-148	<1	30
Isophorone	29.4	40.0	73	29.1	40.0	73	34-142	<1	30
Isosafrole	27.9	40.0	70	28.0	40.0	70	32-148	<1	30
Kepone	3.80	40.0	0 *	3.80	40.0	0 *	10-213	NC	30
Methapyrilene	22.4	40.0	56	22.0	40.0	55	10-159	2	30
Methyl Methanesulfonate	25.1	40.0	63	24.5	40.0	61	27-133	2	30
Naphthalene	27.5	40.0	69	27.3	40.0	68	33-130	<1	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506673
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/26/15
Sample Matrix:	Water	Date Extracted:	08/25/15

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

Analysis Method:	8270C	Units:	ug/L
Prep Method:	Method	Basis:	NA
		Analysis Lot:	459671

Analyte Name	Lab Control Sample JQ1506381-02			Duplicate Lab Control Sample JQ1506381-03			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrobenzene	28.3	40.0	71	28.1	40.0	70	35-137	<1	30
N-Nitrosodiethylamine	26.2	40.0	65	26.3	40.0	66	32-136	<1	30
N-Nitrosodimethylamine	18.4	40.0	46	17.8	40.0	45	11-99	3	30
N-Nitrosodi-n-butylamine	30.3	40.0	76	30.5	40.0	76	37-142	<1	30
N-Nitrosodi-n-propylamine	30.1	40.0	75	29.9	40.0	75	36-138	<1	30
N-Nitrosomethylethylamine	25.7	40.0	64	25.0	40.0	63	34-130	2	30
N-Nitrosopiperidine	28.1	40.0	70	27.7	40.0	69	37-144	2	30
N-Nitrosopyrrolidine	27.3	40.0	68	27.3	40.0	68	32-140	<1	30
o-Toluidine	31.6	40.0	79	31.4	40.0	78	35-133	<1	30
p-Dimethylaminoazobenzene	34.0	40.0	85	32.9	40.0	82	40-164	3	30
Pentachlorobenzene	33.4	40.0	83	33.0	40.0	83	37-147	1	30
Pentachloronitrobenzene (PCNB)	37.1	40.0	93	36.5	40.0	91	44-154	2	30
Pentachlorophenol (PCP)	25.3	40.0	63	25.9	40.0	65	21-177	2	30
Phenacetin	35.0	40.0	88	34.5	40.0	86	47-146	1	30
Phenanthrene	31.3	40.0	78	31.2	40.0	78	41-145	<1	30
Phenol	19.2	40.0	48	17.1	40.0	43	2-95	12	30
p-Phenylenediamine	3.77	40.0	9 *	3.42	40.0	9 *	62-125	10	30
Pronamide	33.6	40.0	84	33.7	40.0	84	43-153	<1	30
Pyrene	34.4	40.0	86	34.1	40.0	85	38-149	<1	30
Safrole	28.7	40.0	72	28.7	40.0	72	35-138	<1	30

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

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-27A	J1506673-001	101
MW-27B	J1506673-002	92
Method Blank	JQ1506391-01	65 *
Lab Control Sample	JQ1506391-02	84
Duplicate Lab Control Sample	JQ1506391-03	84

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

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-27A	J1506673-001	50	54
MW-27B	J1506673-002	17	62
Method Blank	JQ1506349-01	74	65
Lab Control Sample	JQ1506349-02	76	65
Duplicate Lab Control Sample	JQ1506349-03	75	65

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK)
Sample Matrix: Water

Service Request: J1506673

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Extraction Method: EPA 3510C

Sample Name	Lab Code	Decachlorobiphenyl
		10 - 151
MW-27A	J1506673-001	60
MW-27B	J1506673-002	20
Method Blank	JQ1506349-01	80
Lab Control Sample	JQ1506349-02	70
Duplicate Lab Control Sample	JQ1506349-03	80

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc. **Service Request:** J1506673
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544 **Date Analyzed:** 08/27/15
Sample Matrix: Water **Date Extracted:** 08/25/15

Duplicate Lab Control Sample Summary

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

Analysis Method: 8011 **Units:** ug/L
Prep Method: Method **Basis:** NA
Analysis Lot: 459718

Analyte Name	Lab Control Sample JQ1506391-02			Duplicate Lab Control Sample JQ1506391-03					
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane (DBCP)	0.258	0.250	103	0.249	0.250	99	70-130	4	20
1,2-Dibromoethane (EDB)	0.235	0.250	94	0.254	0.250	101	70-130	8	20

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506673
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/25/15
Sample Matrix:	Water	Date Extracted:	08/24/15

Duplicate Lab Control Sample Summary
Organochlorine Pesticides by Gas Chromatography

Analysis Method:	8081A	Units:	ug/L
Prep Method:	EPA 3510C	Basis:	NA
		Analysis Lot:	459431

Lab Control Sample
JQ1506349-02

Duplicate Lab Control Sample
JQ1506349-03

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0734	0.100	73	0.0769	0.100	77	12-121	5	30
4,4'-DDE	0.0722	0.100	72	0.0777	0.100	78	28-117	7	30
4,4'-DDT	0.0645	0.100	65	0.0850	0.100	85	32-126	27	30
Aldrin	0.0703	0.100	70	0.0721	0.100	72	30-100	3	30
alpha-BHC	0.0702	0.100	70	0.0740	0.100	74	30-111	5	30
alpha-Chlordane	0.0686	0.100	69	0.0711	0.100	71	32-118	3	30
beta-BHC	0.0739	0.100	74	0.0763	0.100	76	35-112	3	30
delta-BHC	0.0752	0.100	75	0.0786	0.100	79	34-120	4	30
Dieldrin	0.0700	0.100	70	0.0741	0.100	74	33-118	6	30
Endosulfan I	0.0676	0.100	68	0.0741	0.100	74	14-131	9	30
Endosulfan II	0.0820	0.100	82	0.0857	0.100	86	13-134	4	30
Endosulfan Sulfate	0.0728	0.100	73	0.0814	0.100	81	33-129	11	30
Endrin	0.0720	0.100	72	0.0780	0.100	78	24-141	8	30
Endrin Aldehyde	0.0689	0.100	69	0.0701	0.100	70	10-136	2	30
Endrin Ketone	0.0697	0.100	70	0.0768	0.100	77	34-118	10	30
gamma-BHC (Lindane)	0.0685	0.100	68	0.0706	0.100	71	26-114	3	30
gamma-Chlordane	0.0685	0.100	68	0.0726	0.100	73	33-117	6	30
Heptachlor	0.0620	0.100	62	0.0649	0.100	65	27-119	5	30
Heptachlor Epoxide	0.0676	0.100	68	0.0687	0.100	69	30-124	2	30
Methoxychlor	0.0654	0.100	65	0.0778	0.100	78	18-153	17	30

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QA/QC Report

Client:	Progressive Waste Solutions of FL, Inc.	Service Request:	J1506673
Project:	J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544	Date Analyzed:	08/26/15
Sample Matrix:	Water	Date Extracted:	08/24/15

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082	Units:	ug/L
Prep Method:	EPA 3510C	Basis:	NA
		Analysis Lot:	459680

Lab Control Sample
JQ1506349-02

Duplicate Lab Control Sample
JQ1506349-03

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1016	0.700	1.00	70	0.568	1.00	57	27-120	21	30
Aroclor 1260	0.670	1.00	67	0.535	1.00	54	33-112	22	30

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506673
Date Analyzed: 08/21/15 - 08/27/15

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1506673-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Dissolved	6020	52.8	50.0	106	80-120
Antimony, Total	6020	51.6	50.0	103	80-120
Arsenic, Dissolved	6020	50.8	50.0	102	80-120
Arsenic, Total	6020	48.9	50.0	98	80-120
Barium, Dissolved	6020	104	100	104	80-120
Barium, Total	6020	98.6	100	99	80-120
Beryllium, Dissolved	6020	25.4	25.0	102	80-120
Beryllium, Total	6020	25.8	25.0	103	80-120
Cadmium, Dissolved	6020	20.4	20.0	102	80-120
Cadmium, Total	6020	19.8	20.0	99	80-120
Chromium, Dissolved	6020	51.9	50.0	104	80-120
Chromium, Total	6020	50.5	50.0	101	80-120
Cobalt, Dissolved	6020	52.4	50.0	105	80-120
Cobalt, Total	6020	51.3	50.0	103	80-120
Copper, Dissolved	6020	52.0	50.0	104	80-120
Copper, Total	6020	52.4	50.0	105	80-120
Iron, Dissolved	6010B	5170	5000	103	80-120
Iron, Total	6010B	5090	5000	102	80-120
Lead, Dissolved	6020	25.0	25.0	100	80-120
Lead, Total	6020	25.3	25.0	101	80-120
Mercury, Dissolved	7470A	1.16	1.25	93	80-120
Mercury, Total	7470A	1.20	1.25	96	80-120
Nickel, Dissolved	6020	105	100	105	80-120
Nickel, Total	6020	102	100	102	80-120
Selenium, Dissolved	6020	102	100	102	80-120
Selenium, Total	6020	101	100	100	80-120
Silver, Dissolved	6020	26.3	25.0	105	80-120
Silver, Total	6020	25.6	25.0	102	80-120
Thallium, Dissolved	6020	10.3	10.0	103	80-120
Thallium, Total	6020	10.2	10.0	102	80-120
Tin, Dissolved	6020	257	250	103	80-120
Tin, Total	6020	251	250	100	80-120
Vanadium, Dissolved	6020	104	100	104	80-120

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506673
Date Analyzed: 08/21/15 - 08/27/15

Lab Control Sample Summary
Inorganic Parameters

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

J1506673-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Vanadium, Total	6020	98.5	100	99	80-120
Zinc, Dissolved	6020	254	250	101	80-120
Zinc, Total	6020	253	250	101	80-120

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506673
Date Analyzed: 08/21/15 - 08/24/15

Lab Control Sample Summary
Inorganic Parameters

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

J1506673-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Dissolved	6010B	25.9	25.0	104	80-120
Sodium, Total	6010B	25.1	25.0	100	80-120

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506673**Date Collected:** 08/19/15**Date Received:** 08/20/15**Date Analyzed:** 08/24/15**Replicate Sample Summary
General Chemistry Parameters**

Sample Name: MW-27A
Lab Code: J1506673-001

Units: mg/L**Basis:** NA

Analyte Name	Analysis Method	PQL	MDL	Sample Result	Duplicate Sample	Average	RPD	RPD Limit
					J1506673-001DUP Result			
Solids, Total Dissolved	SM 2540 C	10	10	139	135	137	3	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.

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506673
Date Analyzed: 08/20/15 - 08/26/15

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1506673-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.972	1.00	97	90-110
Chloride	300.0	23.6	25.0	94	90-110
Nitrate as Nitrogen	300.0	5.09	5.00	102	90-110
Solids, Total Dissolved	SM 2540 C	299	300	100	85-115
Sulfide, Total	SM 4500-S2- F	19.4	20.0	97	85-115

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506673
Date Analyzed: 08/24/15

Lab Control Sample Summary
General Chemistry Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1506673-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	335.4	99.2	100	99	90-110

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QA/QC Report

Client: Progressive Waste Solutions of FL, Inc.
Project: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)/89544
Sample Matrix: Water

Service Request: J1506673
Date Analyzed: 08/27/15

Lab Control Sample Summary
Ammonia as Nitrogen

Analysis Method: 350.1

Units: mg/L
Basis: NA
Analysis Lot: 459674

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	J1506673-LCS2	0.962	1.00	96	90-110



Cooler Receipt Form

Client: PWSFL Service Request #: 51506073
Project: JED SWPF Baseline
Cooler received on 8/20/15 and opened on 8/20/15 by M6W
COURIER: ALS UPS FEDEX Client Other _____ Airbill # 8062 8712 6147

- 1 Were custody seals on outside of cooler? ☒ Yes ☒ No 8/20/15
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) 1.3
- 5 Thermometer ID 171
- 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? ☒ Yes No N/A
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:

8/20/15 1 out of 10 vials in ^{VOA} sample MW27.B were broken
1 out of 88 liter bottles in sample MW27.B was broken
8/20/15

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

PAGE 1 OF 1

SR# J1506673
CAS Contract

Project Name		Project Number	ANALYSIS REQUESTED (Include Method Number and Container Preservative)										PRESERVATIVE		NUMBER OF CONTAINERS		SAMPLING		LAB ID		CLIENT SAMPLE ID		SPECIAL INSTRUCTIONS/COMMENTS		TURNAROUND REQUIREMENTS		REPORT REQUIREMENTS		INVOICE INFORMATION		RECEIVED BY	
Project Manager		Email Address	Company/Address		Phone #	FAX #	Sampler's Printed Name	DATE	TIME	MATRIX	DATE		TIME		LAB ID		CLIENT SAMPLE ID		SPECIAL INSTRUCTIONS/COMMENTS		TURNAROUND REQUIREMENTS		REPORT REQUIREMENTS		INVOICE INFORMATION		RECEIVED BY					
JEDSUSEF Baseline			11457 CR 672																													
Joe Terry			Riverview, FL 33579																													
PWSFL			11457 CR 672																													
PWSFL			11457 CR 672																													
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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

Monday, August 31, 2015

ALS Environmental (CO009)

Attn: Craig Myers

9143 Philips Highway, Suite 200

Jacksonville, FL 32256

RE: Laboratory Results for

Project Number: J1506673, Project Name/Desc: J1506673

ENCO Workorder(s): A505364

Dear Craig Myers,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Saturday, August 22, 2015.

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: MW-27A	Lab ID: A505364-01	Sampled: 08/19/15 08:45	Received: 08/22/15 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	08/26/15	10/05/15	08/26/15	04:48	08/28/15 11:39
EPA 8151A	08/26/15	10/05/15	08/26/15	05:30	08/26/15 19:14

Client ID: MW-27B	Lab ID: A505364-02	Sampled: 08/19/15 10:00	Received: 08/22/15 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	08/26/15	10/05/15	08/26/15	04:48	08/28/15 12:42
EPA 8151A	08/26/15	10/05/15	08/26/15	05:30	08/26/15 19:39

SAMPLE DETECTION SUMMARY

No positive results detected.

ANALYTICAL RESULTS

Description: MW-27A

Lab Sample ID: A505364-01

Received: 08/22/15 08:00

Matrix: Water

Sampled: 08/19/15 08:45

Work Order: A505364

Project: J1506673

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]^	0.28	U	ug/L	1	0.28	0.50	5H26006	EPA 8151A	08/26/15 19:14	RC	QL-02
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	5H26006	EPA 8151A	08/26/15 19:14	RC	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	5H26006	EPA 8151A	08/26/15 19:14	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	5H26006	EPA 8151A	08/26/15 19:14	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	5H26006	EPA 8151A	08/26/15 19:14	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	2.0	1	2.04	99 %	48-151	5H26006	EPA 8151A	08/26/15 19:14	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	5H26005	EPA 8141B	08/28/15 11:39	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	QL-02
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Methyl parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	5H26005	EPA 8141B	08/28/15 11:39	RC	
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	5H26005	EPA 8141B	08/28/15 11:39	RC	QL-02
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	5H26005	EPA 8141B	08/28/15 11:39	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	5.2	1	5.10	101 %	22-165	5H26005	EPA 8141B	08/28/15 11:39	RC	

ANALYTICAL RESULTS

Description: MW-27B

Lab Sample ID: A505364-02

Received: 08/22/15 08:00

Matrix: Water

Sampled: 08/19/15 10:00

Work Order: A505364

Project: J1506673

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]^	0.28	U	ug/L	1	0.28	0.50	5H26006	EPA 8151A	08/26/15 19:39	RC	QL-02
2,4,5-TP (Silvex) [93-72-1]^	0.44	U	ug/L	1	0.44	0.50	5H26006	EPA 8151A	08/26/15 19:39	RC	
2,4-D [94-75-7]^	0.27	U	ug/L	1	0.27	0.50	5H26006	EPA 8151A	08/26/15 19:39	RC	
Dinoseb [88-85-7]^	0.32	U	ug/L	1	0.32	0.50	5H26006	EPA 8151A	08/26/15 19:39	RC	
Pentachlorophenol [87-86-5]^	0.19	U	ug/L	1	0.19	0.50	5H26006	EPA 8151A	08/26/15 19:39	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
2,4-DCAA	1.6	1	2.00	82 %	48-151	5H26006	EPA 8151A	08/26/15 19:39	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	5H26005	EPA 8141B	08/28/15 12:42	RC	
Bolstar [35400-43-2]^	0.39	U	ug/L	1	0.39	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Chlorpyrifos [2921-88-2]^	0.29	U	ug/L	1	0.29	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Coumaphos [56-72-4]^	0.42	U	ug/L	1	0.42	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Demeton [8065-48-3]^	0.28	U	ug/L	1	0.28	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	QL-02
Diazinon [333-41-5]^	0.27	U	ug/L	1	0.27	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Dichlorofenthion [97-17-6]^	0.28	U	ug/L	1	0.28	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Dichlorvos [62-73-7]^	0.39	U	ug/L	1	0.39	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Dimethoate [60-51-5]^	0.35	U	ug/L	1	0.35	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Disulfoton [298-04-4]^	0.29	U	ug/L	1	0.29	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
EPN [2104-64-5]^	0.40	U	ug/L	1	0.40	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Ethion [563-12-2]^	0.38	U	ug/L	1	0.38	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Ethoprop [13194-48-4]^	0.26	U	ug/L	1	0.26	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Ethyl Parathion [56-38-2]^	0.33	U	ug/L	1	0.33	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Fensulfothion [115-90-2]^	0.41	U	ug/L	1	0.41	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Fenthion [55-38-9]^	0.28	U	ug/L	1	0.28	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Malathion [121-75-5]^	0.31	U	ug/L	1	0.31	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Merphos [150-50-5]^	0.48	U	ug/L	1	0.48	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Methyl parathion [298-00-0]^	0.31	U	ug/L	1	0.31	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Mevinphos [7786-34-7]^	0.47	U	ug/L	1	0.47	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Monocrotophos [6923-22-4]^	0.22	U	ug/L	1	0.22	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Naled [300-76-5]^	0.50	U	ug/L	1	0.50	1.0	5H26005	EPA 8141B	08/28/15 12:42	RC	
Phorate [298-02-2]^	0.30	U	ug/L	1	0.30	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Ronnel [299-84-3]^	0.29	U	ug/L	1	0.29	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Stirophos (Tetrachlorvinphos) [22248-79-9]^	0.41	U	ug/L	1	0.41	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
Sulfotep [3689-24-5]^	0.30	U	ug/L	1	0.30	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	
TEPP [107-49-3]^	0.63	U	ug/L	1	0.63	1.0	5H26005	EPA 8141B	08/28/15 12:42	RC	QL-02
Tokuthion (Prothiofos) [34643-46-4]^	0.33	U	ug/L	1	0.33	0.50	5H26005	EPA 8141B	08/28/15 12:42	RC	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
Triphenyl phosphate	4.5	1	5.05	89 %	22-165	5H26005	EPA 8141B	08/28/15 12:42	RC	

QUALITY CONTROL DATA

Chlorinated Herbicides by GC - Quality Control

Batch 5H26006 - EPA 3510C

Blank (5H26006-BLK1)

Prepared: 08/26/2015 05:30 Analyzed: 08/26/2015 16:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.28	U	0.50	ug/L							QL-02
2,4,5-TP (Silvex)	0.44	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	1.9			ug/L	2.00		95	48-151			

LCS (5H26006-BS1)

Prepared: 08/26/2015 05:30 Analyzed: 08/26/2015 17:06

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		134	47-142			
2,4-D	2.4		0.50	ug/L	2.00		121	37-129			
Pentachlorophenol	2.2		0.50	ug/L	2.00		111	37-132			
2,4-DCAA	2.4			ug/L	2.00		118	48-151			

Matrix Spike (5H26006-MS1)

Prepared: 08/26/2015 05:30 Analyzed: 08/26/2015 17:31

Source: A505297-01

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	0.44 U	135	47-142			
2,4-D	2.5		0.50	ug/L	2.00	0.27 U	124	37-129			
Pentachlorophenol	2.2		0.50	ug/L	2.00	0.19 U	110	37-132			
2,4-DCAA	2.3			ug/L	2.00		116	48-151			

Matrix Spike Dup (5H26006-MSD1)

Prepared: 08/26/2015 05:30 Analyzed: 08/26/2015 17:57

Source: A505297-01

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	0.44 U	134	47-142	1	15	
2,4-D	2.7		0.50	ug/L	2.00	0.27 U	136	37-129	10	33	QM-07
Pentachlorophenol	2.1		0.50	ug/L	2.00	0.19 U	105	37-132	5	23	
2,4-DCAA	2.3			ug/L	2.00		116	48-151			

Organophosphorus Compounds by GC - Quality Control

Batch 5H26005 - EPA 3510C

Blank (5H26005-BLK1)

Prepared: 08/26/2015 04:48 Analyzed: 08/28/2015 05:20

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							QL-02
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							

QUALITY CONTROL DATA

Organophosphorus Compounds by GC - Quality Control

Batch 5H26005 - EPA 3510C - Continued

Blank (5H26005-BLK1) Continued

Prepared: 08/26/2015 04:48 Analyzed: 08/28/2015 05:20

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Disulfoton	0.29	U	0.50	ug/L							
EPN	0.40	U	0.50	ug/L							
Ethion	0.38	U	0.50	ug/L							
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							
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							QL-02
Tokuthion (Prothiofos)	0.33	U	0.50	ug/L							
Triphenyl phosphate	4.9			ug/L	5.00		98	22-165			

LCS (5H26005-BS1)

Prepared: 08/26/2015 04:48 Analyzed: 08/28/2015 06:23

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	4.0		0.50	ug/L	4.00		100	10-171			
EPN	4.4		0.50	ug/L	4.00		109	10-168			
Malathion	4.3		0.50	ug/L	4.00		109	17-167			
Monocrotophos	0.59		0.50	ug/L	4.00		15	10-197			
Naled	3.8		1.0	ug/L	4.00		94	10-132			
Sulfotep	4.1		0.50	ug/L	4.00		103	50-200			
TEPP	4.5		1.0	ug/L	4.00		114	50-106			QL-02
Triphenyl phosphate	5.6			ug/L	5.00		111	22-165			

Matrix Spike (5H26005-MS1)

Prepared: 08/26/2015 04:48 Analyzed: 08/28/2015 07:27

Source: A505297-01

Analyte	Result	Flaq	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	4.4		0.50	ug/L	4.00	0.35 U	111	10-171			
EPN	4.9		0.50	ug/L	4.00	0.40 U	124	10-168			
Malathion	4.9		0.50	ug/L	4.00	0.31 U	123	17-167			
Monocrotophos	0.70		0.50	ug/L	4.00	0.22 U	17	10-197			
Naled	3.8		1.0	ug/L	4.00	0.50 U	95	10-132			
Sulfotep	4.4		0.50	ug/L	4.00	0.30 U	110	50-200			
TEPP	5.0		1.0	ug/L	4.00	0.63 U	125	10-106			J-02
Triphenyl phosphate	6.2			ug/L	5.00		124	22-165			

QUALITY CONTROL DATA

Organophosphorus Compounds by GC - Quality Control

Batch 5H26005 - EPA 3510C - Continued

Matrix Spike Dup (5H26005-MSD1)

Prepared: 08/26/2015 04:48 Analyzed: 08/28/2015 08:30

Source: A505297-01

Analyte	Result	Flag	POL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dimethoate	4.1		0.50	ug/L	4.00	0.35 U	102	10-171	8	20	
EPN	4.6		0.50	ug/L	4.00	0.40 U	115	10-168	8	50	
Malathion	4.6		0.50	ug/L	4.00	0.31 U	114	17-167	8	39	
Monocrotophos	0.22	U	0.50	ug/L	4.00	0.22 U		10-197		29	QM-07, QM-11
Naled	3.3		1.0	ug/L	4.00	0.50 U	82	10-132	14	35	
Sulfotep	3.6		0.50	ug/L	4.00	0.30 U	90	50-200	20	25	
TEPP	4.2		1.0	ug/L	4.00	0.63 U	104	10-106	19	28	J-02
Triphenyl phosphate	6.1			ug/L	5.00		123	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).
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.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.

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*

Project Number: J1506673
Project Manager: Craig Myers

A505364

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID	HERB 8151A	Pest OP 8141B
				Date	Time			
J1506673-001	MW-27A	2	Water	8/19/15	0845	ENCO	X	X
J1506673-002	MW-27B	2	Water	8/19/15	1000	ENCO	X	X

Test Comments
Pest OP - 8141B
HERB - 8151A

J1506673-001,2
J1506673-001,2

Report Appendix II List
Report Appendix II List

Relinquished: C. Toorp 8-21-15 11:30

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/I <u>Y</u> EDD <u>Y</u>	Invoice Information
	Requested FAX Date: _____		PO# 5311506673
	Requested Report Date: 09/03/15 8/31/15		Bill to

Relinquished By: *C. Toorp* 8/20/15

Received By: *C. Toorp* 8-21-15 11:10

blue @ 2.50C

SB 08/22/15



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

Appendix B

Subcontracted Analytical Results

August 31, 2015

Craig Myers
ALS Environmental
9143 Philips Hwy, Suite 200
Jacksonville, FL 32256

RE: Project: J1506673
Pace Project No.: 35203714

Dear Craig Myers:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lori Palmer
lori.palmer@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: J1506673

Pace Project No.: 35203714

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236

Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: J1506673

Pace Project No.: 35203714

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35203714001	J1506673-004	Water	08/19/15 08:45	08/21/15 11:38
35203714002	J1506673-005	Water	08/19/15 10:00	08/21/15 11:38

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: J1506673

Pace Project No.: 35203714

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35203714001	J1506673-004	EPA 508.1	JTJ	2	PASI-O
		EPA 8081	JLG	4	PASI-O
		EPA 8141	WFH	2	PASI-O
		EPA 8270	BPJ	8	PASI-C
		EPA 8270	EAO	7	PASI-O
35203714002	J1506673-005	EPA 508.1	JTJ	2	PASI-O
		EPA 8081	JLG	4	PASI-O
		EPA 8141	WFH	2	PASI-O
		EPA 8270	BPJ	8	PASI-C
		EPA 8270	EAO	7	PASI-O

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J1506673
Pace Project No.: 35203714

Sample: J1506673-004 Lab ID: 35203714001 Collected: 08/19/15 08:45 Received: 08/21/15 11:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
508.1 GCS Pesticides Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Hexachlorobenzene	0.069 U	ug/L	0.63	0.069	1	08/28/15 10:15	08/28/15 17:53	118-74-1	Y
Surrogates									
Decachlorobiphenyl (S)	100	%	70-130		1	08/28/15 10:15	08/28/15 17:53	2051-24-3	
8081 GCS Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Chlorobenzilate	0.077 U	ug/L	0.20	0.077	1	08/25/15 08:30	08/26/15 01:47	510-15-6	
Pentachloronitrobenzene	0.066 U	ug/L	0.20	0.066	1	08/25/15 08:30	08/26/15 01:47	82-68-8	
Surrogates									
Tetrachloro-m-xylene (S)	21	%	53-130		1	08/25/15 08:30	08/26/15 01:47	877-09-8	P2,S7
Decachlorobiphenyl (S)	16	%	10-130		1	08/25/15 08:30	08/26/15 01:47	2051-24-3	
8141 GCS O/P Pesticides Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Famphur	0.58 U	ug/L	1.0	0.58	1	08/24/15 13:00	08/25/15 20:56	52-85-7	
Surrogates									
4-Chloro3nitrobenzotrifluoride	40	%	34.2-122		1	08/24/15 13:00	08/25/15 20:56		
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Diallate	2.6 U	ug/L	20.0	2.6	1	08/26/15 15:30	08/28/15 14:16	2303-16-4	Q
Kepone	6.3 U	ug/L	20.0	6.3	1	08/26/15 15:30	08/28/15 14:16	143-50-0	Q
Surrogates									
Nitrobenzene-d5 (S)	47	%	21-110		1	08/26/15 15:30	08/28/15 14:16	4165-60-0	
2-Fluorobiphenyl (S)	47	%	27-110		1	08/26/15 15:30	08/28/15 14:16	321-60-8	
Terphenyl-d14 (S)	42	%	31-107		1	08/26/15 15:30	08/28/15 14:16	1718-51-0	
Phenol-d6 (S)	40	%	10-110		1	08/26/15 15:30	08/28/15 14:16	13127-88-3	
2-Fluorophenol (S)	40	%	12-110		1	08/26/15 15:30	08/28/15 14:16	367-12-4	
2,4,6-Tribromophenol (S)	56	%	27-110		1	08/26/15 15:30	08/28/15 14:16	118-79-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2,4-Dinitrotoluene	1.1 U	ug/L	4.0	1.1	1	08/24/15 17:20	08/26/15 18:56	121-14-2	
Surrogates									
Nitrobenzene-d5 (S)	16	%	10-110		1	08/24/15 17:20	08/26/15 18:56	4165-60-0	
2-Fluorobiphenyl (S)	20	%	18-110		1	08/24/15 17:20	08/26/15 18:56	321-60-8	
Terphenyl-d14 (S)	29	%	10-123		1	08/24/15 17:20	08/26/15 18:56	1718-51-0	
Phenol-d6 (S)	17	%	10-110		1	08/24/15 17:20	08/26/15 18:56	13127-88-3	
2-Fluorophenol (S)	16	%	18-110		1	08/24/15 17:20	08/26/15 18:56	367-12-4	J(S0)
2,4,6-Tribromophenol (S)	29	%	10-110		1	08/24/15 17:20	08/26/15 18:56	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: J1506673
Pace Project No.: 35203714

Sample: J1506673-005 Lab ID: 35203714002 Collected: 08/19/15 10:00 Received: 08/21/15 11:38 Matrix: Water									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
508.1 GCS Pesticides Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Hexachlorobenzene	0.11 U	ug/L	1.0	0.11	1	08/28/15 10:15	08/28/15 18:19	118-74-1	Y
Surrogates									
Decachlorobiphenyl (S)	49	%	70-130		1	08/28/15 10:15	08/28/15 18:19	2051-24-3	J(S5), P2
8081 GCS Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3510									
Chlorobenzilate	0.077 U	ug/L	0.20	0.077	1	08/25/15 08:30	08/26/15 01:27	510-15-6	
Pentachloronitrobenzene	0.066 U	ug/L	0.20	0.066	1	08/25/15 08:30	08/26/15 01:27	82-68-8	
Surrogates									
Tetrachloro-m-xylene (S)	22	%	53-130		1	08/25/15 08:30	08/26/15 01:27	877-09-8	P2, S7
Decachlorobiphenyl (S)	15	%	10-130		1	08/25/15 08:30	08/26/15 01:27	2051-24-3	
8141 GCS O/P Pesticides Analytical Method: EPA 8141 Preparation Method: EPA 3510									
Famphur	0.58 U	ug/L	1.0	0.58	1	08/24/15 13:00	08/25/15 21:34	52-85-7	
Surrogates									
4-Chloro3nitrobenzotrifluoride	42	%	34.2-122		1	08/24/15 13:00	08/25/15 21:34		
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Diallate	2.6 U	ug/L	20.0	2.6	1	08/26/15 15:30	08/28/15 15:47	2303-16-4	Q
Kepone	6.3 U	ug/L	20.0	6.3	1	08/26/15 15:30	08/28/15 15:47	143-50-0	Q
Surrogates									
Nitrobenzene-d5 (S)	12	%	21-110		1	08/26/15 15:30	08/28/15 14:46	4165-60-0	J(S0), P2
2-Fluorobiphenyl (S)	14	%	27-110		1	08/26/15 15:30	08/28/15 14:46	321-60-8	J(S0)
Terphenyl-d14 (S)	35	%	31-107		1	08/26/15 15:30	08/28/15 14:46	1718-51-0	
Phenol-d6 (S)	5	%	10-110		1	08/26/15 15:30	08/28/15 14:46	13127-88-3	J(S0)
2-Fluorophenol (S)	2	%	12-110		1	08/26/15 15:30	08/28/15 14:46	367-12-4	J(S0)
2,4,6-Tribromophenol (S)	28	%	27-110		1	08/26/15 15:30	08/28/15 14:46	118-79-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2,4-Dinitrotoluene	1.1 U	ug/L	4.0	1.1	1	08/24/15 17:20	08/26/15 19:19	121-14-2	
Surrogates									
Nitrobenzene-d5 (S)	15	%	10-110		1	08/24/15 17:20	08/26/15 19:19	4165-60-0	
2-Fluorobiphenyl (S)	16	%	18-110		1	08/24/15 17:20	08/26/15 19:19	321-60-8	J(S0)
Terphenyl-d14 (S)	16	%	10-123		1	08/24/15 17:20	08/26/15 19:19	1718-51-0	
Phenol-d6 (S)	17	%	10-110		1	08/24/15 17:20	08/26/15 19:19	13127-88-3	
2-Fluorophenol (S)	17	%	18-110		1	08/24/15 17:20	08/26/15 19:19	367-12-4	J(S0)
2,4,6-Tribromophenol (S)	20	%	10-110		1	08/24/15 17:20	08/26/15 19:19	118-79-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J1506673

Pace Project No.: 35203714

QC Batch: OEXT/24058

Analysis Method: EPA 508.1

QC Batch Method: EPA 508.1

Analysis Description: 508 GCS Pesticide

Associated Lab Samples: 35203714001, 35203714002

METHOD BLANK: 1315435

Matrix: Water

Associated Lab Samples: 35203714001, 35203714002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachlorobenzene	ug/L	0.011 U	0.10	08/28/15 15:15	
Decachlorobiphenyl (S)	%	97	70-130	08/28/15 15:15	

LABORATORY CONTROL SAMPLE: 1315436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/L	.5	0.50	101	70-130	
Decachlorobiphenyl (S)	%			85	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J1506673

Pace Project No.: 35203714

QC Batch: OEXT/23998

Analysis Method: EPA 8081

QC Batch Method: EPA 3510

Analysis Description: 8081 GCS Pesticides

Associated Lab Samples: 35203714001, 35203714002

METHOD BLANK: 1310962

Matrix: Water

Associated Lab Samples: 35203714001, 35203714002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorobenzilate	ug/L	0.039 U	0.10	08/25/15 21:13	
Pentachloronitrobenzene	ug/L	0.033 U	0.10	08/25/15 21:13	
Decachlorobiphenyl (S)	%	56	10-130	08/25/15 21:13	
Tetrachloro-m-xylene (S)	%	63	53-130	08/25/15 21:13	

LABORATORY CONTROL SAMPLE & LCSD: 1310963

1311328

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Decachlorobiphenyl (S)	%				49	46	10-130			
Tetrachloro-m-xylene (S)	%				56	54	53-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: J1506673

Pace Project No.: 35203714

QC Batch: OEXT/23960

Analysis Method: EPA 8141

QC Batch Method: EPA 3510

Analysis Description: 8141 GCS, O/P Pesticides

Associated Lab Samples: 35203714001, 35203714002

METHOD BLANK: 1308132

Matrix: Water

Associated Lab Samples: 35203714001, 35203714002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Famphur	ug/L	0.29 U	0.50	08/25/15 12:36	
4-Chloro3nitrobenzotrifluoride	%	86	34.2-122	08/25/15 12:36	

LABORATORY CONTROL SAMPLE & LCSD: 1308133

1310403

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Famphur	ug/L	2	1.6	0.93	81	47	38-143	53	40	J(R1)
4-Chloro3nitrobenzotrifluoride	%				73	119	34.2-122			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: J1506673

Pace Project No.: 35203714

QC Batch: OEXT/37330

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 35203714001, 35203714002

METHOD BLANK: 1541783

Matrix: Water

Associated Lab Samples: 35203714001, 35203714002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diallate	ug/L	1.3 U	10.0	08/28/15 10:41	
Kepone	ug/L	3.1 U	10.0	08/28/15 10:41	
2,4,6-Tribromophenol (S)	%	82	27-110	08/28/15 10:41	
2-Fluorobiphenyl (S)	%	74	27-110	08/28/15 10:41	
2-Fluorophenol (S)	%	38	12-110	08/28/15 10:41	
Nitrobenzene-d5 (S)	%	71	21-110	08/28/15 10:41	
Phenol-d6 (S)	%	27	10-110	08/28/15 10:41	
Terphenyl-d14 (S)	%	84	31-107	08/28/15 10:41	

LABORATORY CONTROL SAMPLE & LCSD: 1541784

1541785

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diallate	ug/L	50	37.8	39.6	76	79	47-123	5	30	
Kepone	ug/L	100	70.4	69.2	70	69	10-124	2	30	
2,4,6-Tribromophenol (S)	%				96	99	27-110			
2-Fluorobiphenyl (S)	%				66	75	27-110			
2-Fluorophenol (S)	%				35	35	12-110			
Nitrobenzene-d5 (S)	%				66	69	21-110			
Phenol-d6 (S)	%				25	26	10-110			
Terphenyl-d14 (S)	%				75	83	31-107			

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QUALITY CONTROL DATA

Project: J1506673

Pace Project No.: 35203714

QC Batch: OEXT/23987

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 35203714001, 35203714002

METHOD BLANK: 1310514

Matrix: Water

Associated Lab Samples: 35203714001, 35203714002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4-Dinitrotoluene	ug/L	0.53 U	2.0	08/26/15 16:34	
2,4,6-Tribromophenol (S)	%	86	10-110	08/26/15 16:34	
2-Fluorobiphenyl (S)	%	66	18-110	08/26/15 16:34	
2-Fluorophenol (S)	%	35	18-110	08/26/15 16:34	
Nitrobenzene-d5 (S)	%	55	10-110	08/26/15 16:34	
Phenol-d6 (S)	%	24	10-110	08/26/15 16:34	
Terphenyl-d14 (S)	%	88	10-123	08/26/15 16:34	

LABORATORY CONTROL SAMPLE: 1310515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	50	38.7	77	39-139	
2,4,6-Tribromophenol (S)	%			87	10-110	
2-Fluorobiphenyl (S)	%			65	18-110	
2-Fluorophenol (S)	%			34	18-110	
Nitrobenzene-d5 (S)	%			60	10-110	
Phenol-d6 (S)	%			26	10-110	
Terphenyl-d14 (S)	%			74	10-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1310878 1310879

Parameter	Units	35203761002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4-Dinitrotoluene	ug/L	0.51 U	48.5	48.1	37.2	34.6	77	72	39-139	7	40
2,4,6-Tribromophenol (S)	%						70	67	10-110		
2-Fluorobiphenyl (S)	%						52	48	18-110		
2-Fluorophenol (S)	%						26	25	18-110		
Nitrobenzene-d5 (S)	%						48	45	10-110		
Phenol-d6 (S)	%						23	22	10-110		
Terphenyl-d14 (S)	%						69	65	10-123		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: J1506673
Pace Project No.: 35203714

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte
PASI-O Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: GCSV/15592

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

U Compound was analyzed for but not detected.
J(R1) Estimated Value. RPD value was outside control limits.
J(S0) Estimated Value. Surrogate recovery outside laboratory control limits.
J(S5) Estimated Value. Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
P2 Re-extraction or re-analysis could not be performed due to insufficient sample amount.
Q Sample held beyond the accepted holding time.
S7 Surrogate recovery outside control limits (not confirmed by re-analysis).
Y The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: J1506673

Pace Project No.: 35203714

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35203714001	J1506673-004	EPA 508.1	OEXT/24058	EPA 508.1	GCSV/15634
35203714002	J1506673-005	EPA 508.1	OEXT/24058	EPA 508.1	GCSV/15634
35203714001	J1506673-004	EPA 3510	OEXT/23998	EPA 8081	GCSV/15592
35203714002	J1506673-005	EPA 3510	OEXT/23998	EPA 8081	GCSV/15592
35203714001	J1506673-004	EPA 3510	OEXT/23960	EPA 8141	GCSV/15585
35203714002	J1506673-005	EPA 3510	OEXT/23960	EPA 8141	GCSV/15585
35203714001	J1506673-004	EPA 3510	OEXT/37330	EPA 8270	MSSV/11148
35203714002	J1506673-005	EPA 3510	OEXT/37330	EPA 8270	MSSV/11148
35203714001	J1506673-004	EPA 3510	OEXT/23987	EPA 8270	MSSV/8338
35203714002	J1506673-005	EPA 3510	OEXT/23987	EPA 8270	MSSV/8338

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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

Project Number: J1506673
Project Manager: Craig Myers

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID	Misc Out 1 <i>None</i> EPA 505	Misc Out 2 <i>None</i> EPA 8081	Misc Out 3 <i>None</i> EPA 8270
				Date	Time				
J1506673-004	MW-27A	5	Water	8/19/15	0845	SunLabs	X	X	X
J1506673-005	MW-27B	5	Water	8/19/15	1000	SunLabs	X	X	X

WO#: 35203714



35203714

Test Comments

Misc Out 1 - None **505** J1506673-004,5
Misc Out 2 - None **8081** J1506673-004,5
Misc Out 3 - None **8270** J1506673-004,5

Report Hexachlorobenzene Only

Report Chlorobenzilate and Diallylate Only

Report 2,4-Dinitrotoluene, Famphur, Kepone, and Pentachloronitrobenzene Only

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 Requested FAX Date: _____ Requested Report Date: 09/03/15 8/31/15	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# 53J1506673 Bill to

Relinquished By:

CR Myers 8/20/15

Received By:

Chadwick **Pace** 8/21/15
11:38

Airbill Number:

Page 14 of 15

Page 1

	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 11, 2014
	Document No.: F-FL-C-007 rev. 06	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR) Table Number: 35203714

Client Name: ALS Project # 35203714

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking # 5498 9752 7135

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used IPA-14 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature °C 3.7 (Visual) 0 (Correction Factor) 3.7 (Actual)

Date and Initials of person examining contents: 8/21/15 CLG

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

☐ Yes ☐ No

Receipt of samples satisfactory: ☐ Yes ☐ No Rush TAT requested on COC:

If yes, then all conditions below were met: If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	☐
Chain of Custody Filled Out	☐
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐
All containers needing preservation are found to be in compliance with EPA recommendation.	☐
No Headspace in VOA Vials (>6mm):	☐
No Labels:	☐ No Time/Date on Labels: ☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____ Size & Qty of Bottles Received

Production Code: _____ x 5 Gal

x 2.5 Gal

x 1 Gal

x 1 Liter

x 500 mL

x 250 mL

x Other: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No