Prepared For:

Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, Florida 34773

18th SEMI-ANNUAL WATER QUALITY MONITORING REPORT

J.E.D. Solid Waste Management Facility
1501 Omni Way
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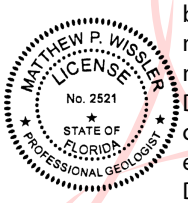

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1. INTRODUCTION

1.1 Terms of Reference

On behalf of Omni Waste of Osceola County, LLC (Omni), Geosyntec Consultants (Geosyntec) has prepared the 18th semi-annual water quality monitoring report for the J.E.D. Solid Waste Management (JED) facility. This report summarizes and provides interpretation of the water quality monitoring performed in accordance with the Water Quality Monitoring Plan (Plan) prepared as part of the JED facility permit application. The requirements for executing the Plan were presented in Appendix 3 - Monitoring Plan Implementation Schedule (MPIS) of the current Permit (Permit Number SO49-0199726-022) that authorizes the development of Phases 1 through 4 at the JED facility issued by the Florida Department of Environmental Protection (FDEP) on 12 July 2012.

This report was prepared on behalf of Waste Services, Incorporated (WSI), parent company of Omni Waste of Osceola County, LLC, owner and operator of the JED facility by Mr. Matthew Wissler of Geosyntec. A completed water quality certification form (FDEP Form 62-701.900[31]) is included in **Appendix A**.

1.2 Overview

The Plan and the MPIS describe a water quality monitoring program at the JED facility that has as its intent to: (i) measure and report groundwater and surface water conditions for the monitoring network; (ii) monitor the groundwater flow direction; and (iii) monitor the groundwater and surface water quality on a semi-annual basis. The 18th semi-annual water quality monitoring event was completed from 6 May through 13 May 2013. This report includes presentation and discussions of the sample locations, sampling procedures, laboratory analyses and results, field data measurements, groundwater level measurements, groundwater flow direction and surface water quality monitoring. In addition, this report includes a comparison of the analytical results of this sampling event to applicable Groundwater Cleanup Target Levels (GCTLs) as promulgated in Chapter 62-777, Florida Administrative Code (FAC).

1.3 Site Description

The JED facility is located in eastern Osceola County, Florida, west of highway U.S. 441, and approximately 6.5 miles south of Holopaw. The facility is 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. The FDEP issued a permit to construct and operate Phase 1 development of the JED facility in October 2003. Phase 1 development includes four landfill

cells (Cells 1 through 4), located in the northern part of the landfill encompassing approximately 54 acres. As part of Phase 1, forty-five (45) groundwater monitoring wells were installed in fifteen (15) clusters (MW-1 through MW-15) around the perimeter of the Phase 1 development area. The baseline water quality report for the Phase 1 monitoring well network was submitted to FDEP in May 2004. All components of the Phase 1 development have been constructed.

The FDEP issued a permit to construct and operate Phases 2 and 3 at the JED facility in March 2007. The development of Phases 2 and 3 includes six cells (Cells 5 through 10) with a total footprint of approximately 72 acres. As part of Phases 2 and 3 development, and as approved by FDEP, six (6) existing Phase 1 monitoring wells (MW-14 A, B, and C, and MW-15 A, B, and C), and ten (10) piezometers were decommissioned. The wells and piezometers were decommissioned to allow for construction of future cells, construction of a storm water retention basin located within Phases 2 and 3, and due to the close proximity of piezometers to the new network wells installed. The decommissioning of the monitoring wells and piezometers was discussed in the Phases 2 and 3 baseline water quality report. For the development of Phases 2 and 3, twenty-four (24) additional groundwater monitoring wells were installed in eight (8) well clusters (MW-16 through MW-23) around the perimeter of the Phases 2 and 3 development areas in September 2007. The baseline water quality report for the Phases 2 and 3 monitoring well network was submitted to FDEP in January 2008.

The FDEP issued a permit to construct and operate Phases 1 through 3 with vertical expansion at the JED facility in April 2008. In April 2009, the MPIS for the semi-annual water quality monitoring well network and sampling schedule were updated for Phases 1, 2 and 3. The modification included a reduction of the Phase 3 monitoring wells required to be sampled semi-annually until such time that waste placement commences in one of the Phase 3 cells (i.e., Cells 8, 9 and 10) and the sampling schedule was modified for the B-zone (intermediate) and C-zone (deep). These monitoring wells are now sampled on an alternating annual basis. The C-zone monitoring wells MW-1 through MW-13, MW-16, MW-19 through MW-23 and B-zone monitoring well MW-16B are sampled in November and reported in January; B-zone monitoring wells MW-1 through MW-13, MW-16, MW-19 through MW-23 and C-zone monitoring well MW-16C are sampled in May and reported in July.

Cell 1 was completed in January 2004, Cell 4 was completed in May 2005, Cell 2 was completed in April 2006, Cell 3 was completed in October 2006, Cell 5 was completed in October 2007, Cell 6 was completed in July 2008 and Cell 7 was completed in August 2010. The FDEP issued a permit to construct a lateral expansion of the facility on 8 August 2011, which authorizes construction of Phases 3-8, Cells 8-23. Cell 8 was completed in April 2012. During construction startup of Cell 8 in November 2011, monitoring well cluster MW-22 (A, B and C) was decommissioned to accommodate the perimeter road access to Cell 8. The MW-22 cluster abandonment report was submitted to the FDEP in April 2012. The well cluster was replaced in March 2012 and located on the perimeter access road approximately 800 feet south of well

cluster MW-23. The shallow, intermediate and deep monitoring wells were designated MW-22RA, MW-22RB and MW-22RC, respectively. The baseline water quality report for cluster MW-22R was submitted to the FDEP in July 2012.

Corresponding to the most recent 5-year permit renewal, the FDEP issued a permit to operate on 12 July 2012, authorizing disposal operations in Phases 1-4, Cells 1-13. The MPIS for the semi-annual water quality monitoring well network and sampling schedule was updated during the recent 5-year permit renewal and is provided as Appendix 3 of the current Permit.

2. MONITORING WELL DETAILS

2.1 Well Layout and Construction

For the Phase 1 development, forty five (45) groundwater monitoring wells were installed in fifteen (15) clusters (MW-1 through MW-15) around the perimeter of the Phase 1 development area. In accordance with the FDEP permit requirements monitoring well clusters were located such that the spacing between well clusters was no greater than 500 feet. For development of Phases 2 and 3, twenty four (24) groundwater monitoring wells were installed in eight (8) clusters (MW-16 through MW-23) around the perimeter of the Phases 2 and 3 development areas. In accordance with the FDEP permit requirements, the monitoring well clusters were located such that the spacing between detection well clusters (MW-16 through MW-21) was approximately 500 feet, and the spacing between background well clusters (MW-22R and MW-23) was approximately 800 feet. Each monitoring well cluster consisted of three (3) groundwater monitoring wells installed (i) across the water table to monitor the upper limit of the surficial aquifer (identified as A-zone [shallow] wells); (ii) within the lower limit of the upper surficial aquifer above the intermediate clay layer (identified as C-zone [deep] wells); and (iii) at an intermediate depth between the shallow and deep wells (identified as B-zone [intermediate] wells).

A layout depicting the location of groundwater monitoring wells installed for Phases 2 and 3, and the previously installed groundwater monitoring wells for Phase 1 are shown for the shallow zone ("A" wells) on **Figure 1**. As shown, groundwater monitoring well clusters MW-1 through MW-13, MW-22R and MW-23 were installed along the top of the outer edge of the landfill perimeter berm. The ground surface at the location of the wells in the perimeter berm is at approximately Elevation 92 ft with respect to National Geodetic Vertical Datum of 1929 (NGVD, 1929). Groundwater monitoring well clusters MW-16 and MW-17 were installed along the outer edge of the landfill perimeter berm that serves as the initial storm water berm. The ground surface at these two well locations is at approximately Elevation 85 ft NGVD, 1929. Monitoring well clusters MW-18 through MW-21 were installed along the interim Phase 3 storm water berm at the southern limit of the Phase 3 development at approximately Elevation 84 ft NGVD, 1929. The locations of each well, in Florida state plane coordinates and latitude/longitude, and elevation NGVD, 1929 were surveyed by professional land surveyors licensed in the State of Florida.

Wells were constructed with 2-inch diameter schedule 40 PVC casing. The well screens were 10-ft in length with #6-slot (0.006-in.). A 30/45 graded silica sand was placed around the screen to a height of 2 to 3 ft above the top of the screen. A seal of 30/65 graded fine silica sand was placed above the sand filter around the screen. The remaining annular space from the top of the fine sand filter seal to the existing ground surface was grouted using a tremie pipe with a cement/bentonite mixture containing no more than 5 percent bentonite by dry weight. The PVC well casings were extended approximately 2.5 to 3 ft above the existing ground surface. Surface

completion consisted of a protective aluminum casing with a lockable cover set in a concrete pad. Each well was provided with a well cap, padlock, and an identification label. A summary of the monitoring well construction details are presented in **Table 1**.

2.2 Turbidity Issues

As discussed in the baseline water quality reports for the Phase 1, and Phases 2 and 3 monitoring networks, the formation around the screened intervals consists primarily of a fine, brown to dark brown, silty sand. Due to the subsurface formation properties, fine-grained and colloidal material are able to pass through the sand filter pack in many wells, primarily in the B-zone and C-zone wells. This is the case even though the wells are constructed using the smallest screen slot size (0.006 in.) commonly available. Most of the intermediate and deep wells had turbidity values in excess of the 20 nephelometric turbidity unit (NTU) criterion even after extended well development and the removal of multiple well volumes.

The difficulty in attaining the desired turbidity criterion was originally discussed at a meeting between Geosyntec and FDEP on 12 January 2004 during the well development activities associated with the wells installed as part of the Phase 1 development. Geosyntec notified FDEP again on 14 September 2007 of the elevated turbidity levels even after extended well development during development of the Phases 2 and 3 monitoring wells. In accordance with these discussions, it was agreed to collect field-filtered (1-micron) and unfiltered samples for metals analyses for any sample with a turbidity value greater than 20 NTU. The data generated by the dual sampling is expected to help demonstrate: (i) what effect turbidity may have on metal analyses (i.e., compare total and dissolved metals concentrations); and (ii) whether groundwater samples with turbidities greater than 20 NTU showed higher concentrations of metals than those samples with turbidities less than 20 NTU.

3. MONITORING WELL SAMPLING

3.1 Sampling Locations and Procedures

In accordance with the MPIS, twenty-six (26) monitoring wells installed as part of the Phase 1 development and thirteen (13) of the monitoring wells installed as part of the Phase 2 and 3 development were sampled. Monitoring wells sampled this monitoring event included A and B-zone monitoring wells MW-1 through MW-13, MW-16, MW-19 through MW-23 and C-Zone monitoring well MW-16C. Low-flow sampling techniques were used for groundwater sample collection. Except for the turbidity considerations as described in the previous section, all groundwater sampling was performed in accordance with the current applicable FDEP Standard Operating Procedures (DEP-SOP-001-01, December 2008) for groundwater sampling. Additionally, for quality control (QC) purposes, two equipment blanks were collected and analyzed.

Peristaltic pumps were used to purge and sample all A-zone (shallow) and the majority of the B-zone (intermediate) groundwater monitoring wells and C-zone well MW-16C. Because of continued issues relative to turbidity levels, a stainless steel submersible pump was used to purge and sample B-zone monitoring wells MW-8B and MW-16B through MW-22RB. A submersible pump is utilized in select monitoring wells where the pump rate of the peristaltic pump is not sufficient to adequately purge the wells. New tubing (silicone and/or polyethylene) was used at each monitoring well.

During the purging process, a YSI 556 water quality meter equipped with a flow-through cell was used to monitor the following field parameters: pH; temperature; field conductivity; oxidation-reduction potential (ORP); and dissolved oxygen. Turbidity levels were measured using a LaMotte 2020e turbidity meter. Field parameters were recorded on sample collection forms, which are contained in **Appendix B**. Observations pertaining to the color of the groundwater samples collected were also noted on the sample collection forms. When the field parameters stabilized within the acceptable tolerances required by the FDEP SOP, well purging was considered complete and groundwater samples were collected. For wells where the turbidity was not less than 20 NTU, stability was established by purging at least 5 well volumes and observing variations in the measured turbidity. For problematic wells, once the turbidity had stabilized and all other parameters conformed to the guidance set forth in the FDEP SOP's, samples were collected.

For monitoring wells where peristaltic pumps were used, volatile organic compound (VOC) sample vials were filled by removing the down well sample tubing, disconnecting the tubing from the water quality meter flow through cell, and reversing the flow direction on the peristaltic pump.

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

3.2 Sample Analyses

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

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

4. ANALYTICAL RESULTS

4.1 Field Parameters

Table 2 provides a summary of the field measurements of selected water quality parameters utilized for determining sample stability for this semi-annual monitoring event.

4.2 Groundwater Monitoring Wells

The analytical laboratory results for this groundwater sampling event have been transferred to a compact disc (CD) and are included in **Appendix E**. Analytical results have been summarized in **Table 3** to show all parameters where a constituent concentration was reported above the applicable FDEP Groundwater Cleanup Target Level (GCTL). Any parameter exceeding the GCTL has been highlighted orange. The following discussion regarding groundwater quality is limited to those parameters where the GCTL was exceeded in at least one groundwater monitoring well and has been organized by analytical method.

Total Metals (Methods 6020 and 6010B)

Arsenic was reported above the GCTL of 10 µg/L in MW-13A (12.9 µg/L). Please note in the MPIS under item 5, the FDEP accepts as a background arsenic concentration 20 µg/L in MW-13A.

Iron was reported above the GCTL of 300 µg/L in eighteen (18) of the A-zone monitoring wells sampled with the concentrations ranging between 620 and 40,200 µg/L, with the highest concentration from MW-6A. Iron was detected above the GCTL in eighteen (18) of the B-zone monitoring wells sampled this event with concentrations ranging between 530 and 26,600 µg/L, with the highest concentration from MW-9B. Iron was reported above the GCTL in C-zone monitoring well MW-16C (810 µg/L). Iron has historically exceeded the GCTL in all wells at the site for all monitoring events including the baseline events. The iron concentrations reported for the 18th semi-annual event are consistent with period of record data.

Sodium was detected above the GCTL of 160 mg/L in shallow monitoring well MW-1A (201 mg/L).

Ammonia-N (Method 350.1)

Ammonia-N was reported above the GCTL of 2.8 mg/L in twelve (12) of the A-zone monitoring wells sampled this event with the concentrations ranging between 4.88 and 21.6 mg/L, with the highest concentration from MW-9A. The GCTL for Ammonia-N was not exceeded in any samples collected from B or C-zone monitoring wells. The ammonia-N concentrations reported for the 18th semi-annual event are consistent with period of record data.

As indicated in recent correspondence by HDR, (Class I Permit Renewal Request for Additional Information – January 2012), given that the JED facility is a double geosynthetically lined landfill including a witness zone (secondary liner), an alternative and probable source of ammonia in groundwater at the JED facility includes naturally occurring sources of nitrogen containing compounds present in the organic rich soils. Under the right biogeochemical conditions, nitrogen containing compounds can be converted to ammonia under reducing geochemical conditions. Reducing conditions can be formed in a variety of ways including, shadow effect due to reduction of oxygen rich precipitation infiltration over a large area, displacement of oxygen by landfill gas immediately above the water table, and release of organic matter which promotes the growth of microorganisms which can consume oxygen.

As HDR noted, reductive dissolution is a plausible explanation for the detection of ammonia at the facility. Researchers have recently found good correlation with arsenic and ammonia with iron which supports the concept of reductive dissolution of iron hydroxide as a dominant reaction mobilizing these compounds in groundwater. The reductive dissolution of iron and the associated mobilization of iron in groundwater are well documented in literature. More recent research demonstrates this same mechanism can explain the release of arsenic at landfills. The mechanisms of iron and arsenic chemistry are well established; however, the presence of ammonia in groundwater at landfills has only recently been evaluated.

It has been reported that ammonium will co-precipitate with iron. Conversely as a result of reductive dissolution, ammonium would be mobilized in the groundwater if no other adsorption sites are readily available for the ammonium cation. As a cation, ammonium may be bound to soil particles through ion exchange. If high concentrations of Fe^{+2} are released (such as those that occur during reductive dissolution), an increase in ammonium ion concentrations in groundwater would be expected.

A large scale leachate release would produce pronounced concentration increases in groundwater, but the increases in ammonia seem to occur at the onset of construction without correlation to the filling sequence. Neither the constituents nor the concentrations

detected in groundwater appear to correlate well with leachate. As discussed in the recent 4th Biennial Report, if detections in groundwater were due to a direct leachate release, the concentrations of various indicator constituents (such as chloride, sodium etc.) found in groundwater should be relatively proportional to those found in leachate samples, particularly given the close proximity of the groundwater wells to the leachate sumps, however this is not the case. The VOC's (and concentrations) detected in leachate are markedly different than the VOC fingerprint at individual wells (which further supports landfill gas as the source of the benzene in groundwater). A direct release of leachate should also indicate proportional levels of other indicator compounds such as sodium, chloride and metals concurrent with ammonia.

Although ammonia is considered a common leachate indicator, no definitive evidence of a leachate discharge exists. The preponderance of evidence does support the concept that the source of ammonia is from reductive dissolution reactions mobilizing ammonia present in site soils. Shallow groundwater at the site is strongly reducing favoring the process of reductive dissolution.

Total Dissolved Solids (Method SM 2540C)

TDS was detected above the GCTL of 500 mg/L in shallow monitoring wells MW-1A (1,160 mg/L), MW-8A (769 mg/L) and MW-19A (760 mg/L) and intermediate monitoring well MW-9B (681 mg/L). TDS is an indicator parameter whose value can be attributable to the presence of major cations and anions, such as calcium, magnesium, sodium, chloride, and sulfate.

Chloride (Method 300.0)

Chloride was detected above the GCTL of 250 mg/L in shallow monitoring well MW-1A (412 mg/L).

40 CFR Part 258, Appendix I Volatile Compounds (Method 8260)

Benzene was detected above the GCTL of 1.0 µg/L in eleven (11) A-zone monitoring wells at concentrations ranging from 2 to 8.8 µg/L, with the highest concentration from MW-3A. Benzene was detected above the GCTL in B-zone monitoring well MW-11B at a concentration of 3.7 µg/L.

As indicated in recent correspondence by HDR, (Class I Permit Renewal Request for Additional Information – January 2012) the source of benzene in groundwater is likely attributed to landfill gas. As noted in the previous discussion for detections of Ammonia-N, neither the constituents nor the concentrations of VOC's detected in groundwater

appear to correlate well with leachate results. As discussed in the recent 4th Biennial Report, if detections in groundwater were due to a direct leachate release, the concentrations of various indicator constituents (such as chloride, sodium etc.) found in groundwater should be relatively proportional to those found in leachate samples, particularly given the close proximity of the groundwater wells to the leachate sumps, however this is not the case. The VOC's (and concentrations) detected in leachate are markedly different than the VOC fingerprint at individual wells (which further supports landfill gas as the source of the benzene in groundwater).

Total Phenolics (Method 420.4)

Analysis for total phenolic compounds resulted in qualified detections (**v** qualifier which indicates analyte was detected in both the sample and the associated method blank) in all of the A-zone monitoring wells, with the concentrations ranging between 15 and 69 µg/L. Additionally, all detections, with the exception of the 69 µg/L result at MW-8A, where qualified (**i** qualifier) due to the reported value is between the laboratory method detection limit (MDL) and the laboratory practical quantification limit (PQL) indicating these values are estimated. It also should be noted that a GCTL is not established for total phenolics but rather only phenol. EPA Method 420.4 determines the level of total phenolics and does not quantify the level of phenol.

This is the first semi-annual water quality monitoring event that included total phenolic analysis for the B-zone monitoring wells; and consequently, the only basis for comparison is the initial sampling events conducted in 2003 for the Phase I monitoring well network (clusters MW-1 through MW-13) and 2007 for the Phases II & III network (clusters MW-16 through MW-23). Given that the results show the concentrations are similar and equally distributed in all of the site monitoring wells, including the C-zone wells sampled in November 2012, the detections are likely a result of naturally occurring compounds.

4.3 Data Validation

All analyses were performed within the method specified holding times.

Two equipment blanks were collected during the 18th semi-annual monitoring event. One (1) equipment blank was collected using the peristaltic pump used for collection of the groundwater sample from MW-7A. The second equipment blank was collected using the stainless steel submersible pump used for collection of the groundwater sample at MW-20B. De-ionized water supplied by ALS was pumped through the decontaminated submersible pump and new tubing and analyzed for the same parameters as the

groundwater samples. The same procedure was also used for the peristaltic pump and associated tubing.

Analysis of the QC sample collected through the peristaltic pump (Equipment Blank -1) resulted in a detection of methylene chloride (4 µg/L); however, this parameter was not detected in any of the monitoring wells sampled with the peristaltic pump indicating this is most likely a laboratory contaminant. Arsenic and iron were detected in the QC sample at a concentration below the Method Reporting Limit (MRL). Total phenolic compounds were detected in the QC sample at a concentration of 17 µg/L; however, this parameter was also detected in the laboratory method blank. All other constituents analyzed for were not detected in the QC sample collected through the peristaltic pump.

Analysis of the QC sample collected through the submersible pump (Equipment Blank -2) resulted in a detection of chloroform (0.38 µg/L) and methylene chloride (6.5 µg/L); however, these compounds were not detected in any of the monitoring wells sampled with the submersible pump indicating these are most likely laboratory contaminants. Chromium was detected in the QC sample at a concentration below the MRL and total dissolved solids were detected at a concentration of 10 mg/L. Total phenolic compounds were detected in the QC sample at a concentration of 27 µg/L; however, this parameter was also detected in the laboratory method blank. All other constituents analyzed for were not detected in the QC sample collected through the submersible pump.

4.4 Impact of Turbidity on Metals Concentrations

Turbidity levels were less than the FDEP guidance of 20 NTUs in thirty six (36) of the thirty nine (39) wells sampled. Monitoring wells MW-19A, MW-16B and MW-20B had turbidity levels of 63, 36 and 63.5 NTU, respectively. Considering that more than five (5) well volumes were purged from MW-19A, MW-16B and MW-20B and turbidity levels were stable and relatively low, no filtered samples were collected. Historical data shows that the turbidity levels for the monitoring well network has improved over the course of the semi-annual water quality monitoring events and the need to continue collection of dissolved metal samples may no longer be necessary.

5. GROUNDWATER LEVEL MEASUREMENTS AND FLOW DIRECTION

5.1 Field Measurements

Groundwater level measurements were obtained on 6 May 2013 from all Phases 1 through 3 groundwater monitoring wells and the remaining piezometers installed as part of the original site hydrogeological investigation. All groundwater level measurements were made within an approximate 4-hr period. The groundwater level measurements from the monitoring wells and piezometers are presented in **Table 4**.

5.2 Water Level Contours

The water level contour map prepared from groundwater level measurements for the surficial aquifer in the A-zone (shallow) is presented in **Figure 1**. Historically, the direction of the horizontal component of groundwater flow for all three zones is predominantly east-northeast towards Bull Creek. The groundwater level elevation data collected from the A-zone monitoring well network indicate the direction of the horizontal component of groundwater flow is predominantly east-northeast toward Bull Creek.

Historically, comparison of water levels between the A, B and C wells shows a similar vertical gradient ($1E^{-3}$ ft/ft). These gradients are consistent with the regional gradient in the upper surficial aquifer and indicate an interconnected, sluggish flow regime in the saturated zone above the Intermediate Confining Unit (ICU).

6. SURFACE WATER SAMPLING

6.1 Sampling Locations and Procedures

During the May 2013 water quality monitoring event Bull Creek was dry with the exception of scattered stagnant pools; therefore a representative surface water sample could not be collected.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 Sampling Locations

The existing monitoring well network is adequate for monitoring purposes and no changes are recommended.

7.2 Sample Analyses

The detections of ammonia, iron, and arsenic above the GCTLs in specific groundwater monitoring wells have been discussed in detail in the 1st, 2nd, 3rd and 4th Biennial Technical Reports on Water Quality (November 2006, September 2008, November 2010 and November 2011, respectively). As discussed in Section 4.2, it is likely that the iron, arsenic and ammonia are not related to a leachate release from the disposal boundary, but rather mobilization of these constituents due to the presence of nitrogen containing compounds under reducing conditions. Our recommendation is to continue to monitor these constituents as part of the current MPIS.

The detections of sodium and chloride above the GCTLs in groundwater monitoring well MW-1A have increased since the 17th semi-annual water quality monitoring event. Sodium and chloride are leachate indicator parameters; however the concentrations seen in MW-1A are well below those observed in past leachate analyses. A release of leachate is not suspected to be the cause of the increased sodium and chloride. Rather, these detections are likely due to stormwater runoff and cover soil erosion from uncapped areas that occurred within the past year directly upslope of the Cell 5 sump area and MW-1A. Omni has assessed the stormwater drainage issues in this area and has made plans to install additional stormwater downpiping and an outfall structure in this area. These improvements are expected to correct stormwater drainage issues in the vicinity of MW-1A and therefore, the concentrations of sodium and chloride are expected to decrease in the well. Our recommendation is to continue to monitor these constituents as part of the current MPIS.

All of the monitoring wells sampled this event had detections for total phenolic compounds above the laboratory MDL. Please note however, that all of the results except for MW-8A (69 µg/L) were below the laboratory MRL of 50 µg/L, which results in concentrations that cannot be accurately quantified within the level of certainty established for these samples. It also should be noted that a GCTL is not established for total phenolics but rather only phenol. EPA Method 420.4 determines the level of total phenolics and does not quantify the level of phenol.

Given that the JED facility is a double geosynthetically lined landfill, and the total phenolic compound detections were throughout the network, including similar concentrations in the C-zone wells sampled in November 2012, it is likely that the compounds are naturally occurring and not a result of a leachate release. Based upon these results and considering the little historical data available for total phenolics at the JED facility, this may not be an appropriate indicator parameter. Since other leachate indicator parameters such as sodium, chloride and TDS are a part of the current monitoring requirement and have been since the baseline events, it is our recommendation to eliminate the total phenolic analysis from the monitoring parameter list.

As reported in the 4th Biennial Technical Report on Groundwater Quality it was originally thought that the prior detections of benzene were attributable to residual contamination from the erosion caused by surface water run-off from the landfill in the vicinity of MW-9A, but as benzene has been detected in more wells around the Phase 1 area it appears that this is not the primary cause. As discussed in Section 4.2, it is more likely that the elevated benzene and other volatile organic compound (VOC) detections may be attributable to landfill gas migration. As a result of this, Omni has initiated several investigations and corrective measures related to landfill gas migration. The most recent corrective measures included expansion of the existing methane gas recovery system in Cells 4, 6, 7 and 8, and installation of five gas recovery wells within the structural fill soils surrounding the vertical manholes of the Cell 5 sump. This work was documented in quarterly status reports to the FDEP. It is anticipated that the expansion of the methane gas recovery system will help mitigate the methane migration issues which will result in a reduction of VOCs in groundwater samples collected at MW-1A and MW-9A during subsequent semi-annual monitoring events.

A Soil Vapor Extraction (SVE) Pilot Test Work Plan was submitted to the FDEP on 27 January 2012 and subsequently approved on 6 February 2012. In accordance with the work plan, the SVE Pilot Test system consists of a vertical SVE system located at the Cell 5 sump area near groundwater monitoring wells MW-1A/B/C and a horizontal SVE system located along the west side of Cell 1 near groundwater monitoring wells MW-

4A/B/C. The Installation and Progress Report dated October 17, 2012 provided the details of the Pilot SVE system construction and initial monitoring data. As discussed in the October 17, 2012 report, the horizontal SVE system was experiencing subsurface water issues at the perforated pipe section from surface storm water infiltration during wet weather conditions. Omni has since discontinued monitoring of the horizontal SVE system and terminated that portion of the pilot test. The piping system has been removed by Omni operations. Monitoring and reporting for the SVE Pilot Test is ongoing under separate report to the FDEP.

Our recommendation is to continue semi-annual monitoring of these constituents as part of the current MPIS while the on-going gas migration investigation and SVE pilot study continues.

TABLES

Table 1 (1 of 3)

SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS
18th SEMI-ANNUAL WATER QUALITY MONITORING EVENT
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Well Designation	Latitude (NAD 1983)	Longitude (NAD 1983)	WACS ID	Date Installed	Top of Casing Elevation, TOC (feet)	Total Depth (feet BTOC)	Screen Setting				Sand Pack (feet BTOC)	Fine-Grained Sand Seal (feet BTOC)
							(feet BTOC)		(feet Elevation)			
							Top	Bottom	Top	Bottom		
MW-1A	28 03 48.55	81 05 59.88	19900	9-Dec-03	95.1	23.0	13.0	23.0	82.1	72.1	10.6	8.2
MW-2A	28 03 51.99	81 05 59.90	19903	10-Dec-03	95.2	22.6	12.6	22.6	82.6	72.6	10.3	8.9
MW-3A	28 03 55.34	81 05 59.91	19906	11-Dec-03	94.6	22.8	12.8	22.8	81.9	71.9	10.4	9.0
MW-4A	28 03 58.97	81 05 59.92	19909	12-Dec-03	95.5	23.1	13.1	23.1	82.4	72.4	10.8	9.4
MW-5A	28 04 02.92	81 05 59.95	19912	24-Nov-03	95.3	22.5	12.5	22.5	82.8	72.8	10.1	9.1
MW-6A	28 04 06.50	81 05 59.15	19915	25-Nov-03	94.7	22.6	12.6	22.6	82.2	72.2	10.6	8.6
MW-7A	28 04 07.13	81 05 54.78	19918	26-Nov-03	95.5	23.3	13.3	23.3	82.2	72.2	10.3	9.3
MW-8A	28 04 06.20	81 05 50.64	19921	5-Dec-03	94.7	22.5	12.5	22.5	82.2	72.2	10.2	8.6
MW-9A	28 04 04.34	81 05 46.60	19924	4-Dec-03	94.7	22.4	12.4	22.4	82.3	72.3	10.0	8.6
MW-10A	28 04 00.07	81 05 44.77	19927	3-Dec-03	96.3	22.1	12.1	22.1	84.1	74.1	9.8	7.6
MW-11A	28 03 55.43	81 05 43.27	19930	3-Dec-03	93.6	22.8	12.8	22.8	80.7	70.7	10.5	9.1
MW-12A	28 03 52.08	81 05 43.26	19933	2-Dec-03	95.1	23.0	13.0	23.0	82.1	72.1	10.7	9.3
MW-13A	28 03 48.67	81 05 43.25	19936	8-Dec-03	95.2	22.5	12.5	22.5	82.7	72.7	10.2	7.7
MW-14A	Monitoring Well Abandoned 10 July 2007											
MW-15A	Monitoring Well Abandoned 10 July 2007											
MW-16A	28 03 44.55	81 05 40.22	22342	21-Sep-07	88.7	18.6	8.1	18.1	80.6	70.6	6.1	5.1
MW-17A	28 03 42.38	81 05 35.42	22345	22-Sep-07	88.9	19.9	9.4	19.4	79.5	69.5	7.4	6.4
MW-18A	28 03 37.21	81 05 35.16	22348	11-Sep-07	87.6	17.7	7.2	17.2	80.4	70.4	5.2	4.2
MW-19A	28 03 33.40	81 05 39.60	22351	11-Sep-07	87.5	17.7	7.2	17.2	80.4	70.4	5.2	4.2
MW-20A	28 03 31.82	81 05 45.45	22354	19-Sep-07	87.1	17.9	7.4	17.4	79.7	69.7	5.4	4.4
MW-21A	28 03 32.10	81 05 52.48	22357	14-Sep-07	87.2	18.0	7.5	17.5	79.7	69.7	5.5	4.5
MW-22A	Monitoring Well Abandoned 11 November 2011											
MW-22RA	28 03 34.703	81 06 0.622	28685	14-Mar-12	95.0	23.7	13.0	23.0	82.0	72.0	10.5	9.5
MW-23A	28 03 42.41	81 05 59.79	22363	25-Sep-07	97.9	27.8	17.3	27.3	80.7	70.7	15.3	14.3

Table 1 (2 of 3)

SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS
18th SEMI-ANNUAL WATER QUALITY MONITORING EVENT
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Well Designation	Latitude (NAD 1983)	Longitude (NAD 1983)	WACS ID	Date Installed	Top of Casing Elevation, TOC (feet)	Total Depth (feet BTOC)	Screen Setting				Sand Pack (feet BTOC)	Fine-Grained Sand Seal (feet BTOC)
							(feet BTOC)		(feet Elevation)			
							Top	Bottom	Top	Bottom		
MW-1B	28 03 48.59	81 05 59.89	19901	9-Dec-03	95.0	47.9	37.9	47.9	57.1	47.1	35.6	33.1
MW-2B	28 03 51.94	81 05 59.90	19904	10-Dec-03	95.2	48.3	38.3	48.3	56.9	46.9	36.0	34.6
MW-3B	28 03 55.31	81 05 59.91	19907	11-Dec-03	94.7	47.6	37.6	47.6	57.1	47.1	35.3	33.9
MW-4B	28 03 59.01	81 05 59.92	19910	12-Dec-03	95.2	47.4	37.4	47.4	57.8	47.8	35.1	33.5
MW-5B	28 04 02.88	81 05 59.95	19913	24-Nov-03	95.3	47.1	37.1	47.1	58.2	48.2	34.4	32.7
MW-6B	28 04 06.48	81 05 59.18	19916	25-Nov-03	94.6	47.4	37.4	47.4	57.2	47.2	34.9	33.5
MW-7B	28 04 07.13	81 05 54.81	19919	26-Nov-03	95.3	47.5	37.5	47.5	57.8	47.8	34.5	33.5
MW-8B	28 04 06.19	81 05 50.60	19922	5-Dec-03	94.6	49.6	39.6	49.6	55.0	45.0	37.1	35.6
MW-9B	28 04 04.31	81 05 46.56	19925	4-Dec-03	94.6	49.1	39.1	49.1	55.5	45.5	36.8	35.3
MW-10B	28 04 00.04	81 05 44.75	19928	3-Dec-03	96.2	48.3	38.3	48.3	58.0	48.0	35.9	33.9
MW-11B	28 03 55.40	81 05 43.27	19931	2-Dec-03	93.6	47.9	37.9	47.9	55.7	45.7	35.5	34.0
MW-12B	28 03 52.05	81 05 43.27	19934	1-Dec-03	95.0	49.0	39.0	49.0	56.1	46.1	36.6	35.1
MW-13B	28 03 48.64	81 05 43.24	19937	8-Dec-03	95.1	47.2	37.2	47.2	58.0	48.0	34.8	33.4
MW-14B	Monitoring Well Abandoned 10 July 2007											
MW-15B	Monitoring Well Abandoned 10 July 2007											
MW-16B	28 03 44.52	81 05 40.17	22343	21-Sep-07	88.7	38.1	27.6	37.6	61.1	51.1	25.6	24.6
MW-17B	28 03 42.35	81 05 35.36	22346	20-Sep-07	88.8	40.2	29.7	39.7	59.1	49.1	27.7	26.7
MW-18B	28 03 37.16	81 05 35.19	22349	11-Sep-07	87.4	37.8	27.3	37.3	60.1	50.1	25.3	24.3
MW-19B	28 03 33.38	81 05 39.66	22352	11-Sep-07	87.6	37.7	27.2	37.2	60.4	50.4	25.2	24.2
MW-20B	28 03 31.82	81 05 45.51	22355	19-Sep-07	87.3	37.8	27.3	37.3	60.0	50.0	25.3	24.3
MW-21B	28 03 32.09	81 05 52.55	22358	17-Sep-07	87.2	37.6	27.1	37.1	60.1	50.1	25.1	24.1
MW-22B	Monitoring Well Abandoned 11 November 2011											
MW-22RB	28 03 34.665	81 05 59.850	28686	15-Mar-12	94.9	46.1	35.5	45.5	59.4	49.4	33.0	28.0
MW-23B	28 03 42.46	81 05 59.79	22364	25-Sep-07	97.9	42.75	32.3	42.3	65.7	55.7	30.3	29.3

Table 1 (3 of 3)

SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS
18th SEMI-ANNUAL WATER QUALITY MONITORING EVENT
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Well Designation	Latitude (NAD 1983)	Longitude (NAD 1983)	WACS ID	Date Installed	Top of Casing Elevation, TOC (feet)	Total Depth (feet BTOC)	Screen Setting				Sand Pack (feet BTOC)	Fine-Grained Sand Seal (feet BTOC)
							(feet BTOC)		(feet Elevation)			
							Top	Bottom	Top	Bottom		
MW-1C	28 03 48.63	81 05 59.88	19902	9-Dec-03	95.2	75.2	65.2	75.2	30.0	20.0	62.9	61.4
MW-2C	28 03 51.90	81 05 59.89	19905	10-Dec-03	95.3	68.4	58.4	68.4	36.9	26.9	56.1	53.7
MW-3C	28 03 55.28	81 05 59.91	19908	11-Dec-03	94.7	68.7	58.7	68.7	36.0	26.0	56.3	54.8
MW-4C	28 03 59.04	81 05 59.92	19911	12-Dec-03	95.4	72.5	62.5	72.5	32.9	22.9	61.2	59.6
MW-5C	28 04 02.83	81 05 59.95	19914	24-Nov-03	95.4	73.0	63.0	73.0	32.4	22.4	60.7	58.7
MW-6C	28 04 06.46	81 05 59.22	19917	25-Nov-03	94.6	73.2	63.2	73.2	31.4	21.4	60.2	57.7
MW-7C	28 04 07.13	81 05 54.86	19920	25-Nov-03	94.9	73.3	63.3	73.3	31.6	21.6	60.3	59.3
MW-8C	28 04 06.17	81 05 50.55	19923	5-Dec-03	94.5	73.9	63.9	73.9	30.6	20.6	61.6	59.8
MW-9C	28 04 04.29	81 05 46.53	19926	4-Dec-03	94.5	73.8	63.8	73.8	30.8	20.8	61.4	59.4
MW-10C	28 04 00.01	81 05 44.74	19929	3-Dec-03	96.4	73.7	63.7	73.7	32.7	22.7	61.4	60.0
MW-11C	28 03 55.36	81 05 43.26	19932	2-Dec-03	93.7	73.4	63.4	73.4	30.3	20.3	61.0	59.6
MW-12C	28 03 52.01	81 05 43.26	19935	1-Dec-03	95.1	73.6	63.6	73.6	31.5	21.5	60.2	58.7
MW-13C	28 03 48.60	81 05 43.25	19938	8-Dec-03	95.0	73.0	63.0	73.0	32.1	22.1	60.7	58.2
MW-14C	Monitoring Well Abandoned 10 July 2007											
MW-15C	Monitoring Well Abandoned 10 July 2007											
MW-16C	28 03 44.50	81 05 40.11	22344	21-Sep-07	88.8	67.7	57.2	67.2	31.6	21.6	55.2	54.2
MW-17C	28 03 42.31	81 05 35.31	22347	20-Sep-07	88.9	67.3	56.8	66.8	32.0	22.0	54.8	53.8
MW-18C	28 03 37.10	81 05 35.22	22350	12-Sep-07	87.4	67.2	56.7	66.7	30.8	20.8	54.7	53.7
MW-19C	28 03 33.37	81 05 39.72	22353	10-Sep-07	87.4	66.7	56.2	66.2	31.2	21.2	54.2	53.2
MW-20C	28 03 31.82	81 05 45.57	22356	18-Sep-07	87.4	66.8	56.3	66.3	31.1	21.1	54.3	53.3
MW-21C	28 03 32.10	81 05 52.61	22359	17-Sep-07	87.1	62.6	52.1	62.1	35.1	25.1	50.1	49.1
MW-22C	Monitoring Well Abandoned 11 November 2011											
MW-22RC	28 03 34.629	81 05 59.854	28687	15-Mar-12	95.1	66.6	56.0	66.0	39.1	29.1	50.0	49.0
MW-23C	28 03 42.51	81 05 59.80	22365	24-Sep-07	97.9	67.1	56.6	66.6	41.4	31.4	54.6	53.6

Table 2

SUMMARY OF FINAL FIELD PARAMETER RESULTS AND FIELD DATA
18th SEMI-ANNUAL WATER QUALITY MONITORING EVENT
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Monitoring Well	Temperature (°C)[1]	pH (Standard Units)	Specific Conductance (uS/cm) [2]	Turbidity (NTUs) [3]	Oxidation-Reduction Potential (mV) [4]	Dissolved Oxygen (mg/L) [5]	Purging Method
MW-1A	23.66	4.74	1,795	1.1	-4.5	0.49	Peristaltic Pump
MW-2A	25.69	5.19	253	1.6	-31.2	0.48	Peristaltic Pump
MW-3A	27.71	5.02	389	2.7	-60.7	0.30	Peristaltic Pump
MW-4A	28.12	4.51	413	1.8	-22.2	0.39	Peristaltic Pump
MW-5A	24.60	3.70	743	2.2	137.7	0.40	Peristaltic Pump
MW-6A	24.15	4.94	540	2.4	-64.5	0.37	Peristaltic Pump
MW-7A	21.98	5.06	431	0.5	-63.1	0.47	Peristaltic Pump
MW-8A	25.87	4.17	919	0.8	-37.1	0.30	Peristaltic Pump
MW-9A	27.90	4.45	821	2.2	-28.7	0.39	Peristaltic Pump
MW-10A	25.51	4.84	464	1.5	-34.4	0.33	Peristaltic Pump
MW-11A	26.78	5.24	371	3.4	-52.5	0.17	Peristaltic Pump
MW-12A	24.24	5.13	216	0.6	2.3	0.47	Peristaltic Pump
MW-13A	23.92	5.18	229	1.2	15.3	0.38	Peristaltic Pump
MW-16A	23.28	4.83	54	2.4	24.3	0.33	Peristaltic Pump
MW-19A	22.58	5.98	482	63.0	-46.0	0.40	Peristaltic Pump
MW-20A	24.84	4.80	500	12.4	64.8	1.07	Peristaltic Pump
MW-21A	24.70	4.32	487	2.2	180.8	0.53	Peristaltic Pump
MW-22RA	23.89	5.46	246	0.9	-46.1	0.26	Peristaltic Pump
MW-23A	24.76	5.13	344	13.5	-50.8	0.32	Peristaltic Pump
MW-1B	24.65	5.16	78	1.9	3.4	0.65	Peristaltic Pump
MW-2B	25.89	4.63	57	4.4	7.3	0.50	Peristaltic Pump
MW-3B	28.36	5.02	65	5.0	17.9	1.30	Peristaltic Pump
MW-4B	29.31	4.51	134	1.0	-11.3	0.44	Peristaltic Pump
MW-5B	24.86	4.12	265	0.6	-4.6	0.56	Peristaltic Pump
MW-6B	24.30	4.73	89	0.4	-12.0	0.45	Peristaltic Pump
MW-7B	22.90	4.36	425	0.5	6.1	0.76	Peristaltic Pump
MW-8B	24.66	4.71	174	18.0	-40.6	0.92	Submersible Pump
MW-9B	26.91	4.14	930	0.6	-9.8	0.50	Peristaltic Pump
MW-10B	25.05	4.21	544	1.0	38.1	0.61	Peristaltic Pump
MW-11B	26.52	4.85	201	0.5	-34.4	0.50	Peristaltic Pump
MW-12B	24.90	4.79	122	0.8	28.1	0.28	Peristaltic Pump
MW-13B	24.02	4.65	141	0.8	16.0	0.50	Peristaltic Pump
MW-16B	23.69	4.88	39	36.0	-52.7	0.14	Submersible Pump
MW-19B	23.66	4.85	136	17.0	14.7	0.41	Submersible Pump
MW-20B	24.20	5.03	107	63.5	-23.5	0.23	Submersible Pump
MW-21B	24.49	4.99	112	6.7	-24.8	0.32	Submersible Pump
MW-22RB	23.69	4.78	113	19.2	-49.2	0.23	Submersible Pump
MW-23B	24.70	4.23	441	0.4	77.4	0.54	Peristaltic Pump
MW-16C	23.62	5.05	103	1.4	24.1	0.44	Peristaltic Pump

Notes:

[1] ^{o}C = degrees Celsius

[2] uS/cm = micro Siemens per centimeter

[3] NTU = Nephelometric Turbidity Units

[4] mV = millivolts

[5] mg/L = milligram per liter

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA
18th SEMI-ANNUAL WATER QUALITY MONITORING EVENT
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Well ID	1,4-Dichlorobenzene	Benzene	Chlorobenzene	Ethylbenzene	Total Xylenes	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Mercury	Nickel	Selenium	Sodium	Vanadium	Zinc	Ammonia	Chloride	Nitrate as N	Total Phenols	TDS
	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (mg/L)	GCTL (ug/L)	GCTL (ug/L)	GCTL (mg/L)	GCTL (mg/L)	GCTL (mg/L)	GCTL(µg/L)	GCTL (mg/L)
	75	1	100	700	10,000	10	2,000	4	5	100	420	1,000	300	15	2	100	50	160	49	5,000	2.8	250	10	*	500
MW-1A	2	5.1	0.26 i	0.55 i	2.11	1.4	115	0.04 u	0.10 u	5.9	1.9	0.4 i	7,980	0.17 i	0.02 u	3.4	2.0	201	6.9	6.3	8.38	412	0.03 u	21 iv	1,160
MW-1B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	6.6	0.04 u	0.10 u	0.5 i	0.05 i	0.3 u	200	0.12 u	0.02 u	0.5 u	1.1 u	8.02	0.4 i	1.6 u	0.344	9.85	0.03 u	18 iv	66
MW-2A	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	1.4	12.0	0.04 u	0.10 u	1.8	2.2	0.4 i	22,800	0.19 i	0.02 u	0.6 i	1.1 u	19.7	1.8 i	2.6 i	0.711	25.9	0.03 u	18 iv	145
MW-2B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	8.1	0.04 u	0.10 u	0.2 u	0.2 i	0.3 u	730	0.12 u	0.02 u	0.5 u	1.1 u	5.50	0.3 u	1.6 u	0.094	8.78	0.03 u	18 iv	34
MW-3A	4.6	8.8	1.0	1.4	0.4 i	0.5 i	31.7	0.04 u	0.10 u	0.2 u	1.6	0.5 i	8,140	0.23 i	0.02 u	0.5 u	1.1 u	26.2	2.7	1.6 u	8.75	79.5	0.03 u	22 iv	175
MW-3B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	26.5	0.04 u	0.10 u	1.3	0.2 i	0.3 u	530	2.09	0.02 u	0.5 u	1.1 u	6.51	2.6	1.6 u	0.091 v	9.21	0.15 i	18 iv	48
MW-4A	0.16 u	4	0.16 u	0.21 u	0.31 u	1.7	39.1	0.04 u	0.10 u	0.9 i	0.6 i	0.3 u	2,630	0.12 u	0.02 u	1.4 i	1.1 u	25.0	0.5 i	3.4 i	11.7	73.7	0.03 u	22 iv	160
MW-4B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.7 i	18.3	0.1 i	0.10 u	0.2 i	0.2 i	0.3 u	1,360	0.12 u	0.02 u	0.5 u	1.1 u	9.08	0.3 u	1.6 u	0.285	19.2	0.03 u	19 iv	72
MW-5A	0.16 u	2.0	0.16 u	0.21 u	0.31 u	1.2	34.7	0.04 u	0.10 u	0.8 i	0.9 i	0.3 i	2,380	1.15	0.02 u	1.6 i	1.1 u	27.0	1.5 i	1.6 u	7.79	65.9	0.03 u	23 iv	490
MW-5B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.7 i	77.6	0.39 i	0.10 u	0.2 u	0.7 i	0.3 u	1,740	0.12 u	0.02 u	0.8 i	1.1 u	20.7	1.4 i	1.6 u	0.471	66.4	0.03 u	23 iv	126
MW-6A	0.16 u	3.1	0.16 u	0.26 i	0.31 u	1.9	6.1	0.04 u	0.10 u	0.7 i	0.9 i	0.6 i	40,200	0.32 i	0.02 u	0.6 i	1.1 u	55.1	2.8	1.6 u	4.88	111	0.03 u	15 iv	271
MW-6B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	26.1	0.04 u	0.10 u	0.4 i	0.2 i	0.3 u	1,220	0.12 u	0.02 u	0.5 u	1.1 u	9.08	1.0 i	2.0 i	0.192	17.3	0.03 u	14 iv	58
MW-7A	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	1.3	31.1	0.04 u	0.10 u	0.5 i	2.4	0.3 u	19,800	0.12 u	0.02 u	0.5 u	1.1 u	21.8	2.0	1.6 u	5.15	33.7	0.03 u	22 iv	266
MW-7B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.7 i	210	0.14 i	0.10 u	0.2 u	1.5	0.3 u	8,560	0.12 u	0.02 u	1.2 i	1.1 u	35.0	1.0 i	1.9 i	0.317	64.8	0.03 u	16 iv	247
MW-8A	0.65 i	2.2	0.26 i	0.21 u	0.27 i	0.8 i	39.3	0.36 i	0.10 u	2.5	3.4	0.3 u	10,000	0.12 u	0.02 i	6.6	1.1 u	27.9	6.0	1.7 i	5.59	32.1	0.03 u	69 v	769
MW-8B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	76.9	0.10 i	0.10 u	1.9	0.5 i	0.4 i	3,130	1.11	0.02 u	0.6 i	1.1 u	12.7	3.5	1.6 u	0.211	43.5	0.03 u	32 iv	116
MW-9A	0.26 i	2.3	0.16 u	0.21 u	0.21 i	0.9 i	82.0	0.04 i	0.10 u	1.8	2.6	0.6 i	11,100	0.12 u	0.02 u	5.3	1.1 u	29.7	2.5	3.5 i	21.6	25.8	0.03 u	37 iv	489
MW-9B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.7 i	105	1.04	0.10 u	1.3	7.1	0.3 u	26,600	0.12 u	0.02 u	2.7	1.1 u	53.1	4.5	4.8 i	0.762	37.8	0.03 u	38 iv	681
MW-10A	0.16 u	4.7	0.16 u	0.21 u	2.88	2.2	46.7	0.04 u	0.10 u	1.8	1.0 i	0.3 u	6,070	0.12 u	0.02 u	3.3	1.1 u	17.0	2.9	1.6 u	11.6	19.1	0.03 u	31 iv	286
MW-10B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.8 i	104	0.36 i	0.10 u	0.8 i	4.2	0.3 u	6,650	0.12 u	0.02 u	1.3 i	1.1 u	56.6	1.8 i	1.6 u	1.43	46.8	0.03 u	17 iv	333
MW-11A	0.16 u	8.1	0.16 u	0.98 i	1.04 i	3.6	15.8	0.04 i	0.10 u	3.2	0.3 i	0.3 u	9,320	0.20 i	0.02 u	1.1 i	1.1 u	37.6	3.7	1.6 u	5.67	57.3	0.03 u	38 iv	237
MW-11B	0.16 u	3.7	0.16 u	0.21 u	0.14 i	0.7 i	32.6	0.07 i	0.10 u	1.5	0.2 i	0.3 u	1,030	0.12 u	0.02 u	0.5 u	1.1 u	27.7	2.5	1.6 u	0.086	25.7	0.03 u	32 iv	131
MW-12A	0.16 u	3.8	0.16 u	0.21 u	0.31 u	3.7	16.3	0.06 i	0.10 u	1.7	1.1	0.3 u	27,300	0.12 u	0.02 u	1.4 i	1.1 u	11.4	1.9 i	1.6 u	1.48	20.1	0.03 u	33 iv	149
MW-12B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	38.1	0.05 i	0.10 u	0.7 i	0.2 i	0.3 u	1,390	0.12 u	0.02 u	0.5 u	1.1 u	10.2	1.1 i	1.6 u	0.146	27.1	0.03 u	28 iv	86
MW-13A	0.16 u	3.4	0.16 u	0.21 u	0.52 i	12.9	13.4	0.07 i	0.10 u	3.9	0.2 i	0.3 u	19,800	0.12 u	0.02 u	0.5 u	1.1 u	16.1	4.3	1.6 u	1.47	26.8	0.03 u	36 iv	147
MW-13B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	20.7	0.06 i	0.10 u	0.8 i	0.4 i	0.3 u	1,940	0.12 u	0.02 u	0.5 u	1.1 u	14.6	0.3 u	1.6 u	0.174	33.9	0.03 u	31 iv	94
MW-16A	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.8 i	10.8	0.04 u	0.10 u	1.9	0.2 i	0.3 u	620	0.2 i	0.02 u	0.5 u	1.1 u	2.04	3.4	1.6 u	0.570	2.76	0.03 u	28 iv	44
MW-16B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.6 i	24.9	0.04 u	0.10 u	2.6	0.2 i	0.8 i	1,310	2.11	0.02 u	0.6 i	1.1 u	4.82	2.8	1.6 u	0.123	4.18	0.03 u	26 iv	81
MW-16C	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	13.1	0.04 u	0.10 u	0.4 i	0.03 u	0.3 u	810	0.12 u	0.02 u	0.5 u	1.1 u	12.0	0.5 i	1.6 u	0.125	20.0	0.03 u	31 iv	79
MW-19A	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	5.6	35.8	0.56	0.10 u	28.0	1.4	2.5	6,220	12.0	0.17	4.4	5.6	21.6	28.8	1.6 u	11.8	15.9	0.23	42 iv	760
MW-19B	0.16 u	0.21 u	0.16 u	1.2	0.31 u	0.7 i	30.8	0.04 u	0.10 u	1.4	0.2 i	0.6 i	840	1.30	0.02 u	0.5 u	1.1 u	18.2	1.8 i	1.6 u	0.106	33.9	0.03 u	31 iv	105
MW-20A	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	22.0	0.04 u	0.10 u	0.6 i	0.3 i	0.3 i	250	0.64	0.02 u	1.6 i	1.8 i	3.90	6.5	2.1 i	0.007 u	4.95	0.23	20 iv	368
MW-20B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	58.2	0.17 i	0.10 u	7.0	0.3 i	1.6	1,440	2.83	0.04 i	1.7 i	2.5	15.8	10.0	4.1 i	0.157	24.9	0.03 u	25 iv	131
MW-21A	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	107	0.17 i	0.41	0.7 i	2.0	0.3 u	650	0.72	0.02 u	2.1	1.6 i	9.45	5.5	5.1	0.148	10.3	1.18	19 iv	344
MW-21B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	12.1	0.04 u	0.10 u	0.8 i	0.2 i	0.3 u	1,960	0.38 i	0.02 u	0.5 u	1.1 u	15.5	0.4 i	1.6 u	0.147	26.0	0.03 u	18 iv	86
MW-22RA	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.6 i	7.5	0.04 u	0.10 u	1.6	0.3 i	0.3 u	1,830	0.12 u	0.02 u	0.5 u	1.1 u	27.5	2.6	1.6 u	0.213	38.0	0.03 u	16 iv	158
MW-22RB	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.5 u	53.9	0.18 i	0.10 u	7.7	0.9 i	0.9 i	2,110	4.05	0.02 u	2.6	1.1 u	16.6	9.8	5.0 i	0.122	27.5	0.03 u	18 iv	141
MW-23A	0.16 u	0.41 i	0.16 u	0.21 u	0.31 u	0.5 u	13.7	0.04 u	0.10 u	2.3	0.4 i	0.4 i	1,630	0.42 i	0.02 u	1.1 i	1.1 u	15.4	4.0	1.6 u	4.90	22.0	0.14 i	21 iv	245
MW-23B	0.16 u	0.21 u	0.16 u	0.21 u	0.31 u	0.6 i	103	0.18 i	0.10 u	0.3 i	0.8 i	0.3 u	2,350	0.12 u	0.02 u	0.5 u	1.1 u	54.5	1.5 i	5.5	2.10	56.3	0.15 i	22 iv	258

NOTES: Only parameters with detections above the Method Reporting Limit are shown (with the exception of total phenols, see note below).

i — The Reported Value is between the Laboratory Method Detection Limit (MDL) and the Laboratory Practical Quantitation Limit (PQL).

Detect

Exceeds GCTL

u = indicates that the compound was analyzed for but not detected at or above the value shown

v = indicates that the analyte was detected in both the sample and the associated method blank

* = No criteria specified per 62-777 for Total Phenols.

Table 4

(1 of 3)

GROUNDWATER LEVEL MEASUREMENTS
15th SEMI-ANNUAL WATER QUALITY MONITORING EVENT
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Site Name: JED Solid Waste Management Facility **Sampling Personnel:** Joe Terry

Location: Osceola County, Florida **Field Conditions:** mostly cloudy, 70°F in a.m., 80°F in p.m.

Date: 6-May-2013

Well ID	Time	TOC Elevation	Depth to Water (ft)	Well Depth (ft)	GW Elevation	Field Observations
DP-1	Piezometer Abandoned 3 October 2003					
DP-2	Piezometer Abandoned 3 October 2003					
DP-3	Piezometer Abandoned 16 January 2006					
DP-4	Piezometer Abandoned 16 January 2006					
DP-5	Piezometer Abandoned 10 July 2007					
DP-6	Piezometer Abandoned 10 July 2007					
DP-7	Piezometer Abandoned 10 July 2007					
DP-8	Piezometer Abandoned 10 July 2007					
DP-9	Piezometer Abandoned 10 July 2007					
DP-10	Piezometer Abandoned 10 July 2007					
DP-11	Piezometer Abandoned 10 July 2007					
DP-12	Piezometer Abandoned 10 July 2007					
DP-13	Piezometer Abandoned 11 July 2007					
DP-14	10:05	81.97	5.40	18.62	76.57	
DP-15	10:05	81.98	5.47	53.70	76.51	
DP-16	10:17	82.57	5.18	18.53	77.39	
DP-17	10:17	82.58	5.21	53.75	77.37	
DP-18	12:30	84.38	6.19	52.90	78.19	
DP-19	12:30	84.34	6.09	18.40	78.25	
DP-20	13:15	83.07	5.20	18.35	77.87	
DP-21	13:15	83.00	5.16	53.68	77.84	
DP-22	9:57	81.00	4.33	18.63	76.67	
DP-23	9:57	81.27	4.51	53.73	76.76	
DP-24	10:15	82.22	4.92	18.52	77.30	
SZ-1	Piezometer Abandoned 10 July 2007					
SZ-2	13:15	83.16	6.68	75.39	76.48	
SZ-3	9:57	81.27	5.76	78.85	75.51	
MW-1A	12:10	95.12	18.18	23.19	76.94	
MW-1B	12:10	95.00	18.07	48.11	76.93	
MW-1C	12:10	95.18	18.27	74.63	76.91	
MW-2A	12:03	95.21	18.33	22.89	76.88	
MW-2B	12:03	95.17	18.29	48.31	76.88	
MW-2C	12:03	95.32	18.50	68.59	76.82	
MW-3A	11:55	94.64	17.91	23.02	76.73	
MW-3B	11:55	94.68	17.89	47.89	76.79	
MW-3C	11:55	94.66	17.91	69.02	76.75	

Table 4

(2 of 3)

GROUNDWATER LEVEL MEASUREMENTS
15th SEMI-ANNUAL WATER QUALITY MONITORING EVENT
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Site Name: JED Solid Waste Management Facility **Sampling Personnel:** Joe Terry

Location: Osceola County, Florida **Field Conditions:** mostly cloudy, 70°F in a.m., 80°F in p.m.

Date: 6-May-2013

Well ID	Time	TOC Elevation	Depth to Water (ft)	Well Depth (ft)	GW Elevation	Field Observations
MW-4A	11:45	95.48	18.81	23.33	76.67	
MW-4B	11:45	95.18	18.51	47.69	76.67	
MW-4C	11:45	95.39	18.73	72.73	76.66	
MW-5A	11:40	95.32	18.75	22.76	76.57	
MW-5B	11:40	95.30	18.80	47.36	76.50	
MW-5C	11:40	95.39	18.92	73.32	76.47	
MW-6A	11:35	94.72	18.37	22.88	76.35	
MW-6B	11:35	94.60	18.25	47.73	76.35	
MW-6C	11:35	94.58	18.25	73.28	76.33	
MW-7A	11:30	95.48	18.93	23.58	76.55	
MW-7B	11:30	95.27	18.71	48.18	76.56	
MW-7C	11:30	94.93	18.46	73.55	76.47	
MW-8A	11:22	94.67	18.07	22.76	76.60	
MW-8B	11:22	94.58	17.99	49.50	76.59	
MW-8C	11:22	94.50	18.01	73.99	76.49	
MW-9A	11:16	94.66	18.15	22.63	76.51	
MW-9B	11:16	94.63	18.15	49.33	76.48	
MW-9C	11:16	94.54	18.12	73.99	76.42	
MW-10A	11:10	96.25	19.60	22.43	76.65	
MW-10B	11:10	96.23	19.60	48.48	76.63	
MW-10C	11:10	96.36	19.86	73.83	76.50	
MW-11A	11:00	93.56	17.05	22.89	76.51	
MW-11B	11:00	93.59	17.08	48.03	76.51	
MW-11C	11:00	93.65	17.16	73.78	76.49	
MW-12A	10:55	95.10	18.37	23.27	76.73	
MW-12B	10:55	95.01	18.37	49.19	76.64	
MW-12C	10:55	95.10	18.49	73.79	76.61	
MW-13A	10:45	95.19	18.40	22.79	76.79	
MW-13B	10:45	95.12	18.33	47.46	76.79	
MW-13C	10:45	95.04	18.30	73.26	76.74	
MW-14A	Monitoring Well Abandoned 10 July 2007					
MW-14B	Monitoring Well Abandoned 10 July 2007					
MW-14C	Monitoring Well Abandoned 10 July 2007					
MW-15A	Monitoring Well Abandoned 10 July 2007					
MW-15B	Monitoring Well Abandoned 10 July 2007					
MW-15C	Monitoring Well Abandoned 10 July 2007					

Table 4

(3 of 3)

GROUNDWATER LEVEL MEASUREMENTS
15th SEMI-ANNUAL WATER QUALITY MONITORING EVENT
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Site Name: JED Solid Waste Management Facility **Sampling Personnel:** Joe Terry

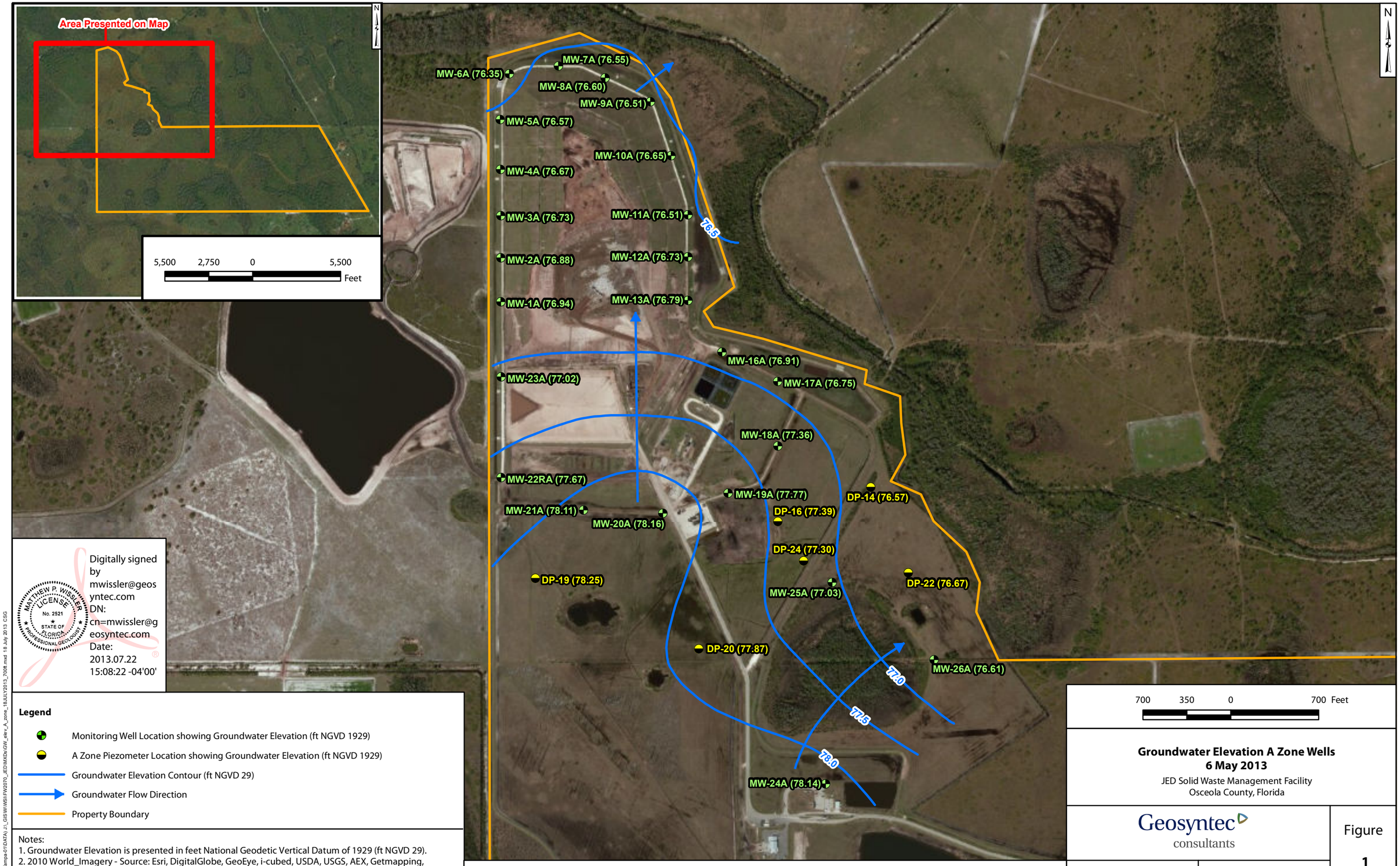
Location: Osceola County, Florida **Field Conditions:** mostly cloudy, 70°F in a.m., 80°F in p.m.

Date: 6-May-2013

Well ID	Time	TOC Elevation	Depth to Water (ft)	Well Depth (ft)	GW Elevation	Field Observations
MW-16A	10:40	88.69	11.78	18.89	76.91	
MW-16B	10:40	88.73	11.84	38.38	76.89	
MW-16C	10:40	88.77	11.95	67.94	76.82	
MW-17A	10:30	88.86	12.11	20.17	76.75	
MW-17B	10:30	88.79	12.09	40.47	76.70	
MW-17C	10:30	88.85	12.21	67.55	76.64	
MW-18A	12:58	87.56	10.20	17.98	77.36	
MW-18B	12:58	87.43	10.12	38.10	77.31	
MW-18C	12:58	87.42	10.15	67.38	77.27	
MW-19A	12:50	87.54	9.77	17.93	77.77	
MW-19B	12:50	87.64	9.87	37.97	77.77	
MW-19C	12:50	87.44	9.82	66.95	77.62	
MW-20A	12:43	87.12	8.96	18.21	78.16	
MW-20B	12:43	87.27	9.20	38.05	78.07	
MW-20C	12:43	87.35	9.46	67.03	77.89	
MW-21A	12:35	87.20	9.09	18.32	78.11	
MW-21B	12:35	87.23	9.15	37.92	78.08	
MW-21C	12:35	87.13	9.11	62.48	78.02	
MW-22A	Monitoring Well Abandoned 11 November 2011					
MW-22B	Monitoring Well Abandoned 11 November 2011					
MW-22C	Monitoring Well Abandoned 11 November 2011					
MW-22RA	12:20	95.00	17.33	23.66	77.67	
MW-22RB	12:20	94.86	17.21	46.13	77.65	
MW-22RC	12:20	95.13	17.47	66.58	77.66	
MW-23A	12:15	97.90	20.88	28.03	77.02	
MW-23B	12:15	97.91	20.88	43.00	77.03	
MW-23C	12:15	97.93	20.91	67.32	77.02	
MW-24A	9:20	86.97	8.83	24.21	78.14	
MW-25A	9:31	82.36	5.33	24.76	77.03	
MW-26A	9:37	82.01	5.40	24.03	76.61	
MW-27C	9:45	81.66	5.67	58.37	75.99	

Notes: Well caps removed site wide and wells allowed to stabilize prior to measurements.

FIGURE



MATTHEW P. WISSLER LICENSE No. 2521 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

Digitally signed by mwissler@geosyntec.com
DN: cn=mwissler@geosyntec.com
Date: 2013.07.22 15:08:22 -04'00'

Legend

- Monitoring Well Location showing Groundwater Elevation (ft NGVD 1929)
- A Zone Piezometer Location showing Groundwater Elevation (ft NGVD 1929)
- Groundwater Elevation Contour (ft NGVD 29)
- Groundwater Flow Direction
- Property Boundary

Notes:
1. Groundwater Elevation is presented in feet National Geodetic Vertical Datum of 1929 (ft NGVD 29).
2. 2010 World_Imagery - Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Groundwater Elevation A Zone Wells
6 May 2013

JED Solid Waste Management Facility
Osceola County, Florida

Geosyntec consultants

Clearwater, FL | July 2013

Figure 1

Path: (Tampa-01\DATA) J:_GIS\WWS\FW2070_JED\MXDs\GW_elev_A_zone_18JULY2013_700ft.mxd 18 July 2013 CSG

APPENDIX A

Water Quality Monitoring Certification
FDEP Form 62-701.900(31)

Florida Department of Environmental Protection

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

DEP Form #: 62-701.900(31), F.A.C.
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name J.E.D. 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) mkaiser@wsii.us

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.

6/25/13
(Date)

Mike Kaiser
(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Waste Services of Florida, Inc.

Analytical Lab NELAC / HRS Certification # E82502

Lab Name Columbia Analytical Services (dba ALS Environmental)

Address 9143 Philips Highway, Suite 200 Jacksonville, Florida 32256

Phone Number (904) 739-2277

Email address (if available) Craig.Myers@ALSGlobal.com

APPENDIX B

Monitoring Well Sampling Logs

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-1A	SAMPLE ID: MW-1A	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 18.27	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (23 feet – 18.27 feet) X 0.16 gallons/foot = 0.8 gallons

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

= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 0625	PURGING ENDED AT: 0730	TOTAL VOLUME PURGED (gallons): 3.25

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)
0720	2.75	2.75	0.05	18.54	4.75	23.63	1793	0.51	0.8	clear	-6.6
0725	0.25	3.0	0.05	18.54	4.74	23.64	1794	0.51	0.8	clear	-5.7
0730	0.25	3.25	0.05	18.54	4.74	23.66	1795	0.49	1.1	clear	-4.5

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0730	SAMPLING ENDED AT: 0742
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-1A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl; NO_3	APP	200
MW-1A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: clear, 70°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-1B	SAMPLE ID: MW-1B	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 37.5 feet to 47.5 feet	STATIC DEPTH TO WATER (feet): 18.14	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 50 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 0625	PURGING ENDED AT: 0700	TOTAL VOLUME PURGED (gallons): 2.1

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)
0645	1.2	1.2	0.06	18.18	5.16	24.67	77	0.69	1.7	clear	9.3
0655	0.6	1.8	0.06	18.18	5.16	24.65	78	0.65	2.1	clear	5.0
0700	0.3	2.1	0.06	18.18	5.16	24.65	78	0.65	1.9	clear	3.4

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0700	SAMPLING ENDED AT: 0710
PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-1B	3	CG	40mL	HCl	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	225
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	225
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	225
MW-1B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	225

REMARKS:
weather: clear, 70°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-2A	SAMPLE ID: MW-2A	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches):0.25	WELL SCREEN INTERVAL DEPTH: 12.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 18.41	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.6 feet – 18.41 feet) X 0.16 gallons/foot = 0.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 1500	PURGING ENDED AT: 1555	TOTAL VOLUME PURGED (gallons): 3.3

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)
1545	2.7	2.7	0.06	18.58	5.19	25.67	253	0.48	1.7	clear	-34.3
1550	0.3	3	0.06	18.59	5.20	25.69	254	0.50	1.9	clear	-32.5
1555	0.3	3.3	0.06	18.58	5.19	25.69	253	0.48	1.6	clear	-31.2

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / WSI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1555	SAMPLING ENDED AT: 1605
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-2A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
↓	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	225
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	225
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	225
MW-2A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	225

REMARKS:
weather: Sunny, 84°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773
WELL NO: MW-2B	SAMPLE ID: MW-2B
DATE: May 8, 2013	

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 39 feet to 48 feet	STATIC DEPTH TO WATER (feet): 18.36	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 50 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 1500	PURGING ENDED AT: 1525	TOTAL VOLUME PURGED (gallons): 1.5

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)
1515	0.9	0.9	0.06	18.40	4.62	25.85	56	0.52	3	clear	14.1
1520	0.3	1.2	0.06	18.40	4.63	25.90	56	0.52	3.7	Clear	9.5
1525	0.3	1.5	0.06	18.40	4.63	25.89	57	0.50	4.4	Clear	7.3

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1525	SAMPLING ENDED AT: 1535
PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-2B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	225
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	225
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	225
MW-2B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	225

REMARKS:
weather: 2.5 mph, 84°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-3A	SAMPLE ID: MW-3A	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 17.95	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 17.95 feet) X 0.16 gallons/foot = 0.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 1335	PURGING ENDED AT: 1430	TOTAL VOLUME PURGED (gallons): 3.3

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)
1420	2.7	2.7	0.06	18.06	5.02	27.69	390	0.35	2.4	clear	-58.9
1425	0.3	3	0.06	18.06	5.02	27.70	388	0.32	2.8	clear	-60.8
1430	0.3	3.3	0.06	18.06	5.02	27.71	389	0.30	2.7	clear	-60.7

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1430	SAMPLING ENDED AT: 1440
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-3A	3	CG	40mL	HCl	Prefilled by lab		8260	RFPP	<100
↓	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	225
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	225
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	225
MW-3A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	225

REMARKS:
weather: M.Sunny, 80°F
odor: None

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-3B	SAMPLE ID: MW-3B	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 37.5 feet to 47.5 feet	STATIC DEPTH TO WATER (feet): 17.93	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 50 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 1335	PURGING ENDED AT: 1405	TOTAL VOLUME PURGED (gallons): 1.8

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)
1355	1.2	1.2	0.06	17.99	5.03	28.38	65	1.42	4.3	Clear	25.7
1400	0.3	1.5	0.06	17.99	5.02	28.36	65	1.47	5.3	Clear	22.0
1405	0.3	1.8	0.06	17.99	5.02	28.36	65	1.30	5.0	Clear	17.9

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1405	SAMPLING ENDED AT: 1412
PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-3B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	225
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	225
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	225
MW-3B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	225

REMARKS:
weather: Msunny, 80°F

odor: None

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-4A	SAMPLE ID: MW-4A	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches):0.25	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 18.90	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (23.1 feet – 18.9 feet) X 0.16 gallons/foot = 0.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 1150	PURGING ENDED AT: 1220	TOTAL VOLUME PURGED (gallons): 1.8

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)
1210	1.2	1.2	0.06	19.03	4.50	28.17	425	0.43	1.9	clear	-10.3
1215	0.3	1.5	0.06	19.03	4.53	28.15	416	0.41	2	clear	-26.3
1220	0.3	1.8	0.06	19.03	4.51	28.12	413	0.39	1.8	clear	-22.2

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1235	SAMPLING ENDED AT: 1235
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-4A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
↓	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	225
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	225
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	225
MW-4A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	225

REMARKS:
weather: Sunny, 78°F

odor: None

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-4B	SAMPLE ID: MW-4B	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 37 feet to 47 feet	STATIC DEPTH TO WATER (feet): 18.58	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 55 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 1150	PURGING ENDED AT: 1300	TOTAL VOLUME PURGED (gallons): 4.2

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)
1250	3.6	3.6	0.06	18.81	4.50	29.28	134	0.43	0.8	Clear	-4.1
1255	0.3	3.9	0.06	18.81	4.51	29.30	133	0.46	1.2	Clear	-10.2
1300	0.3	4.2	0.06	18.81	4.51	29.31	134	0.44	1.0	Clear	-11.3

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1310
PUMP OR TUBING DEPTH IN WELL (feet): 42	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)		DUPLICATE or EQUIPMENT BLANK: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-4B	3	CG	40mL	HCl	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	225
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	225
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	225
MW-4B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	225

REMARKS: DI
weather: ~~clear~~ 78°F, mostly
odor: none

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-5A	SAMPLE ID: MW-5A	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 19.85	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 18.85 feet) X 0.16 gallons/foot = 0.6 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1105	TOTAL VOLUME PURGED (gallons): 3.25

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)
1055	2.75	2.75	0.05	19.68	3.70	24.59	740	0.4	2	clear	134.9
1100	0.25	3.0	0.05	19.68	3.70	24.56	743	0.41	2.3	clear	136.7
1105	0.25	3.25	0.05	19.68	3.70	24.60	743	0.4	2.2	clear	137.7

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1105	SAMPLING ENDED AT: 1118
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-5A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-5A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: M. sunny, 73°F Checked pH w/litmus paper range 3.5-4 s.u.

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-5B	SAMPLE ID: MW-5B	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 37 feet to 47 feet	STATIC DEPTH TO WATER (feet): 18.98	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 50 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1035	TOTAL VOLUME PURGED (gallons): 2.1

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)
1020	1.2	1.2	0.06	18.99	4.16	24.86	258	0.65	0.7	clear	7.9
1025	0.3	1.5	0.06	18.99	4.12	24.84	264	0.57	0.6	clear	-2.8
1030	0.3	1.8	0.06	18.99	4.12	24.87	265	0.56	0.6	clear	-4.1
1035	0.3	2.1	0.06	18.99	4.12	24.86	265	0.56	0.6	clear	-4.6

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1035	SAMPLING ENDED AT: 1045
PUMP OR TUBING DEPTH IN WELL (feet): 42	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-5B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	225
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	225
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	225
MW-5B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	225

REMARKS:
weather: sunny, 73°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-64	SAMPLE ID: MW-64	DATE: May 6, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 18.54	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.6 feet – 18.54 feet) X 0.16 gallons/foot = 0.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 0830	PURGING ENDED AT: 0925	TOTAL VOLUME PURGED (gallons): 2.75

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)
0915	2.25	2.25	0.05	18.68	4.93	24.13	538	0.45	2.2	clear	-53.3
0920	0.25	2.5	0.05	18.65	4.94	24.17	540	0.38	2.5	clear	-64.1
0925	0.25	2.75	0.05	18.68	4.94	24.15	540	0.37	2.4	clear	-64.5

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0925	SAMPLING ENDED AT: 0938
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-64	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-64	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: clear, 68°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-6B	SAMPLE ID: MW-6B	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 37 feet to 47 feet	STATIC DEPTH TO WATER (feet): 18.34	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 50 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 0830	PURGING ENDED AT: 0855	TOTAL VOLUME PURGED (gallons): 1.9

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)
0845	1.1	1.1	0.07	18.63	4.73	24.23	88	0.67	0.3	Clear	-0.3
0850	0.4	1.5	0.07	18.63	4.74	24.31	89	0.51	0.6	Clear	-10.5
0855	0.4	1.9	0.07	18.63	4.73	24.30	89	0.45	0.4	Clear	-12.0

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 / WSI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0855	SAMPLING ENDED AT: 0905
PUMP OR TUBING DEPTH IN WELL (feet): 42	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-6B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	250
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	250
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	250
MW-6B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	250

REMARKS:
weather: Clear, 68°F
odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-7A	SAMPLE ID: MW-7A	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 19.04	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (23.3 feet – 19.04 feet) X 0.16 gallons/foot = 0.7 gallons

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

= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 0635	PURGING ENDED AT: 0735	TOTAL VOLUME PURGED (gallons): 3

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)
0725	2.5	2.5	0.05	19.18	5.06	22.01	430	0.49	0.4	clear	-58.5
0730	0.25	2.75	0.05	19.18	5.06	22.01	431	0.47	0.6	clear	-62.7
0735	0.25	3.0	0.05	19.18	5.06	21.98	431	0.47	0.5	clear	-63.1

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0735	SAMPLING ENDED AT: 0747
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-7A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-7A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Clear, 65°F
odor: none

Equipment Blank collected w/ lab supplied DI water through new tubing. ID: Equipment Blank-1 time: 0800

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

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

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

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

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

Revision Date: February 12, 2009

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-7B	SAMPLE ID: MW-7B	DATE: May 8, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 37.5 feet to 47.5 feet	STATIC DEPTH TO WATER (feet): 18.90	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 50 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 0635	PURGING ENDED AT: 0700	TOTAL VOLUME PURGED (gallons): 1.9

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)
0650	1.1	1.1	0.07	19.10	4.36	22.87	423	0.82	0.4	clear	10.2
0655	0.4	1.5	0.07	19.10	4.36	22.92	425	0.79	0.4	clear	7.0
0700	0.4	1.9	0.07	19.10	4.36	22.90	425	0.76	0.5	clear	6.1

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 / WSI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0700	SAMPLING ENDED AT: 0710
PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-7B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	250
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	250
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	250
MW-7B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	250

REMARKS:
weather: Clear, 65°F
odor: Sulfur-like

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

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

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

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

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

Revision Date: February 12, 2009

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-8A	SAMPLE ID: MW-8A	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 18.07	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 18.07 feet) X 0.16 gallons/foot = 0.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 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: 1445	PURGING ENDED AT: 1540	TOTAL VOLUME PURGED (gallons): 2.75

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)
1530	2.25	2.25	0.05	18.85	4.17	25.90	915	0.29	1.0	clear	-36.5
1535	0.25	2.5	0.05	18.85	4.17	25.88	918	0.30	0.9	clear	-36.4
1540	0.25	2.75	0.05	18.85	4.17	25.87	919	0.30	0.8	clear	-37.1

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1545	SAMPLING ENDED AT: 1555
PUMP OR TUBING DEPTH IN WELL (feet): 20	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-8A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-8A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Sunny, 82°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-8B	SAMPLE ID: MW-8B	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 39.5 feet to 49.5 feet	STATIC DEPTH TO WATER (feet): 17.98	PURGE PUMP TYPE OR BAILER: electric submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.006 gallons/foot X 60 feet) + 0.12 gallons = 0.5 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 45	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 45	PURGING INITIATED AT: 1440	PURGING ENDED AT: 1510	TOTAL VOLUME PURGED (gallons): 12

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)
1500	8	8	0.4	22.18	4.70	24.67	175	1.92	24	clear	-7.9
1505	2	10	0.4	22.18	4.71	24.69	174	1.35	18.2	clear	-31.3
1510	2	12	0.4	22.18	4.71	24.66	174	0.92	18	clear	-40.6

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1510	SAMPLING ENDED AT: 1518
PUMP OR TUBING DEPTH IN WELL (feet): 45	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP: Yes	TUBING: No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-8B	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100
	3	CG	40mL	None	None		8011	ESP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	ESP	400
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	ESP	400
	1	PE	250mL	None	None		TDS, Cl, NO_3	ESP	400
MW-8B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	ESP	400

REMARKS:
weather: M. Sunny, 82°F
odor: none
Initial turbidity: 16.4 NTU

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

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-9A	SAMPLE ID: MW-9A	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12 feet to 22 feet	STATIC DEPTH TO WATER (feet): 18.24	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.4 feet – 18.24 feet) X 0.16 gallons/foot = 0.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 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: 1310	PURGING ENDED AT: 1410	TOTAL VOLUME PURGED (gallons): 3

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)
1400	2.5	2.5	0.05	18.45	4.46	27.84	820	0.4	2.1	clear	-27.0
1405	0.25	2.75	0.05	18.45	4.46	27.89	820	0.39	2.1	clear	-27.5
1410	0.25	3.0	0.05	18.45	4.45	27.90	821	0.39	2.2	clear	-28.7

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1410	SAMPLING ENDED AT: 1425
PUMP OR TUBING DEPTH IN WELL (feet): 20	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-9A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-9A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Mostly, 90°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-9B	SAMPLE ID: MW-9B	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 39 feet to 49 feet	STATIC DEPTH TO WATER (feet): 18.20	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 50 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 44	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 44	PURGING INITIATED AT: 1310	PURGING ENDED AT: 1345	TOTAL VOLUME PURGED (gallons): 2.45

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)
1335	1.75	1.75	0.07	18.60	4.16	26.92	926	0.91	0.7	Clear	-2.7
1340	0.35	2.1	0.07	18.60	4.16	26.90	932	0.56	1.2	Clear	-12.0
1345	0.35	2.45	0.07	18.60	4.14	26.91	930	0.5	0.6	Clear	-9.8

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1345	SAMPLING ENDED AT: 1355
PUMP OR TUBING DEPTH IN WELL (feet): 44	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-9B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
"	3	CG	40mL	None	None		8011	RFPP	<100
"	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	250
"	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	250
"	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	250
MW-9B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	250

REMARKS:
weather: sunny, 80°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-10A	SAMPLE ID: MW-10A	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12 feet to 22 feet	STATIC DEPTH TO WATER (feet): 19.70	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22 feet – 19.7 feet) X 0.16 gallons/foot = 0.4 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1235	TOTAL VOLUME PURGED (gallons): 3.75

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)
1225	3.25	3.25	0.05	19.96	4.84	25.44	461	0.35	1.5	clear	-34.2
1230	0.25	3.5	0.05	19.96	4.85	25.50	464	0.33	1.6	clear	-35.0
1235	0.25	3.75	0.05	19.96	4.84	25.57	464	0.33	1.5	clear	-34.4

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1235	SAMPLING ENDED AT: 1248
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-10A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-10A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: mostly, 75°F
odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-10B	SAMPLE ID: MW-10B	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches):0.25	WELL SCREEN INTERVAL DEPTH: 38 feet to 48 feet	STATIC DEPTH TO WATER (feet): 19.69	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 55 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1200	TOTAL VOLUME PURGED (gallons): 3.6

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)
1150	2.7	2.7	0.09	19.77	4.19	25.09	543	0.73	1.0	clear	44.6
1155	0.45	3.15	0.09	19.77	4.21	25.00	543	0.66	0.9	clear	39.8
1200	0.45	3.6	0.09	19.77	4.21	25.05	544	0.61	1.0	clear	38.1

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1205	SAMPLING ENDED AT: 1215
PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-10B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
↓	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	350
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	350
↓	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	350
MW-10B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	350

REMARKS:
weather: A. Sunny, 75°F

odor: none

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-11A	SAMPLE ID: MW-11A	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 17.14	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.8 feet – 17.14 feet) X 0.16 gallons/foot = 0.9 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 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: 0950	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 2.75

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)
1035	2.75	2.75	0.05	18.08	5.27	26.77	371	0.19	3.4	clear	-61.6
1040	0.25	2.5	0.05	18.08	5.20	26.80	371	0.18	3.3	clear	-52.2
1045	0.25	2.75	0.05	18.08	5.24	26.78	371	0.17	3.4	clear	-52.5

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1045	SAMPLING ENDED AT: 1100
PUMP OR TUBING DEPTH IN WELL (feet): 20	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-11A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-11A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Clear, 75°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-11B	SAMPLE ID: MW-11B	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 37.5 feet to 47.5 feet	STATIC DEPTH TO WATER (feet): 7.17	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 55 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1015	TOTAL VOLUME PURGED (gallons): 1.25

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)
1005	0.75	0.75	0.05	17.27	4.86	26.57	198	0.38	0.3	clear	-26.6
1010	0.25	1	0.05	17.27	4.86	26.51	200	0.38	0.5	clear	-33.6
1015	0.25	1.25	0.05	17.27	4.85	26.52	201	0.36	0.5	clear	-34.4

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1015	SAMPLING ENDED AT: 1025
PUMP OR TUBING DEPTH IN WELL (feet): 43	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-11B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-11B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Clear, 75°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-12A	SAMPLE ID: MW-12A	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 18.48	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (23 feet – 18.48 feet) X 0.16 gallons/foot = 0.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 0815	PURGING ENDED AT: 0845	TOTAL VOLUME PURGED (gallons): 1.5

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)
0830	0.75	0.75	0.05	18.76	5.09	24.23	208	0.52	0.4	clear	14.9
0835	0.25	1.0	0.05	18.76	5.12	24.25	212	0.48	0.4	clear	10.4
0840	0.25	1.25	0.05	18.76	5.15	24.26	215	0.48	0.5	clear	5.1
0845	0.25	1.5	0.05	18.76	5.13	24.24	216	0.47	0.6	clear	2.3

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0845	SAMPLING ENDED AT: 0855
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-12A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
↓	3	CG	40mL	None	None		8011	RFPP	<100
↓	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
↓	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
↓	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-12A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: clear, 64°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-12B	SAMPLE ID: MW-12B	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 39 feet to 49 feet	STATIC DEPTH TO WATER (feet): 18.46	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 55 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 44	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 44	PURGING INITIATED AT: 0815	PURGING ENDED AT: 0910	TOTAL VOLUME PURGED (gallons): 2.75

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)
0900	2.75	2.75	0.05	18.59	4.79	24.87	122	0.3	1.1	clear	24.7
0905	0.25	2.5	0.05	18.59	4.79	24.86	123	0.3	0.7	clear	25.3
0910	0.25	2.75	0.05	18.59	4.79	24.90	122	0.28	0.8	clear	28.1

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0910	SAMPLING ENDED AT: 0920
PUMP OR TUBING DEPTH IN WELL (feet): 44	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-12B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-12B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Clear, 64°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-13A	SAMPLE ID: MW-13A	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 18.46	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 18.46 feet) X 0.16 gallons/foot = 0.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 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: 0635	PURGING ENDED AT: 0740	TOTAL VOLUME PURGED (gallons): 3.25

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)
0730	2.75	2.75	0.05	18.61	5.19	23.84	234	0.39	2	clear	21.5
0735	0.25	3.0	0.05	18.61	5.18	23.90	228	0.36	1.2	clear	14.8
0740	0.25	3.25	0.05	18.61	5.18	23.92	229	0.38	1.2	clear	15.3

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 / WSI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0745	SAMPLING ENDED AT: 0755
PUMP OR TUBING DEPTH IN WELL (feet): 20	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING (No) (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-13A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-13A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Clear, 60°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-13B	SAMPLE ID: MW-13B	DATE: May 7, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 37 feet to 47 feet	STATIC DEPTH TO WATER (feet): 18.40	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 55 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 0635	PURGING ENDED AT: 0705	TOTAL VOLUME PURGED (gallons): 2.2

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)
0655	1.4	1.4	0.07	18.46	4.63	23.97	139	0.56	0.5	clear	21.1
0700	0.4	1.8	0.07	18.46	4.63	24.00	140	0.52	0.6	clear	16.6
0705	0.4	2.2	0.07	18.46	4.65	24.02	141	0.50	0.8	clear	16.0

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0710	SAMPLING ENDED AT: 0720
PUMP OR TUBING DEPTH IN WELL (feet): 42	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-13B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	250
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	250
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	250
MW-13B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	250

REMARKS:
weather: clear, 60°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-16A	SAMPLE ID: MW-16A	DATE: May 13, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 8 feet to 18 feet	STATIC DEPTH TO WATER (feet): 12.34	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (18.1 feet – 12.34 feet) X 0.16 gallons/foot = 0.9 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 16	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 16	PURGING INITIATED AT: 0940	PURGING ENDED AT: 1040	TOTAL VOLUME PURGED (gallons): 6.7

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)
1030	5.5	5.5	0.11	12.82	4.88	23.30	541	0.34	2.9	clear	-18.6
1035	0.6	6.1	0.11	12.82	4.79	23.28	54	0.34	3	clear	18.4
1040	0.6	6.7	0.11	12.82	4.83	23.28	54	0.33	2.4	clear	24.3

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 / WSI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1050
PUMP OR TUBING DEPTH IN WELL (feet): 16	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-16A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	400
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	400
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	400
MW-16A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	400

REMARKS:
weather: overcast, 70°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-16B	SAMPLE ID: MW-16B	DATE: May 13, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 27.5 feet to 37.5 feet	STATIC DEPTH TO WATER (feet): 12.40	PURGE PUMP TYPE OR BAILER: electric submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (37.5 feet – 12.40 feet) X 0.16 gallons/foot = 4 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.006 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 33	PURGING INITIATED AT: 0935	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 47.5

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)
1100	42.5	42.5	0.5	13.02	4.87	23.72	39	0.16	36	clear	-38.8
1105	2.5	45	0.5	13.02	4.88	23.68	39	0.13	35.6	clear	-52.3
1110	2.5	47.5	0.5	13.02	4.88	23.69	39	0.14	36	clear	-52.7

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 33	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP: Yes	TUBING: No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-16B	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100
	3	CG	40mL	None	None		8011	ESP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	ESP	450
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	ESP	450
	1	PE	250mL	None	None		TDS, Cl, NO_3	ESP	450
MW-16B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	ESP	450

REMARKS:
weather: overcast, 70°F
odor: none
initial turbidity: 228 NTU

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

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

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

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

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

Revision Date: February 12, 2009

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-16C	SAMPLE ID: MW-16C	DATE: May 13, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 57 feet to 67 feet	STATIC DEPTH TO WATER (feet): 12.51	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X 70 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 62	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 62	PURGING INITIATED AT: 0945	PURGING ENDED AT: 1015	TOTAL VOLUME PURGED (gallons): 2.4

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)
1005	1.6	1.6	0.08	12.81	5.05	23.61	102	0.5	2.3	clear	26.8
1010	0.4	2.0	0.08	12.81	5.04	23.60	103	0.45	1.5	clear	28.9
1015	0.4	2.4	0.08	12.81	5.05	23.62	103	0.44	1.4	clear	24.1

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1015	SAMPLING ENDED AT: 1025
PUMP OR TUBING DEPTH IN WELL (feet): 62	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-16C	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	300
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	300
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	300
MW-16C	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	300

REMARKS:
weather: overcast, 70°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773
WELL NO: MW-19A	SAMPLE ID: MW-19A
DATE: May 13, 2013	

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 10.49	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.2 feet – 10.49 feet) X 0.16 gallons/foot = 1.1 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14	PURGING INITIATED AT: 0745	PURGING ENDED AT: 0855	TOTAL VOLUME PURGED (gallons): 8.4

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)
0805	2.4	2.4	0.12	11.20	6.08	22.60	461	0.74	67	brown	-2.1
0847	5	7.4	0.12	11.18	5.98	22.58	481	0.41	62	" "	-46.5
0850	0.4	7.8	0.12	11.18	5.98	22.56	482	0.41	62	" "	-45.5
0855	0.6	8.4	0.12	11.18	5.98	22.58	482	0.40	63	" "	-46.0

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0855	SAMPLING ENDED AT: 0905
PUMP OR TUBING DEPTH IN WELL (feet): 14	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-19A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	450
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	450
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	450
MW-19A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	450

REMARKS:
weather: overcast, 70°F
odor: none initial turbidity: 72 NTU color: brown

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

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

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

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

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

Revision Date: February 12, 2009

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-19B	SAMPLE ID: MW-19B	DATE: May 13 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 27 feet to 37 feet	STATIC DEPTH TO WATER (feet): 10.54	PURGE PUMP TYPE OR BAILER: electric submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.006 gallons/foot X 4.5 feet) + 0.12 gallons = 0.4 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32	PURGING INITIATED AT: 0740	PURGING ENDED AT: 0830	TOTAL VOLUME PURGED (gallons): 25

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)
0820	20	20	0.5	11.20	4.85	23.66	135	0.42	22	clear	14.7
0825	2.5	22.5	0.5	11.20	4.84	23.66	136	0.42	18	clear	15.1
0830	2.5	25	0.5	11.20	4.85	23.66	136	0.41	17	clear	14.7

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0830	SAMPLING ENDED AT: 0835
PUMP OR TUBING DEPTH IN WELL (feet): 32	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP: Yes	TUBING: No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-19B	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100
	3	CG	40mL	None	None		8011	ESP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	ESP	400
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	ESP	400
	1	PE	250mL	None	None		TDS, Cl, NO_3	ESP	400
MW-19B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	ESP	400

REMARKS:
weather: Overcast, 70°F
odor: none initial turbidity: 73 NTU color: light brown

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Revision Date: February 12, 2009

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-20A	SAMPLE ID: MW-20A	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 9.35	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.4 feet – 9.35 feet) X 0.16 gallons/foot = 1.3 gallons

EQUIPMENT VOLUME PURGE: **1 EQUIPMENT VOL.** = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X ~~0~~ 5-9-13 feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: ~~1250~~ 1300	PURGING ENDED AT: 1330	TOTAL VOLUME PURGED (gallons): 2.4

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)
1320	1.6	1.6	0.08	10.02	4.81	24.86	502	1.26	17.6	clear	63.0
1325	0.4	2	0.08	10.02	4.80	24.80	500	1.10	13.2	clear	67.2
1330	0.4	2.4	0.08	10.02	4.80	24.84	500	1.07	12.4	clear	64.8

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1330	SAMPLING ENDED AT: 1340
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-20A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	300
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	300
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	300
MW-20A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	300

REMARKS:
weather: Clear, 86°F Initial turbidity: 44.3
odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-203	SAMPLE ID: MW-203	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 27 feet to 37 feet	STATIC DEPTH TO WATER (feet): 9.58	PURGE PUMP TYPE OR BAILER: electric submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (37 feet – 9.58 feet) X 0.16 gallons/foot = 4.4 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.006 gallons/foot X 9.58 feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32	PURGING INITIATED AT: 1300 1250	PURGING ENDED AT: 1400	TOTAL VOLUME PURGED (gallons): 24

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)
1350	20	20	0.4	9.88	5.01	24.21	108	0.25	63	light brown	-18.4
1355	2	22	0.4	9.88	5.03	24.19	108	0.25	62.6	" "	-21.5
1400	2	24	0.4	9.88	5.03	24.20	107	0.23	63.5	" "	-23.5

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1400	SAMPLING ENDED AT: 1408
PUMP OR TUBING DEPTH IN WELL (feet): 32	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP: Yes	TUBING: No (replaced)	DUPLICATE or EQUIPMENT BLANK: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-203	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100
	3	CG	40mL	None	None		8011	ESP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	ESP	400
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	ESP	400
	1	PE	250mL	None	None		TDS, Cl, NO_3	ESP	400
MW-203	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	ESP	400

REMARKS:
weather: Clear, 86°F Initial turbidity: 62 NTU Collected Equipment Blank-2 time 1440
odor: none Turbidity >20 NTU - purged 5 well vol and turbidity is stable

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

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

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

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

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

Revision Date: February 12, 2009

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-21A	SAMPLE ID: MW-21A	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 7.5 feet to 17.5 feet	STATIC DEPTH TO WATER (feet): 9.40	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.5 feet – 9.40 feet) X 0.16 gallons/foot = 1.3 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14	PURGING INITIATED AT: 1105	PURGING ENDED AT: 1215	TOTAL VOLUME PURGED (gallons): 6.3

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)
1205	5.4	5.4	0.09	9.92	4.34	24.66	486	0.54	2.5	clear	173.5
1210	0.45	5.85	0.09	9.92	4.32	24.69	487	0.53	2.3	clear	179.0
1215	0.45	6.3	0.09	9.92	4.32	24.70	487	0.53	2.2	clear	180.8

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1215	SAMPLING ENDED AT: 1225
PUMP OR TUBING DEPTH IN WELL (feet): 14	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-21A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	350
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	350
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	350
MW-21A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	350

REMARKS:
weather: Clear, 82°F
odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-21B	SAMPLE ID: MW-21B	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 27 feet to 37 feet	STATIC DEPTH TO WATER (feet): 9.45	PURGE PUMP TYPE OR BAILER: electric submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.006 gallons/foot X 40 feet) + 0.12 gallons = 0.4 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32	PURGING INITIATED AT: 1105	PURGING ENDED AT: 1150	TOTAL VOLUME PURGED (gallons): 5.4

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	4.2	4.2	0.12	9.53	4.97	24.47	112	0.46	6.8	clear	-20.0
1145	0.6	4.8	0.12	9.53	4.99	24.50	112	0.33	6.7	clear	-21.7
1150	0.6	5.4	0.12	9.53	4.99	24.49	112	0.32	6.7	clear	-24.8

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 / WSI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1150	SAMPLING ENDED AT: 1157
PUMP OR TUBING DEPTH IN WELL (feet): 32	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP: Yes	TUBING: No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-21B	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100
	3	CG	40mL	None	None		8011	ESP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	ESP	450
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	ESP	450
	1	PE	250mL	None	None		TDS, Cl, NO_3	ESP	450
MW-21B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	ESP	450

REMARKS:
weather: clear, 82°F Initial turbidity: 13 NTU
odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-22RA	SAMPLE ID: MW-22RA	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches):0.25	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 17.57	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (23.66 feet – 17.57 feet) X 0.16 gallons/foot = 1.0 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21	PURGING INITIATED AT: 0940	PURGING ENDED AT: 1030	TOTAL VOLUME PURGED (gallons): 2.5

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)
1020	2	2	0.05	17.70	5.46	23.87	246	0.26	0.7	clear	-45.7
1025	0.25	2.25	0.05	17.70	5.46	23.85	246	0.27	0.9	clear	-47.4
1030	0.25	2.5	0.05	17.70	5.46	23.89	246	0.26	0.9	clear	-46.1

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1030	SAMPLING ENDED AT: 1040
PUMP OR TUBING DEPTH IN WELL (feet): 21	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-22RA	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-22RA	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Clear, 70°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-22RB	SAMPLE ID: MW-22RB	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 36 feet to 46 feet	STATIC DEPTH TO WATER (feet): 17.36	PURGE PUMP TYPE OR BAILER: electric submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.006 gallons/foot X 50 feet) + 0.12 gallons = 0.4 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 41	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 41	PURGING INITIATED AT: 0930	PURGING ENDED AT: 1005	TOTAL VOLUME PURGED (gallons): 73.5

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)
0940	56	56	0.7	17.70	4.76	23.67	113	0.45	44	light brown	-25.2
0955	10.5	66.5	0.7	17.70	4.78	23.70	113	0.24	26	clear	-47.0
1005	7	73.5	0.7	17.70	4.78	23.69	113	0.23	19.2	clear	-49.2

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joe Terry / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 1005	SAMPLING ENDED AT: 1013
PUMP OR TUBING DEPTH IN WELL (feet): 41	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP: Yes	TUBING: No (replaced)		DUPLICATE or EQUIPMENT BLANK: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-22RB	3	CG	40mL	HCL	Prefilled by lab		8260	ESP	<100
	3	CG	40mL	None	None		8011	ESP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	ESP	400
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	ESP	400
	1	PE	250mL	None	None		TDS, Cl, NO_3	ESP	400
MW-22RB	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	ESP	400

REMARKS:
weather: clear, 70°F Initial turbidity: 16.15 NTU
odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-23A	SAMPLE ID: MW-23A	DATE: May 9, 2013

PURGING DATA

DT 5-9-13

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 17 feet to 27 feet	STATIC DEPTH TO WATER (feet): 20.96 / 15.96	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (27 feet – 20.96 feet) X 0.16 gallons/foot = 1.0 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.0 gallons + (0.0026 gallons/foot X feet) + 0.12 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24	PURGING INITIATED AT: 0805	PURGING ENDED AT: 0915	TOTAL VOLUME PURGED (gallons): 3.5

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)
0905	3	3	0.05	21.27	5.13	24.74	344	0.36	13.3	clear	-49.4
0910	0.25	3.25	0.05	21.27	5.13	24.80	345	0.33	13.3	clear	-50.7
0915	0.25	3.5	0.05	21.27	5.13	24.76	344	0.32	13.5	clear	-50.8

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 / WSI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0915	SAMPLING ENDED AT: 0925
PUMP OR TUBING DEPTH IN WELL (feet): 24	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-23A	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-23A	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: clear, 70°F
odor: none

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

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

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: J.E.D. SWMF (WACs Facility ID: 89544)	SITE LOCATION: 1501 Omni Way, St. Cloud, Osceola County, Florida, 34773	
WELL NO: MW-23B	SAMPLE ID: MW-23B	DATE: May 9, 2013

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 32 feet to 42 feet	STATIC DEPTH TO WATER (feet): 20.94	PURGE PUMP TYPE OR BAILER: peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (feet – feet) X 0.16 gallons/foot = gallons

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

= 0.0 gallons + (0.0026 gallons/foot X 50 feet) + 0.12 gallons = 0.3 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 37	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37	PURGING INITIATED AT: 0805	PURGING ENDED AT: 0845	TOTAL VOLUME PURGED (gallons): 2

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)
0835	1.5	1.5	0.05	20.95	4.24	24.66	4411	0.78	0.5	clear	74.6
0840	0.25	1.75	0.05	20.95	4.23	24.69	4411	0.62	0.5	clear	77.3
0845	0.25	2.0	0.05	20.95	4.23	24.70	4411	0.54	0.4	clear	77.4

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 / WSI	SAMPLER(S) SIGNATURE(S): Joe Terry	SAMPLING INITIATED AT: 0845	SAMPLING ENDED AT: 0858
PUMP OR TUBING DEPTH IN WELL (feet): 37	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP No	TUBING No (replaced)	DUPLICATE or EQUIPMENT BLANK: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-23B	3	CG	40mL	HCL	Prefilled by lab		8260	RFPP	<100
	3	CG	40mL	None	None		8011	RFPP	<100
	1	PE	500mL	HNO_3	Prefilled by lab		Metals	APP	200
	1	PE	125mL	H_2SO_4	Prefilled by lab		NH_3	APP	200
	1	PE	250mL	None	None		TDS, Cl, NO_3	APP	200
MW-23B	1	AG	250mL	H_2SO_4	Prefilled by lab		Total Phenols	APP	200

REMARKS:
weather: Clear, 70°F

odor: none

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

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

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

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

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

Revision Date: February 12, 2009

APPENDIX C

Field Instrument Calibration Logs

Field Instrument Calibration Record

Site: JED SWDF Date: May 6, 2013

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						
C252301	April 2014	pH = 4.00	4.05	0.05	0.2	Y	C	JT
C251987	March 2014	pH = 7.00	7.04	0.04	0.2	Y	C	JT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C256861	Jan. 2014	Turbidity = 10 NTU	10.17	1.7	10%	Y	C	JT
		Conductivity = 84 µS/cm	85	1.2	5%	Y	C	JT
C250309	Jan. 20, 2014	Conductivity = 500 µS/cm	499	0.2	5%	Y	C	JT
C256773	Nov. 2013	Conductivity = 1,000 µS/cm	990	1.0	5%	Y	C	JT
	Per Table →	D.O. = 7.94 mg/L @ 27.2 °C	7.88	0.06	0.2 mg/l	Y	C	JT

Date: May 7, 2013 Time: 1845

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						
C252301	April 2014	pH = 4.00	4.01	0.01	0.2	Y	C	JT
C251987	March 2014	pH = 7.00	7.04	0.04	0.2	Y	C	JT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C256861	Jan.2014	Turbidity = 10 NTU	9.95	0.5	10%	Y	C	JT
		Conductivity = 84 µS/cm	86	2.4	5%	Y	C	JT
C250309	Jan. 20, 2014	Conductivity = 500 µS/cm	503	0.6	5%	Y	C	JT
C256773	Nov. 2013	Conductivity = 1,000 µS/cm			5%			
	Per Table →	D.O. = 8.04 mg/L @ 26.5 °C	8.08	0.04	0.2 mg/l	Y	C	JT

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 SWDF Date: May 8, 2013

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: 1830

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						
C252301	April 2014	pH = 4.00	4.05	0.05	0.2	Y	C	JT
C251987	March 2014	pH = 7.00	7.04	0.04	0.2	Y	C	JT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C256861	Jan. 2014	Turbidity = 10 NTU	10.2	2	10%	Y	C	JT
		Conductivity = 84 µS/cm	84	0	5%	Y	C	JT
C250309	Jan. 20, 2014	Conductivity = 500 µS/cm	502	0.4	5%	Y	C	JT
C256773	Nov. 2013	Conductivity = 1,000 µS/cm	988	1.2	5%	Y	C	JT
	Per Table →	D.O. = 8.00 mg/L @ 26.8°C	8.13	0.13	0.2 mg/l	Y	C	JT

Date: May 10, 2013 Time: 0830

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						
C252301	April 2014	pH = 4.00	4.07	0.07	0.2	Y	C	JT
C251987	March 2014	pH = 7.00	7.05	0.05	0.2	Y	C	JT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C256861	Jan.2014	Turbidity = 10 NTU	10.15	1.5	10%	Y	C	JT
		Conductivity = 84 µS/cm	85	1.2	5%	Y	C	JT
C250309	Jan. 20, 2014	Conductivity = 500 µS/cm	494	0.8	5%	Y	C	JT
C256773	Nov. 2013	Conductivity = 1,000 µS/cm	1011	1.1	5%	Y	C	JT
	Per Table →	D.O. = 8.45 mg/L @ 23.8°C	8.47	0.02	0.2 mg/l	Y	I	JT

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: SED SWDF Date: May 12, 2013

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: 1745

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						
C252301	April 2014	pH = 4.00	4.05	0.05	0.2	Y	C	JT
C251987	March 2014	pH = 7.00	7.03	0.03	0.2	Y	C	JT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C256861	Jan. 2014	Turbidity = 10 NTU	10.06	0.6	10%	Y	C	JT
		Conductivity = 84 µS/cm	86	2.4	5%	Y	C	JT
C250309	Jan. 20, 2014	Conductivity = 500 µS/cm	492	1.6	5%	Y	C	JT
C256773	Nov. 2013	Conductivity = 1,000 µS/cm	1013	1.3	5%	Y	C	JT
	Per Table →	D.O. = 8.48 mg/L @ 23.6°C	8.50	0.02	0.2 mg/l	Y	C	JT

Date: May 14, 2013 Time: 0830

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						
C252301	April 2014	pH = 4.00	4.03	0.03	0.2	Y	C	JT
C251987	March 2014	pH = 7.00	7.05	0.05	0.2	Y	C	JT
C256078	Oct 2014	pH = 10.00			0.2			
		Turbidity = 0.0 NTU						
		Turbidity = 1.0 NTU			10%			
C256861	Jan.2014	Turbidity = 10 NTU	10.16	1.6	10%	Y	C	JT
		Conductivity = 84 µS/cm	85	1.2	5%	Y	C	JT
C250309	Jan. 20, 2014	Conductivity = 500 µS/cm	493	1.4	5%	Y	C	JT
C256773	Nov. 2013	Conductivity = 1,000 µS/cm	1017	1.7	5%	Y	C	JT
	Per Table →	D.O. = 8.40 mg/L @ 24.1 °C	8.44	0.04	0.2 mg/l	Y	C	JT

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

Note (2): Allowable Deviation: pH ± 0.2 of Standard Value; Conductivity ± 5 % of Standard Value; Salinity ± 3 % of Standard Value; DO ± 0.2 mg/L; Turbidity 0.1-10 NTU ± 10% of Standard Value, 11-40 NTU ±8% of Standard Value, 41-100 NTU ± 6.5% of Standard Value, >100 NTU ±5% of Standard Value

Note (3): Initial, Continual, Final

APPENDIX D

Chain-of-Custody Forms

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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

PAGE 1 OF 1

SR#

CAS Contract

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsiinc.us
Company/Address: WSI 11500 43rd St. N. Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE	1	0	3	2	0	3									
NUMBER OF CONTAINERS	8260	8011	NH_3	Metals	TDS, Cl, NO_3	Total Phenolics									REMARKS/ ALTERNATE DESCRIPTION
MW-8A	10	3	3	1	1	1	1								
MW-8B															
MW-9A															
MW-9B															
MW-10A															
MW-10B	10	3	3	1	1	1	1								
Trip Blank-2	1	1													

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX
MW-8A		5.7.13	1545	GW
MW-8B			1510	
MW-9A			1410	
MW-9B			1345	
MW-10A			1235	
MW-10B		5.7.13	1205	GW
Trip Blank-2		5.2.13	0830	DI H_2O

SPECIAL I NSTRUCTIONS/COMMENTS

Cooler ID: 13127-JED2

See QAPP ☐

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

__X__ STANDARD

REQUESTED FAX DATE

_____

REQUESTED REPORT DATE

_____

REPORT REQUIREMENTS

____ I. Results Only

__X__ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

____ V. Specialized Forms / Custom Report

Edata ____ Yes ____ No

INVOICE INFORMATION

PO #

BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP:

CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm	Firm	Firm	Firm	Firm
Date/Time: 5-7-13/1710	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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

SR#

CAS Contract

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsi.us
Company/Address: WSI 11500 43rd St. N. Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE	1	0	3	2	0	3									REMARKS/ ALTERNATE DESCRIPTION
					NUMBER OF CONTAINERS		8260	8011	NH_3	Metals	TDS, Cl, NO_3	Total Phenolics								
MW-13A		5-7-13	0745	GW		10	3	3	1	1	1	1								
MW-13B			0710																	
MW-12A			0845																	
MW-12B			0910																	
MW-11A			1045																	
MW-11B		5-7-13	1015	GW		10	3	3	1	1	1	1								
Trip Blank-1		5-2-13	0800	DI H_2O		1	1													

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL I NSTRUCTIONS/COMMENTS

Cooler ID: 13127-JED1

See QAPP ☐

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

X STANDARD

REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS

____ I. Results Only

X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

____ V. Specialized Forms / Custom Report

Edata ____Yes ____No

INVOICE INFORMATION

PO #

BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP:

CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm	Firm	Firm	Firm	Firm
Date/Time: 5-7-13/1710	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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SR#

CAS Contract

Project Name: JEDSWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsiinc.us
Company/Address: WSI	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 0 3 2 0 3

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	BOH	NH3	Metals	TDS @ NO3	Total Phenolics	REMARKS/ ALTERNATE DESCRIPTION
MW-2A		5-8-13	1555	GW	10	3	3	1	1	1	1	
MW-2B			1505									
MW-3A			1430									
MW-3D			1405									
MW-4A			1225									
MW-4B		5-8-13	1300	GW	10	3	3	1	1	1	1	
Trip Blnk-4		5-2-13	0930	H_2O	1	1						

SPECIAL I NSTRUCTIONS/COMMENTS

Cooler ID: 13128-JEDD

See QAPP ☐

TURNAROUND REQUIREMENTS
- ____ RUSH (SURCHARGES APPLY)
- X STANDARD

REQUESTED FAX DATE: _____

REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS
- ____ I. Results Only
- X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
- ____ III. Results + QC and Calibration Summaries
- ____ IV. Data Validation Report with Raw Data
- ____ V. Specialized Forms / Custom Report

Edata ____Yes ____No

INVOICE INFORMATION
- PO #
- BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm	Firm	Firm	Firm	Firm
Date/Time: 5-8-13/1700	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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SR#

CAS Contract

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsi.us
Company/Address: WSI 11500 43rd St N Clearwater, FL 33760	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE	1	0	3	2	0	3									REMARKS/ ALTERNATE DESCRIPTION
					NUMBER OF CONTAINERS		8260	8011	NH_3	Metals	TDS, Cl, NO_3	Total Phenolics								
MW-7A		5-8-13	0735	GW		10	3	3	1	1	1	1								
MW-7B			0700																	
MW-6A			0925																	
MW-6B			0855																	
MW-5A			1105																	
MW-5B			1035	GW																
Equipment Blank-1		5-8-13	0800	DI H_2O		10	3	3	1	1	1	1								
Trip Blank-3		5-7-13	0900	DI H_2O		1	1													

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL I NSTRUCTIONS/COMMENTS

Cooler ID: 13128-JED1

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_X_ STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
____ I. Results Only
_X_ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____Yes ____No

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm	Firm	Firm	Firm	Firm
Date/Time: 5-8-13/1700	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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SR#

CAS Contract

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@lusi.us
Company/Address: LUSI	
11500 43rd St N	
Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 0 3 2 0 3

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3	Metals	TDS, Cl, NO_3	Tot-1 Phenols	REMARKS/ ALTERNATE DESCRIPTION
MW-20A		5-9-13	1330	GW	10	3	3	1	1	1	1	
MW-20B			1400									
MW-21A			1215									
MW-21B			1150	GW								
Equipment Blank-2		5-9-13	1440	DI H_2O	10	3	3	1	1	1	1	
Trip Blank-6		5-2-13	1030	DI H_2O	1	1						

SPECIAL I NSTRUCTIONS/COMMENTS

Cooler ID: 13129-JED2

See QAPP ☐

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

_X_ STANDARD

REQUESTED FAX DATE

_____

REQUESTED REPORT DATE

_____

REPORT REQUIREMENTS

_____ I. Results Only

_X_ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

_____ III. Results + QC and Calibration Summaries

_____ IV. Data Validation Report with Raw Data

_____ V. Specialized Forms / Custom Report

Edata _____ Yes _____ No

INVOICE INFORMATION

PO #

BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: LUSI	Firm	Firm	Firm	Firm	Firm
Date/Time: 5-9-13/1510	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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PAGE 1 OF 1

SR#

CAS Contract

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsii.us
Company/Address: WSI	
11500 43rd St. N	
Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE	1	0	3	2	0	3									
NUMBER OF CONTAINERS	8260	8011	NH_3	metals	TDS, Cl, NO_3	Tot. Phenolics									REMARKS/ ALTERNATE DESCRIPTION
MW-1A	5-9-13	0730	GW	10	3	3	1	1	1	1					
MW-1B		0700													
MW-22RA		1030													
MW-22RB		1005													
MW-23A		0915													
MW-23B	5-9-13	0845	GW	10	3	3	1	1	1	1					
Trip Blnk-5	5-2-13	1000	DI H_2O	1	1										

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL I NSTRUCTIONS/COMMENTS

Cooler ID: 13129-JED1

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
_____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
_____ V. Specialized Forms / Custom Report
Edata _____Yes _____No

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm	Firm	Firm	Firm	Firm
Date/Time: 5-9-13/1510	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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PAGE 1 OF 1

SR#

CAS Contract

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsiinc.us
Company/Address: WSI 11500 43rd St. N. Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 0 3 2 0 3

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3	Metals	TDS, Cl, NO_3	Total Phenolics	REMARKS/ ALTERNATE DESCRIPTION
MW-16A		5.13.13	1040	GW	10	3	3	1	1	1	1	
MW-16B			1110									
MW-16C			1015									
MW-19A			0855									
MW-19B		5.13.13	0830	GW	10	3	3	1	1	1	1	
Trip Blnk-7		5.2.13	1100	DI_{H_2O}	1	1						

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL I NSTRUCTIONS/COMMENTS

Cooler ID: 13133-JED

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
__X__ STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
____ I. Results Only
__X__ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____Yes ____No

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm	Firm	Firm	Firm	Firm
Date/Time: 5.13.13/1230	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

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

APPENDIX E

CD Containing Analytical Laboratory Reports

May 24, 2013 Service Request No:J1302513

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

Laboratory Results for: JED SWDF

Dear Kirk,

Enclosed are the results of the sample(s) submitted to our laboratory May 08, 2013
For your reference, these analyses have been assigned our service request number **J1302513.**

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 Columbia Analytical Services, Inc. (CAS) 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: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1302513
Date Received: 5/8/13

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

Twelve water samples and two trip blanks were received for analysis at ALS Environmental on 5/8/13. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at ≤6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

Method 8260B: The upper control criterion was exceeded for the following analyte in Laboratory Control Sample (LCS) JQ1303220-01: 1,1-Dichloroethene. The analyte in question was 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 upper control criterion was exceeded for the following analyte in Duplicate Laboratory Control Sample (DLCS) JQ1303220-02: Bromomethane. The analyte in question was not detected in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected and no further corrective action was appropriate.

Semi-Volatile Organic Analyses:

Method 8011: The control criterion was exceeded for the following surrogate in samples J1302513-003 and -005 due to suspected matrix interference: 1,1,1,2-Tetrachloroethane. A medium emulsion was generated during the extraction of this sample, which may have contributed to its poor surrogate recovery. No further corrective action was appropriate.

Metals Analyses:

No significant data anomalies were noted with this analysis.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

Approved by _____ Date 5/24/2013

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Florida Department of Health	E82502	6/30/2013
North Carolina Department of Environment and Natural Resources	527	12/31/2013
Virginia Environmental Accreditation Program	460191	12/14/2013
Louisiana Department of Environmental Quality	02086	6/30/2013
Georgia Department of Natural Resources	958	6/30/2013
Kentucky Division of Waste Management	63	7/5/2013
South Carolina Department of Health and Environmental Control	96021001	6/30/2013
Texas Commision on Environmental Quality	T104704197-09-TX	5/31/2013
Maine Department of Health and Human Services	2011006	2/3/2015
Department of Defense	66206	5/31/2013
Pennsylvania Department of Environmental Protection	68-04835	8/31/2013

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 determininations
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

Acronyms

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302513
Project: JED SWDF

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1302513-001	MW-13A	5/7/2013	0745
J1302513-002	MW-13B	5/7/2013	0710
J1302513-003	MW-12A	5/7/2013	0845
J1302513-004	MW-12B	5/7/2013	0910
J1302513-005	MW-11A	5/7/2013	1045
J1302513-006	MW-11B	5/7/2013	1015
J1302513-007	Trip Blank-1	5/7/2013	0000
J1302513-008	MW-8A	5/7/2013	1545
J1302513-009	MW-8B	5/7/2013	1510
J1302513-010	MW-9A	5/7/2013	1410
J1302513-011	MW-9B	5/7/2013	1345
J1302513-012	MW-10A	5/7/2013	1235
J1302513-013	MW-10B	5/7/2013	1205
J1302513-014	Trip Blank-2	5/7/2013	0000

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13A	**Units:**	ug/L
Lab Code:	J1302513-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/08/13 23:15	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/08/13 23:15	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/08/13 23:15	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/08/13 23:15	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/08/13 23:15	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/08/13 23:15	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/08/13 23:15	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/08/13 23:15	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/08/13 23:15	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/08/13 23:15	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/08/13 23:15	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/08/13 23:15	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/08/13 23:15	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/08/13 23:15	
2-Hexanone	2.2 U	25	2.2	1	05/08/13 23:15	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/08/13 23:15	
Acetone	5.6 U	50	5.6	1	05/08/13 23:15	
Acrylonitrile	1.5 U	10	1.5	1	05/08/13 23:15	
Benzene	**3.4**	1.0	0.21	1	05/08/13 23:15	
Bromochloromethane	0.27 U	5.0	0.27	1	05/08/13 23:15	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/08/13 23:15	
Bromoform	0.42 U	2.0	0.42	1	05/08/13 23:15	
Bromomethane	0.23 U	5.0	0.23	1	05/08/13 23:15	*
Carbon Disulfide	2.4 U	10	2.4	1	05/08/13 23:15	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/08/13 23:15	
Chlorobenzene	0.16 U	1.0	0.16	1	05/08/13 23:15	
Chloroethane	0.52 U	5.0	0.52	1	05/08/13 23:15	
Chloroform	0.35 U	1.0	0.35	1	05/08/13 23:15	
Chloromethane	0.36 U	1.0	0.36	1	05/08/13 23:15	
cis-1,2-Dichloroethene	**0.77 I**	1.0	0.36	1	05/08/13 23:15	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/08/13 23:15	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/08/13 23:15	
Dibromomethane	0.36 U	5.0	0.36	1	05/08/13 23:15	
Ethylbenzene	0.21 U	1.0	0.21	1	05/08/13 23:15	
Iodomethane	2.7 U	5.0	2.7	1	05/08/13 23:15	
m,p-Xylenes	**0.32 I**	2.0	0.31	1	05/08/13 23:15	
Methylene Chloride	0.21 U	5.0	0.21	1	05/08/13 23:15	
o-Xylene	**0.20 I**	1.0	0.14	1	05/08/13 23:15	
Styrene	0.29 U	1.0	0.29	1	05/08/13 23:15	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/08/13 23:15	
Toluene	0.19 U	1.0	0.19	1	05/08/13 23:15	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/08/13 23:15	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/08/13 23:15	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13A	**Units:**	ug/L
Lab Code:	J1302513-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/08/13 23:15	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/08/13 23:15	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/08/13 23:15	
Vinyl Acetate	1.9 U	10	1.9	1	05/08/13 23:15	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/08/13 23:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	72 - 121	05/08/13 23:15	
4-Bromofluorobenzene	98	86 - 113	05/08/13 23:15	
Dibromofluoromethane	100	86 - 112	05/08/13 23:15	
Toluene-d8	95	88 - 115	05/08/13 23:15	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13A	**Units:**	ug/L
Lab Code:	J1302513-001	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/20/13 16:56	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/20/13 16:56	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	73	70 - 130	05/20/13 16:56	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13A	**Basis:**	NA
Lab Code:	J1302513-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 22:03	5/9/13	
Arsenic, Total Recoverable	6020	**12.9**	ug/L	1.0	0.5	1	05/10/13 22:03	5/9/13	
Barium, Total Recoverable	6020	**13.4**	ug/L	2.0	0.5	1	05/10/13 22:03	5/9/13	
Beryllium, Total Recoverable	6020	**0.07 I**	ug/L	0.50	0.04	1	05/10/13 22:03	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 22:03	5/9/13	
Chromium, Total Recoverable	6020	**3.9**	ug/L	1.0	0.2	1	05/10/13 22:03	5/9/13	
Cobalt, Total Recoverable	6020	**0.2 I**	ug/L	1.0	0.03	1	05/10/13 22:03	5/9/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/10/13 22:03	5/9/13	
Iron, Total Recoverable	6010B	**19800**	ug/L	100	3	1	05/10/13 19:13	5/9/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/10/13 22:03	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 15:27	5/9/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/10/13 22:03	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 22:03	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 22:03	5/9/13	
Sodium, Total Recoverable	6010B	**16.1**	mg/L	0.50	0.03	1	05/10/13 19:13	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 22:03	5/9/13	
Vanadium, Total Recoverable	6020	**4.3**	ug/L	2.0	0.3	1	05/10/13 22:03	5/9/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/10/13 22:03	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13A	**Basis:**	NA
Lab Code:	J1302513-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**1.47**		mg/L	0.010	0.007	1	05/10/13 12:23	NA	
Chloride	300.0	**26.8**		mg/L	0.50	0.11	1	05/08/13 15:59	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 15:59	NA	
Phenolics, Total Recoverable	420.4	**36**	**IV**	ug/L	50	5	1	05/13/13 16:54	5/13/13	
Solids, Total Dissolved	SM 2540 C	**147**		mg/L	10	10	1	05/09/13 16:44	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13B	**Units:**	ug/L
Lab Code:	J1302513-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/08/13 23:42	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/08/13 23:42	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/08/13 23:42	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/08/13 23:42	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/08/13 23:42	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/08/13 23:42	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/08/13 23:42	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/08/13 23:42	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/08/13 23:42	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/08/13 23:42	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/08/13 23:42	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/08/13 23:42	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/08/13 23:42	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/08/13 23:42	
2-Hexanone	2.2 U	25	2.2	1	05/08/13 23:42	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/08/13 23:42	
Acetone	5.6 U	50	5.6	1	05/08/13 23:42	
Acrylonitrile	1.5 U	10	1.5	1	05/08/13 23:42	
Benzene	0.21 U	1.0	0.21	1	05/08/13 23:42	
Bromochloromethane	0.27 U	5.0	0.27	1	05/08/13 23:42	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/08/13 23:42	
Bromoform	0.42 U	2.0	0.42	1	05/08/13 23:42	
Bromomethane	0.23 U	5.0	0.23	1	05/08/13 23:42	*
Carbon Disulfide	2.4 U	10	2.4	1	05/08/13 23:42	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/08/13 23:42	
Chlorobenzene	0.16 U	1.0	0.16	1	05/08/13 23:42	
Chloroethane	0.52 U	5.0	0.52	1	05/08/13 23:42	
Chloroform	0.35 U	1.0	0.35	1	05/08/13 23:42	
Chloromethane	0.36 U	1.0	0.36	1	05/08/13 23:42	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/08/13 23:42	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/08/13 23:42	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/08/13 23:42	
Dibromomethane	0.36 U	5.0	0.36	1	05/08/13 23:42	
Ethylbenzene	0.21 U	1.0	0.21	1	05/08/13 23:42	
Iodomethane	2.7 U	5.0	2.7	1	05/08/13 23:42	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/08/13 23:42	
Methylene Chloride	0.21 U	5.0	0.21	1	05/08/13 23:42	
o-Xylene	0.14 U	1.0	0.14	1	05/08/13 23:42	
Styrene	0.29 U	1.0	0.29	1	05/08/13 23:42	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/08/13 23:42	
Toluene	0.19 U	1.0	0.19	1	05/08/13 23:42	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/08/13 23:42	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/08/13 23:42	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13B	**Units:**	ug/L
Lab Code:	J1302513-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/08/13 23:42	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/08/13 23:42	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/08/13 23:42	
Vinyl Acetate	1.9 U	10	1.9	1	05/08/13 23:42	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/08/13 23:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	100	72 - 121	05/08/13 23:42	
4-Bromofluorobenzene	100	86 - 113	05/08/13 23:42	
Dibromofluoromethane	101	86 - 112	05/08/13 23:42	
Toluene-d8	97	88 - 115	05/08/13 23:42	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13B	**Units:**	ug/L
Lab Code:	J1302513-002	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.0201	0.00703	1	05/20/13 18:00	5/20/13	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	05/20/13 18:00	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	77	70 - 130	05/20/13 18:00	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13B	**Basis:**	NA
Lab Code:	J1302513-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 22:08	5/9/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/10/13 22:08	5/9/13	
Barium, Total Recoverable	6020	**20.7**		ug/L	2.0	0.5	1	05/10/13 22:08	5/9/13	
Beryllium, Total Recoverable	6020	**0.06**	**I**	ug/L	0.50	0.04	1	05/10/13 22:08	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 22:08	5/9/13	
Chromium, Total Recoverable	6020	**0.8**	**I**	ug/L	1.0	0.2	1	05/10/13 22:08	5/9/13	
Cobalt, Total Recoverable	6020	**0.4**	**I**	ug/L	1.0	0.03	1	05/10/13 22:08	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 22:08	5/9/13	
Iron, Total Recoverable	6010B	**1940**		ug/L	100	3	1	05/10/13 19:17	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 22:08	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 15:31	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 22:08	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 22:08	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 22:08	5/9/13	
Sodium, Total Recoverable	6010B	**14.6**		mg/L	0.50	0.03	1	05/10/13 19:17	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 22:08	5/9/13	
Vanadium, Total Recoverable	6020	0.3	U	ug/L	2.0	0.3	1	05/10/13 22:08	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 22:08	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 07:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-13B	**Basis:**	NA
Lab Code:	J1302513-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.174**		mg/L	0.010	0.007	1	05/10/13 12:24	NA	
Chloride	300.0	**33.9**		mg/L	0.50	0.11	1	05/08/13 16:53	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 16:53	NA	
Phenolics, Total Recoverable	420.4	**31**	**IV**	ug/L	50	5	1	05/13/13 16:56	5/13/13	
Solids, Total Dissolved	SM 2540 C	**94**		mg/L	10	10	1	05/09/13 16:44	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 08:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12A	**Units:**	ug/L
Lab Code:	J1302513-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/09/13 00:09	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/09/13 00:09	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/09/13 00:09	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/09/13 00:09	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/09/13 00:09	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/09/13 00:09	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/09/13 00:09	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/09/13 00:09	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/09/13 00:09	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/09/13 00:09	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/09/13 00:09	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/09/13 00:09	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/09/13 00:09	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/09/13 00:09	
2-Hexanone	2.2 U	25	2.2	1	05/09/13 00:09	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/09/13 00:09	
Acetone	5.6 U	50	5.6	1	05/09/13 00:09	
Acrylonitrile	1.5 U	10	1.5	1	05/09/13 00:09	
Benzene	**3.8**	1.0	0.21	1	05/09/13 00:09	
Bromochloromethane	0.27 U	5.0	0.27	1	05/09/13 00:09	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/09/13 00:09	
Bromoform	0.42 U	2.0	0.42	1	05/09/13 00:09	
Bromomethane	0.23 U	5.0	0.23	1	05/09/13 00:09	*
Carbon Disulfide	2.4 U	10	2.4	1	05/09/13 00:09	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/09/13 00:09	
Chlorobenzene	0.16 U	1.0	0.16	1	05/09/13 00:09	
Chloroethane	0.52 U	5.0	0.52	1	05/09/13 00:09	
Chloroform	0.35 U	1.0	0.35	1	05/09/13 00:09	
Chloromethane	0.36 U	1.0	0.36	1	05/09/13 00:09	
cis-1,2-Dichloroethene	**0.41 I**	1.0	0.36	1	05/09/13 00:09	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/09/13 00:09	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/09/13 00:09	
Dibromomethane	0.36 U	5.0	0.36	1	05/09/13 00:09	
Ethylbenzene	0.21 U	1.0	0.21	1	05/09/13 00:09	
Iodomethane	2.7 U	5.0	2.7	1	05/09/13 00:09	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/09/13 00:09	
Methylene Chloride	0.21 U	5.0	0.21	1	05/09/13 00:09	
o-Xylene	0.14 U	1.0	0.14	1	05/09/13 00:09	
Styrene	0.29 U	1.0	0.29	1	05/09/13 00:09	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/09/13 00:09	
Toluene	0.19 U	1.0	0.19	1	05/09/13 00:09	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/09/13 00:09	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/09/13 00:09	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 08:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12A	**Units:**	ug/L
Lab Code:	J1302513-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/09/13 00:09	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/09/13 00:09	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/09/13 00:09	
Vinyl Acetate	1.9 U	10	1.9	1	05/09/13 00:09	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/09/13 00:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	72 - 121	05/09/13 00:09	
4-Bromofluorobenzene	99	86 - 113	05/09/13 00:09	
Dibromofluoromethane	99	86 - 112	05/09/13 00:09	
Toluene-d8	97	88 - 115	05/09/13 00:09	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 08:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12A	**Units:**	ug/L
Lab Code:	J1302513-003	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/20/13 18:22	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/20/13 18:22	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	56	70 - 130	05/20/13 18:22	*

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 08:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12A	**Basis:**	NA
Lab Code:	J1302513-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 22:13	5/9/13	
Arsenic, Total Recoverable	6020	**3.7**	ug/L	1.0	0.5	1	05/10/13 22:13	5/9/13	
Barium, Total Recoverable	6020	**16.3**	ug/L	2.0	0.5	1	05/10/13 22:13	5/9/13	
Beryllium, Total Recoverable	6020	**0.06 I**	ug/L	0.50	0.04	1	05/10/13 22:13	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 22:13	5/9/13	
Chromium, Total Recoverable	6020	**1.7**	ug/L	1.0	0.2	1	05/10/13 22:13	5/9/13	
Cobalt, Total Recoverable	6020	**1.1**	ug/L	1.0	0.03	1	05/10/13 22:13	5/9/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/10/13 22:13	5/9/13	
Iron, Total Recoverable	6010B	**27300**	ug/L	100	3	1	05/10/13 19:21	5/9/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/10/13 22:13	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 15:33	5/9/13	
Nickel, Total Recoverable	6020	**1.4 I**	ug/L	2.0	0.5	1	05/10/13 22:13	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 22:13	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 22:13	5/9/13	
Sodium, Total Recoverable	6010B	**11.4**	mg/L	0.50	0.03	1	05/10/13 19:21	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 22:13	5/9/13	
Vanadium, Total Recoverable	6020	**1.9 I**	ug/L	2.0	0.3	1	05/10/13 22:13	5/9/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/10/13 22:13	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 08:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12A	**Basis:**	NA
Lab Code:	J1302513-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**1.48**		mg/L	0.010	0.007	1	05/10/13 12:24	NA	
Chloride	300.0	**20.1**		mg/L	0.50	0.11	1	05/08/13 22:29	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 22:29	NA	
Phenolics, Total Recoverable	420.4	**33**	**IV**	ug/L	50	5	1	05/13/13 16:56	5/13/13	
Solids, Total Dissolved	SM 2540 C	**149**		mg/L	10	10	1	05/09/13 16:44	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 09:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12B	**Units:**	ug/L
Lab Code:	J1302513-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/09/13 00:36	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/09/13 00:36	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/09/13 00:36	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/09/13 00:36	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/09/13 00:36	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/09/13 00:36	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/09/13 00:36	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/09/13 00:36	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/09/13 00:36	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/09/13 00:36	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/09/13 00:36	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/09/13 00:36	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/09/13 00:36	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/09/13 00:36	
2-Hexanone	2.2 U	25	2.2	1	05/09/13 00:36	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/09/13 00:36	
Acetone	5.6 U	50	5.6	1	05/09/13 00:36	
Acrylonitrile	1.5 U	10	1.5	1	05/09/13 00:36	
Benzene	0.21 U	1.0	0.21	1	05/09/13 00:36	
Bromochloromethane	0.27 U	5.0	0.27	1	05/09/13 00:36	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/09/13 00:36	
Bromoform	0.42 U	2.0	0.42	1	05/09/13 00:36	
Bromomethane	0.23 U	5.0	0.23	1	05/09/13 00:36	*
Carbon Disulfide	2.4 U	10	2.4	1	05/09/13 00:36	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/09/13 00:36	
Chlorobenzene	0.16 U	1.0	0.16	1	05/09/13 00:36	
Chloroethane	0.52 U	5.0	0.52	1	05/09/13 00:36	
Chloroform	0.35 U	1.0	0.35	1	05/09/13 00:36	
Chloromethane	0.36 U	1.0	0.36	1	05/09/13 00:36	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/09/13 00:36	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/09/13 00:36	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/09/13 00:36	
Dibromomethane	0.36 U	5.0	0.36	1	05/09/13 00:36	
Ethylbenzene	0.21 U	1.0	0.21	1	05/09/13 00:36	
Iodomethane	2.7 U	5.0	2.7	1	05/09/13 00:36	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/09/13 00:36	
Methylene Chloride	0.21 U	5.0	0.21	1	05/09/13 00:36	
o-Xylene	0.14 U	1.0	0.14	1	05/09/13 00:36	
Styrene	0.29 U	1.0	0.29	1	05/09/13 00:36	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/09/13 00:36	
Toluene	0.19 U	1.0	0.19	1	05/09/13 00:36	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/09/13 00:36	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/09/13 00:36	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 09:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12B	**Units:**	ug/L
Lab Code:	J1302513-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/09/13 00:36	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/09/13 00:36	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/09/13 00:36	
Vinyl Acetate	1.9 U	10	1.9	1	05/09/13 00:36	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/09/13 00:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	05/09/13 00:36	
4-Bromofluorobenzene	99	86 - 113	05/09/13 00:36	
Dibromofluoromethane	102	86 - 112	05/09/13 00:36	
Toluene-d8	97	88 - 115	05/09/13 00:36	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 09:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12B	**Units:**	ug/L
Lab Code:	J1302513-004	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/20/13 18:43	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/20/13 18:43	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	77	70 - 130	05/20/13 18:43	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 09:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12B	**Basis:**	NA
Lab Code:	J1302513-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 22:18	5/9/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/10/13 22:18	5/9/13	
Barium, Total Recoverable	6020	**38.1**		ug/L	2.0	0.5	1	05/10/13 22:18	5/9/13	
Beryllium, Total Recoverable	6020	**0.05**	**I**	ug/L	0.50	0.04	1	05/10/13 22:18	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 22:18	5/9/13	
Chromium, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.2	1	05/10/13 22:18	5/9/13	
Cobalt, Total Recoverable	6020	**0.2**	**I**	ug/L	1.0	0.03	1	05/10/13 22:18	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 22:18	5/9/13	
Iron, Total Recoverable	6010B	**1390**		ug/L	100	3	1	05/10/13 19:26	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 22:18	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 15:34	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 22:18	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 22:18	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 22:18	5/9/13	
Sodium, Total Recoverable	6010B	**10.2**		mg/L	0.50	0.03	1	05/10/13 19:25	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 22:18	5/9/13	
Vanadium, Total Recoverable	6020	**1.1**	**I**	ug/L	2.0	0.3	1	05/10/13 22:18	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 22:18	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 09:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-12B	**Basis:**	NA
Lab Code:	J1302513-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.146**		mg/L	0.010	0.007	1	05/10/13 12:25	NA	
Chloride	300.0	**27.1**		mg/L	0.50	0.11	1	05/08/13 22:47	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 22:47	NA	
Phenolics, Total Recoverable	420.4	**28**	**IV**	ug/L	50	5	1	05/13/13 16:57	5/13/13	
Solids, Total Dissolved	SM 2540 C	**86**		mg/L	10	10	1	05/09/13 16:44	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11A	**Units:**	ug/L
Lab Code:	J1302513-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/09/13 01:03	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/09/13 01:03	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/09/13 01:03	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/09/13 01:03	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/09/13 01:03	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/09/13 01:03	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/09/13 01:03	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/09/13 01:03	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/09/13 01:03	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/09/13 01:03	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/09/13 01:03	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/09/13 01:03	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/09/13 01:03	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/09/13 01:03	
2-Hexanone	2.2 U	25	2.2	1	05/09/13 01:03	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/09/13 01:03	
Acetone	5.6 U	50	5.6	1	05/09/13 01:03	
Acrylonitrile	1.5 U	10	1.5	1	05/09/13 01:03	
Benzene	**8.1**	1.0	0.21	1	05/09/13 01:03	
Bromochloromethane	0.27 U	5.0	0.27	1	05/09/13 01:03	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/09/13 01:03	
Bromoform	0.42 U	2.0	0.42	1	05/09/13 01:03	
Bromomethane	0.23 U	5.0	0.23	1	05/09/13 01:03	*
Carbon Disulfide	2.4 U	10	2.4	1	05/09/13 01:03	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/09/13 01:03	
Chlorobenzene	0.16 U	1.0	0.16	1	05/09/13 01:03	
Chloroethane	0.52 U	5.0	0.52	1	05/09/13 01:03	
Chloroform	0.35 U	1.0	0.35	1	05/09/13 01:03	
Chloromethane	0.36 U	1.0	0.36	1	05/09/13 01:03	
cis-1,2-Dichloroethene	**0.78 I**	1.0	0.36	1	05/09/13 01:03	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/09/13 01:03	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/09/13 01:03	
Dibromomethane	0.36 U	5.0	0.36	1	05/09/13 01:03	
Ethylbenzene	**0.98 I**	1.0	0.21	1	05/09/13 01:03	
Iodomethane	2.7 U	5.0	2.7	1	05/09/13 01:03	
m,p-Xylenes	**0.76 I**	2.0	0.31	1	05/09/13 01:03	
Methylene Chloride	0.21 U	5.0	0.21	1	05/09/13 01:03	
o-Xylene	**0.28 I**	1.0	0.14	1	05/09/13 01:03	
Styrene	0.29 U	1.0	0.29	1	05/09/13 01:03	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/09/13 01:03	
Toluene	**0.33 I**	1.0	0.19	1	05/09/13 01:03	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/09/13 01:03	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/09/13 01:03	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11A	**Units:**	ug/L
Lab Code:	J1302513-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/09/13 01:03	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/09/13 01:03	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/09/13 01:03	
Vinyl Acetate	1.9 U	10	1.9	1	05/09/13 01:03	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/09/13 01:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	72 - 121	05/09/13 01:03	
4-Bromofluorobenzene	99	86 - 113	05/09/13 01:03	
Dibromofluoromethane	103	86 - 112	05/09/13 01:03	
Toluene-d8	96	88 - 115	05/09/13 01:03	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11A	**Units:**	ug/L
Lab Code:	J1302513-005	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.0201	0.00705	1	05/20/13 19:04	5/20/13	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	05/20/13 19:04	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	68	70 - 130	05/20/13 19:04	*

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11A	**Basis:**	NA
Lab Code:	J1302513-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 22:23	5/9/13	
Arsenic, Total Recoverable	6020	**3.6**		ug/L	1.0	0.5	1	05/10/13 22:23	5/9/13	
Barium, Total Recoverable	6020	**15.8**		ug/L	2.0	0.5	1	05/10/13 22:23	5/9/13	
Beryllium, Total Recoverable	6020	**0.04**	**I**	ug/L	0.50	0.04	1	05/10/13 22:23	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 22:23	5/9/13	
Chromium, Total Recoverable	6020	**3.2**		ug/L	1.0	0.2	1	05/10/13 22:23	5/9/13	
Cobalt, Total Recoverable	6020	**0.3**	**I**	ug/L	1.0	0.03	1	05/10/13 22:23	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 22:23	5/9/13	
Iron, Total Recoverable	6010B	**9320**		ug/L	100	3	1	05/10/13 19:30	5/9/13	
Lead, Total Recoverable	6020	**0.20**	**I**	ug/L	0.50	0.12	1	05/10/13 22:23	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 15:35	5/9/13	
Nickel, Total Recoverable	6020	**1.1**	**I**	ug/L	2.0	0.5	1	05/10/13 22:23	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 22:23	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 22:23	5/9/13	
Sodium, Total Recoverable	6010B	**37.6**		mg/L	0.50	0.03	1	05/10/13 19:30	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 22:23	5/9/13	
Vanadium, Total Recoverable	6020	**3.7**		ug/L	2.0	0.3	1	05/10/13 22:23	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 22:23	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11A	**Basis:**	NA
Lab Code:	J1302513-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**5.67**		mg/L	0.010	0.007	1	05/10/13 12:26	NA	
Chloride	300.0	**57.3**		mg/L	0.50	0.11	1	05/08/13 23:05	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 23:05	NA	
Phenolics, Total Recoverable	420.4	**38**	**IV**	ug/L	50	5	1	05/13/13 16:58	5/13/13	
Solids, Total Dissolved	SM 2540 C	**237**		mg/L	10	10	1	05/09/13 16:44	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:15
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11B	**Units:**	ug/L
Lab Code:	J1302513-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/09/13 01:30	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/09/13 01:30	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/09/13 01:30	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/09/13 01:30	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/09/13 01:30	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/09/13 01:30	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/09/13 01:30	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/09/13 01:30	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/09/13 01:30	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/09/13 01:30	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/09/13 01:30	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/09/13 01:30	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/09/13 01:30	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/09/13 01:30	
2-Hexanone	2.2 U	25	2.2	1	05/09/13 01:30	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/09/13 01:30	
Acetone	5.6 U	50	5.6	1	05/09/13 01:30	
Acrylonitrile	1.5 U	10	1.5	1	05/09/13 01:30	
Benzene	**3.7**	1.0	0.21	1	05/09/13 01:30	
Bromochloromethane	0.27 U	5.0	0.27	1	05/09/13 01:30	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/09/13 01:30	
Bromoform	0.42 U	2.0	0.42	1	05/09/13 01:30	
Bromomethane	0.23 U	5.0	0.23	1	05/09/13 01:30	*
Carbon Disulfide	2.4 U	10	2.4	1	05/09/13 01:30	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/09/13 01:30	
Chlorobenzene	0.16 U	1.0	0.16	1	05/09/13 01:30	
Chloroethane	0.52 U	5.0	0.52	1	05/09/13 01:30	
Chloroform	0.35 U	1.0	0.35	1	05/09/13 01:30	
Chloromethane	0.36 U	1.0	0.36	1	05/09/13 01:30	
cis-1,2-Dichloroethene	**0.56 I**	1.0	0.36	1	05/09/13 01:30	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/09/13 01:30	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/09/13 01:30	
Dibromomethane	0.36 U	5.0	0.36	1	05/09/13 01:30	
Ethylbenzene	0.21 U	1.0	0.21	1	05/09/13 01:30	
Iodomethane	2.7 U	5.0	2.7	1	05/09/13 01:30	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/09/13 01:30	
Methylene Chloride	0.21 U	5.0	0.21	1	05/09/13 01:30	
o-Xylene	**0.14 I**	1.0	0.14	1	05/09/13 01:30	
Styrene	0.29 U	1.0	0.29	1	05/09/13 01:30	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/09/13 01:30	
Toluene	0.19 U	1.0	0.19	1	05/09/13 01:30	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/09/13 01:30	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/09/13 01:30	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:15
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11B	**Units:**	ug/L
Lab Code:	J1302513-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/09/13 01:30	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/09/13 01:30	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/09/13 01:30	
Vinyl Acetate	1.9 U	10	1.9	1	05/09/13 01:30	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/09/13 01:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	05/09/13 01:30	
4-Bromofluorobenzene	96	86 - 113	05/09/13 01:30	
Dibromofluoromethane	102	86 - 112	05/09/13 01:30	
Toluene-d8	96	88 - 115	05/09/13 01:30	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:15
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11B	**Units:**	ug/L
Lab Code:	J1302513-006	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0197	0.00700	1	05/20/13 19:25	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0197	0.00700	1	05/20/13 19:25	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	74	70 - 130	05/20/13 19:25	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:15
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11B	**Basis:**	NA
Lab Code:	J1302513-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 22:29	5/9/13	
Arsenic, Total Recoverable	6020	**0.7 I**	ug/L	1.0	0.5	1	05/10/13 22:29	5/9/13	
Barium, Total Recoverable	6020	**32.6**	ug/L	2.0	0.5	1	05/10/13 22:29	5/9/13	
Beryllium, Total Recoverable	6020	**0.07 I**	ug/L	0.50	0.04	1	05/10/13 22:29	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 22:29	5/9/13	
Chromium, Total Recoverable	6020	**1.5**	ug/L	1.0	0.2	1	05/10/13 22:29	5/9/13	
Cobalt, Total Recoverable	6020	**0.2 I**	ug/L	1.0	0.03	1	05/10/13 22:29	5/9/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/10/13 22:29	5/9/13	
Iron, Total Recoverable	6010B	**1030**	ug/L	100	3	1	05/10/13 19:44	5/9/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/10/13 22:29	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 15:37	5/9/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/10/13 22:29	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 22:29	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 22:29	5/9/13	
Sodium, Total Recoverable	6010B	**27.7**	mg/L	0.50	0.03	1	05/10/13 19:43	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 22:29	5/9/13	
Vanadium, Total Recoverable	6020	**2.5**	ug/L	2.0	0.3	1	05/10/13 22:29	5/9/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/10/13 22:29	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 10:15
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-11B	**Basis:**	NA
Lab Code:	J1302513-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.086**		mg/L	0.010	0.007	1	05/10/13 12:27	NA	
Chloride	300.0	**25.7**		mg/L	0.50	0.11	1	05/08/13 23:23	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 23:23	NA	
Phenolics, Total Recoverable	420.4	**32**	**IV**	ug/L	50	5	1	05/13/13 16:58	5/13/13	
Solids, Total Dissolved	SM 2540 C	**131**		mg/L	10	10	1	05/09/13 16:44	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 00:00
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	Trip Blank-1	**Units:**	ug/L
Lab Code:	J1302513-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/08/13 22:49	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/08/13 22:49	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/08/13 22:49	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/08/13 22:49	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/08/13 22:49	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/08/13 22:49	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/08/13 22:49	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/08/13 22:49	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/08/13 22:49	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/08/13 22:49	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/08/13 22:49	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/08/13 22:49	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/08/13 22:49	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/08/13 22:49	
2-Hexanone	2.2 U	25	2.2	1	05/08/13 22:49	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/08/13 22:49	
Acetone	5.6 U	50	5.6	1	05/08/13 22:49	
Acrylonitrile	1.5 U	10	1.5	1	05/08/13 22:49	
Benzene	0.21 U	1.0	0.21	1	05/08/13 22:49	
Bromochloromethane	0.27 U	5.0	0.27	1	05/08/13 22:49	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/08/13 22:49	
Bromoform	0.42 U	2.0	0.42	1	05/08/13 22:49	
Bromomethane	0.23 U	5.0	0.23	1	05/08/13 22:49	*
Carbon Disulfide	2.4 U	10	2.4	1	05/08/13 22:49	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/08/13 22:49	
Chlorobenzene	0.16 U	1.0	0.16	1	05/08/13 22:49	
Chloroethane	0.52 U	5.0	0.52	1	05/08/13 22:49	
Chloroform	0.35 U	1.0	0.35	1	05/08/13 22:49	
Chloromethane	0.36 U	1.0	0.36	1	05/08/13 22:49	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/08/13 22:49	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/08/13 22:49	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/08/13 22:49	
Dibromomethane	0.36 U	5.0	0.36	1	05/08/13 22:49	
Ethylbenzene	0.21 U	1.0	0.21	1	05/08/13 22:49	
Iodomethane	2.7 U	5.0	2.7	1	05/08/13 22:49	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/08/13 22:49	
Methylene Chloride	0.21 U	5.0	0.21	1	05/08/13 22:49	
o-Xylene	0.14 U	1.0	0.14	1	05/08/13 22:49	
Styrene	0.29 U	1.0	0.29	1	05/08/13 22:49	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/08/13 22:49	
Toluene	0.19 U	1.0	0.19	1	05/08/13 22:49	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/08/13 22:49	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/08/13 22:49	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 00:00
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	Trip Blank-1	**Units:**	ug/L
Lab Code:	J1302513-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/08/13 22:49	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/08/13 22:49	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/08/13 22:49	
Vinyl Acetate	1.9 U	10	1.9	1	05/08/13 22:49	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/08/13 22:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	72 - 121	05/08/13 22:49	
4-Bromofluorobenzene	99	86 - 113	05/08/13 22:49	
Dibromofluoromethane	101	86 - 112	05/08/13 22:49	
Toluene-d8	96	88 - 115	05/08/13 22:49	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8A	**Units:**	ug/L
Lab Code:	J1302513-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/09/13 01:56	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/09/13 01:56	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/09/13 01:56	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/09/13 01:56	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/09/13 01:56	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/09/13 01:56	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/09/13 01:56	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/09/13 01:56	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/09/13 01:56	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/09/13 01:56	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/09/13 01:56	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/09/13 01:56	
1,4-Dichlorobenzene	**0.65 I**	1.0	0.16	1	05/09/13 01:56	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/09/13 01:56	
2-Hexanone	2.2 U	25	2.2	1	05/09/13 01:56	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/09/13 01:56	
Acetone	5.6 U	50	5.6	1	05/09/13 01:56	
Acrylonitrile	1.5 U	10	1.5	1	05/09/13 01:56	
Benzene	**2.2**	1.0	0.21	1	05/09/13 01:56	
Bromochloromethane	0.27 U	5.0	0.27	1	05/09/13 01:56	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/09/13 01:56	
Bromoform	0.42 U	2.0	0.42	1	05/09/13 01:56	
Bromomethane	0.23 U	5.0	0.23	1	05/09/13 01:56	*
Carbon Disulfide	2.4 U	10	2.4	1	05/09/13 01:56	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/09/13 01:56	
Chlorobenzene	**0.26 I**	1.0	0.16	1	05/09/13 01:56	
Chloroethane	0.52 U	5.0	0.52	1	05/09/13 01:56	
Chloroform	0.35 U	1.0	0.35	1	05/09/13 01:56	
Chloromethane	0.36 U	1.0	0.36	1	05/09/13 01:56	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/09/13 01:56	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/09/13 01:56	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/09/13 01:56	
Dibromomethane	0.36 U	5.0	0.36	1	05/09/13 01:56	
Ethylbenzene	0.21 U	1.0	0.21	1	05/09/13 01:56	
Iodomethane	2.7 U	5.0	2.7	1	05/09/13 01:56	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/09/13 01:56	
Methylene Chloride	0.21 U	5.0	0.21	1	05/09/13 01:56	
o-Xylene	**0.27 I**	1.0	0.14	1	05/09/13 01:56	
Styrene	0.29 U	1.0	0.29	1	05/09/13 01:56	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/09/13 01:56	
Toluene	0.19 U	1.0	0.19	1	05/09/13 01:56	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/09/13 01:56	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/09/13 01:56	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8A	**Units:**	ug/L
Lab Code:	J1302513-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/09/13 01:56	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/09/13 01:56	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/09/13 01:56	
Vinyl Acetate	1.9 U	10	1.9	1	05/09/13 01:56	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/09/13 01:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	05/09/13 01:56	
4-Bromofluorobenzene	100	86 - 113	05/09/13 01:56	
Dibromofluoromethane	102	86 - 112	05/09/13 01:56	
Toluene-d8	96	88 - 115	05/09/13 01:56	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8A	**Units:**	ug/L
Lab Code:	J1302513-008	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.0201	0.00705	1	05/20/13 20:08	5/20/13	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	05/20/13 20:08	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	90	70 - 130	05/20/13 20:08	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8A	**Basis:**	NA
Lab Code:	J1302513-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 22:34	5/9/13	
Arsenic, Total Recoverable	6020	**0.8**	**I**	ug/L	1.0	0.5	1	05/10/13 22:34	5/9/13	
Barium, Total Recoverable	6020	**39.3**		ug/L	2.0	0.5	1	05/10/13 22:34	5/9/13	
Beryllium, Total Recoverable	6020	**0.36**	**I**	ug/L	0.50	0.04	1	05/10/13 22:34	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 22:34	5/9/13	
Chromium, Total Recoverable	6020	**2.5**		ug/L	1.0	0.2	1	05/10/13 22:34	5/9/13	
Cobalt, Total Recoverable	6020	**3.4**		ug/L	1.0	0.03	1	05/10/13 22:34	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 22:34	5/9/13	
Iron, Total Recoverable	6010B	**10000**		ug/L	100	3	1	05/10/13 19:48	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 22:34	5/9/13	
Mercury, Total	7470A	**0.02**	**I**	ug/L	0.10	0.02	1	05/10/13 15:38	5/9/13	
Nickel, Total Recoverable	6020	**6.6**		ug/L	2.0	0.5	1	05/10/13 22:34	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 22:34	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 22:34	5/9/13	
Sodium, Total Recoverable	6010B	**27.9**		mg/L	0.50	0.03	1	05/10/13 19:47	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 22:34	5/9/13	
Vanadium, Total Recoverable	6020	**6.0**		ug/L	2.0	0.3	1	05/10/13 22:34	5/9/13	
Zinc, Total Recoverable	6020	**1.7**	**I**	ug/L	5.0	1.6	1	05/10/13 22:34	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8A	**Basis:**	NA
Lab Code:	J1302513-008		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**5.59**		mg/L	0.010	0.007	1	05/10/13 12:28	NA	
Chloride	300.0	**32.1**		mg/L	0.50	0.11	1	05/08/13 23:41	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 23:41	NA	
Phenolics, Total Recoverable	420.4	**69**	**V**	ug/L	50	5	1	05/13/13 17:03	5/13/13	
Solids, Total Dissolved	SM 2540 C	**769**		mg/L	10	10	1	05/09/13 16:44	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8B	**Units:**	ug/L
Lab Code:	J1302513-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/09/13 02:23	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/09/13 02:23	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/09/13 02:23	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/09/13 02:23	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/09/13 02:23	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/09/13 02:23	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/09/13 02:23	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/09/13 02:23	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/09/13 02:23	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/09/13 02:23	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/09/13 02:23	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/09/13 02:23	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/09/13 02:23	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/09/13 02:23	
2-Hexanone	2.2 U	25	2.2	1	05/09/13 02:23	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/09/13 02:23	
Acetone	5.6 U	50	5.6	1	05/09/13 02:23	
Acrylonitrile	1.5 U	10	1.5	1	05/09/13 02:23	
Benzene	0.21 U	1.0	0.21	1	05/09/13 02:23	
Bromochloromethane	0.27 U	5.0	0.27	1	05/09/13 02:23	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/09/13 02:23	
Bromoform	0.42 U	2.0	0.42	1	05/09/13 02:23	
Bromomethane	0.23 U	5.0	0.23	1	05/09/13 02:23	*
Carbon Disulfide	2.4 U	10	2.4	1	05/09/13 02:23	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/09/13 02:23	
Chlorobenzene	0.16 U	1.0	0.16	1	05/09/13 02:23	
Chloroethane	0.52 U	5.0	0.52	1	05/09/13 02:23	
Chloroform	0.35 U	1.0	0.35	1	05/09/13 02:23	
Chloromethane	0.36 U	1.0	0.36	1	05/09/13 02:23	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/09/13 02:23	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/09/13 02:23	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/09/13 02:23	
Dibromomethane	0.36 U	5.0	0.36	1	05/09/13 02:23	
Ethylbenzene	0.21 U	1.0	0.21	1	05/09/13 02:23	
Iodomethane	2.7 U	5.0	2.7	1	05/09/13 02:23	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/09/13 02:23	
Methylene Chloride	0.21 U	5.0	0.21	1	05/09/13 02:23	
o-Xylene	0.14 U	1.0	0.14	1	05/09/13 02:23	
Styrene	0.29 U	1.0	0.29	1	05/09/13 02:23	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/09/13 02:23	
Toluene	0.19 U	1.0	0.19	1	05/09/13 02:23	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/09/13 02:23	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/09/13 02:23	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8B	**Units:**	ug/L
Lab Code:	J1302513-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/09/13 02:23	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/09/13 02:23	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/09/13 02:23	
Vinyl Acetate	1.9 U	10	1.9	1	05/09/13 02:23	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/09/13 02:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	05/09/13 02:23	
4-Bromofluorobenzene	99	86 - 113	05/09/13 02:23	
Dibromofluoromethane	101	86 - 112	05/09/13 02:23	
Toluene-d8	95	88 - 115	05/09/13 02:23	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8B	**Units:**	ug/L
Lab Code:	J1302513-009	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/20/13 20:29	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/20/13 20:29	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	93	70 - 130	05/20/13 20:29	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8B	**Basis:**	NA
Lab Code:	J1302513-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 22:39	5/9/13	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/10/13 22:39	5/9/13	
Barium, Total Recoverable	6020	**76.9**	ug/L	2.0	0.5	1	05/10/13 22:39	5/9/13	
Beryllium, Total Recoverable	6020	**0.10 I**	ug/L	0.50	0.04	1	05/10/13 22:39	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 22:39	5/9/13	
Chromium, Total Recoverable	6020	**1.9**	ug/L	1.0	0.2	1	05/10/13 22:39	5/9/13	
Cobalt, Total Recoverable	6020	**0.5 I**	ug/L	1.0	0.03	1	05/10/13 22:39	5/9/13	
Copper, Total Recoverable	6020	**0.4 I**	ug/L	1.0	0.3	1	05/10/13 22:39	5/9/13	
Iron, Total Recoverable	6010B	**3130**	ug/L	100	3	1	05/10/13 19:51	5/9/13	
Lead, Total Recoverable	6020	**1.11**	ug/L	0.50	0.12	1	05/10/13 22:39	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 15:40	5/9/13	
Nickel, Total Recoverable	6020	**0.6 I**	ug/L	2.0	0.5	1	05/10/13 22:39	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 22:39	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 22:39	5/9/13	
Sodium, Total Recoverable	6010B	**12.7**	mg/L	0.50	0.03	1	05/10/13 19:51	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 22:39	5/9/13	
Vanadium, Total Recoverable	6020	**3.5**	ug/L	2.0	0.3	1	05/10/13 22:39	5/9/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/10/13 22:39	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 15:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-8B	**Basis:**	NA
Lab Code:	J1302513-009		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.211**		mg/L	0.010	0.007	1	05/10/13 12:29	NA	
Chloride	300.0	**43.5**		mg/L	0.50	0.11	1	05/08/13 23:59	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 23:59	NA	
Phenolics, Total Recoverable	420.4	**32**	**IV**	ug/L	50	5	1	05/13/13 17:04	5/13/13	
Solids, Total Dissolved	SM 2540 C	**116**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 14:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9A	**Units:**	ug/L
Lab Code:	J1302513-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/09/13 02:50	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/09/13 02:50	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/09/13 02:50	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/09/13 02:50	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/09/13 02:50	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/09/13 02:50	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/09/13 02:50	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/09/13 02:50	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/09/13 02:50	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/09/13 02:50	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/09/13 02:50	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/09/13 02:50	
1,4-Dichlorobenzene	**0.26 I**	1.0	0.16	1	05/09/13 02:50	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/09/13 02:50	
2-Hexanone	2.2 U	25	2.2	1	05/09/13 02:50	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/09/13 02:50	
Acetone	5.6 U	50	5.6	1	05/09/13 02:50	
Acrylonitrile	1.5 U	10	1.5	1	05/09/13 02:50	
Benzene	**2.3**	1.0	0.21	1	05/09/13 02:50	
Bromochloromethane	0.27 U	5.0	0.27	1	05/09/13 02:50	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/09/13 02:50	
Bromoform	0.42 U	2.0	0.42	1	05/09/13 02:50	
Bromomethane	0.23 U	5.0	0.23	1	05/09/13 02:50	*
Carbon Disulfide	2.4 U	10	2.4	1	05/09/13 02:50	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/09/13 02:50	
Chlorobenzene	0.16 U	1.0	0.16	1	05/09/13 02:50	
Chloroethane	0.52 U	5.0	0.52	1	05/09/13 02:50	
Chloroform	0.35 U	1.0	0.35	1	05/09/13 02:50	
Chloromethane	0.36 U	1.0	0.36	1	05/09/13 02:50	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/09/13 02:50	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/09/13 02:50	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/09/13 02:50	
Dibromomethane	0.36 U	5.0	0.36	1	05/09/13 02:50	
Ethylbenzene	0.21 U	1.0	0.21	1	05/09/13 02:50	
Iodomethane	2.7 U	5.0	2.7	1	05/09/13 02:50	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/09/13 02:50	
Methylene Chloride	0.21 U	5.0	0.21	1	05/09/13 02:50	
o-Xylene	**0.21 I**	1.0	0.14	1	05/09/13 02:50	
Styrene	0.29 U	1.0	0.29	1	05/09/13 02:50	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/09/13 02:50	
Toluene	0.19 U	1.0	0.19	1	05/09/13 02:50	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/09/13 02:50	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/09/13 02:50	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 14:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9A	**Units:**	ug/L
Lab Code:	J1302513-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/09/13 02:50	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/09/13 02:50	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/09/13 02:50	
Vinyl Acetate	1.9 U	10	1.9	1	05/09/13 02:50	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/09/13 02:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	72 - 121	05/09/13 02:50	
4-Bromofluorobenzene	101	86 - 113	05/09/13 02:50	
Dibromofluoromethane	104	86 - 112	05/09/13 02:50	
Toluene-d8	97	88 - 115	05/09/13 02:50	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 14:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9A	**Units:**	ug/L
Lab Code:	J1302513-010	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.0201	0.00705	1	05/20/13 20:51	5/20/13	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	05/20/13 20:51	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	84	70 - 130	05/20/13 20:51	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 14:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9A	**Basis:**	NA
Lab Code:	J1302513-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 22:54	5/9/13	
Arsenic, Total Recoverable	6020	**0.9 I**	ug/L	1.0	0.5	1	05/10/13 22:54	5/9/13	
Barium, Total Recoverable	6020	**82.0**	ug/L	2.0	0.5	1	05/10/13 22:54	5/9/13	
Beryllium, Total Recoverable	6020	**0.04 I**	ug/L	0.50	0.04	1	05/10/13 22:54	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 22:54	5/9/13	
Chromium, Total Recoverable	6020	**1.8**	ug/L	1.0	0.2	1	05/10/13 22:54	5/9/13	
Cobalt, Total Recoverable	6020	**2.6**	ug/L	1.0	0.03	1	05/10/13 22:54	5/9/13	
Copper, Total Recoverable	6020	**0.6 I**	ug/L	1.0	0.3	1	05/10/13 22:54	5/9/13	
Iron, Total Recoverable	6010B	**11100**	ug/L	100	3	1	05/10/13 19:55	5/9/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/10/13 22:54	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 15:41	5/9/13	
Nickel, Total Recoverable	6020	**5.3**	ug/L	2.0	0.5	1	05/10/13 22:54	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 22:54	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 22:54	5/9/13	
Sodium, Total Recoverable	6010B	**29.7**	mg/L	0.50	0.03	1	05/10/13 19:55	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 22:54	5/9/13	
Vanadium, Total Recoverable	6020	**2.5**	ug/L	2.0	0.3	1	05/10/13 22:54	5/9/13	
Zinc, Total Recoverable	6020	**3.5 I**	ug/L	5.0	1.6	1	05/10/13 22:54	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 14:10
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9A	**Basis:**	NA
Lab Code:	J1302513-010		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**21.6**		mg/L	0.10	0.07	10	05/10/13 13:20	NA	
Chloride	300.0	**25.8**		mg/L	0.50	0.11	1	05/09/13 00:17	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 00:17	NA	
Phenolics, Total Recoverable	420.4	**37**	**IV**	ug/L	50	5	1	05/13/13 17:05	5/13/13	
Solids, Total Dissolved	SM 2540 C	**489**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 13:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9B	**Units:**	ug/L
Lab Code:	J1302513-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/10/13 14:25	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/10/13 14:25	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/10/13 14:25	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/10/13 14:25	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/10/13 14:25	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/10/13 14:25	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/10/13 14:25	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/10/13 14:25	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/10/13 14:25	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/10/13 14:25	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/10/13 14:25	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/10/13 14:25	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/10/13 14:25	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/10/13 14:25	
2-Hexanone	2.2 U	25	2.2	1	05/10/13 14:25	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/10/13 14:25	
Acetone	5.6 U	50	5.6	1	05/10/13 14:25	
Acrylonitrile	1.5 U	10	1.5	1	05/10/13 14:25	
Benzene	0.21 U	1.0	0.21	1	05/10/13 14:25	
Bromochloromethane	0.27 U	5.0	0.27	1	05/10/13 14:25	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/10/13 14:25	
Bromoform	0.42 U	2.0	0.42	1	05/10/13 14:25	
Bromomethane	0.23 U	5.0	0.23	1	05/10/13 14:25	
Carbon Disulfide	2.4 U	10	2.4	1	05/10/13 14:25	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/10/13 14:25	
Chlorobenzene	0.16 U	1.0	0.16	1	05/10/13 14:25	
Chloroethane	0.52 U	5.0	0.52	1	05/10/13 14:25	
Chloroform	0.35 U	1.0	0.35	1	05/10/13 14:25	
Chloromethane	0.36 U	1.0	0.36	1	05/10/13 14:25	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/10/13 14:25	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/10/13 14:25	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/10/13 14:25	
Dibromomethane	0.36 U	5.0	0.36	1	05/10/13 14:25	
Ethylbenzene	0.21 U	1.0	0.21	1	05/10/13 14:25	
Iodomethane	2.7 U	5.0	2.7	1	05/10/13 14:25	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/10/13 14:25	
Methylene Chloride	0.21 U	5.0	0.21	1	05/10/13 14:25	
o-Xylene	0.14 U	1.0	0.14	1	05/10/13 14:25	
Styrene	0.29 U	1.0	0.29	1	05/10/13 14:25	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/10/13 14:25	
Toluene	0.19 U	1.0	0.19	1	05/10/13 14:25	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/10/13 14:25	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/10/13 14:25	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 13:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9B	**Units:**	ug/L
Lab Code:	J1302513-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/10/13 14:25	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/10/13 14:25	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/10/13 14:25	
Vinyl Acetate	1.9 U	10	1.9	1	05/10/13 14:25	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/10/13 14:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	72 - 121	05/10/13 14:25	
4-Bromofluorobenzene	105	86 - 113	05/10/13 14:25	
Dibromofluoromethane	96	86 - 112	05/10/13 14:25	
Toluene-d8	104	88 - 115	05/10/13 14:25	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 13:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9B	**Units:**	ug/L
Lab Code:	J1302513-011	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.0201	0.00703	1	05/20/13 21:12	5/20/13	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	05/20/13 21:12	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	83	70 - 130	05/20/13 21:12	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 13:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9B	**Basis:**	NA
Lab Code:	J1302513-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 22:59	5/9/13	
Arsenic, Total Recoverable	6020	**0.7 I**	ug/L	1.0	0.5	1	05/10/13 22:59	5/9/13	
Barium, Total Recoverable	6020	**105**	ug/L	2.0	0.5	1	05/10/13 22:59	5/9/13	
Beryllium, Total Recoverable	6020	**1.04**	ug/L	0.50	0.04	1	05/10/13 22:59	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 22:59	5/9/13	
Chromium, Total Recoverable	6020	**1.3**	ug/L	1.0	0.2	1	05/10/13 22:59	5/9/13	
Cobalt, Total Recoverable	6020	**7.1**	ug/L	1.0	0.03	1	05/10/13 22:59	5/9/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/10/13 22:59	5/9/13	
Iron, Total Recoverable	6010B	**26600**	ug/L	100	3	1	05/10/13 19:59	5/9/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/10/13 22:59	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 15:42	5/9/13	
Nickel, Total Recoverable	6020	**2.7**	ug/L	2.0	0.5	1	05/10/13 22:59	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 22:59	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 22:59	5/9/13	
Sodium, Total Recoverable	6010B	**53.1**	mg/L	0.50	0.03	1	05/10/13 19:59	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 22:59	5/9/13	
Vanadium, Total Recoverable	6020	**4.5**	ug/L	2.0	0.3	1	05/10/13 22:59	5/9/13	
Zinc, Total Recoverable	6020	**4.8 I**	ug/L	5.0	1.6	1	05/10/13 22:59	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 13:45
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-9B	**Basis:**	NA
Lab Code:	J1302513-011		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.762**		mg/L	0.010	0.007	1	05/10/13 12:31	NA	
Chloride	300.0	**37.8**		mg/L	0.50	0.11	1	05/09/13 00:35	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 00:35	NA	
Phenolics, Total Recoverable	420.4	**38**	**IV**	ug/L	50	5	1	05/13/13 17:05	5/13/13	
Solids, Total Dissolved	SM 2540 C	**681**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:35
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10A	**Units:**	ug/L
Lab Code:	J1302513-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/10/13 14:55	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/10/13 14:55	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/10/13 14:55	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/10/13 14:55	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/10/13 14:55	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/10/13 14:55	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/10/13 14:55	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/10/13 14:55	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/10/13 14:55	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/10/13 14:55	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/10/13 14:55	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/10/13 14:55	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/10/13 14:55	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/10/13 14:55	
2-Hexanone	2.2 U	25	2.2	1	05/10/13 14:55	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/10/13 14:55	
Acetone	5.6 U	50	5.6	1	05/10/13 14:55	
Acrylonitrile	1.5 U	10	1.5	1	05/10/13 14:55	
Benzene	**4.7**	1.0	0.21	1	05/10/13 14:55	
Bromochloromethane	0.27 U	5.0	0.27	1	05/10/13 14:55	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/10/13 14:55	
Bromoform	0.42 U	2.0	0.42	1	05/10/13 14:55	
Bromomethane	0.23 U	5.0	0.23	1	05/10/13 14:55	
Carbon Disulfide	2.4 U	10	2.4	1	05/10/13 14:55	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/10/13 14:55	
Chlorobenzene	0.16 U	1.0	0.16	1	05/10/13 14:55	
Chloroethane	0.52 U	5.0	0.52	1	05/10/13 14:55	
Chloroform	0.35 U	1.0	0.35	1	05/10/13 14:55	
Chloromethane	0.36 U	1.0	0.36	1	05/10/13 14:55	
cis-1,2-Dichloroethene	**0.82 I**	1.0	0.36	1	05/10/13 14:55	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/10/13 14:55	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/10/13 14:55	
Dibromomethane	0.36 U	5.0	0.36	1	05/10/13 14:55	
Ethylbenzene	0.21 U	1.0	0.21	1	05/10/13 14:55	
Iodomethane	2.7 U	5.0	2.7	1	05/10/13 14:55	
m,p-Xylenes	**0.48 I**	2.0	0.31	1	05/10/13 14:55	
Methylene Chloride	0.21 U	5.0	0.21	1	05/10/13 14:55	
o-Xylene	**2.4**	1.0	0.14	1	05/10/13 14:55	
Styrene	0.29 U	1.0	0.29	1	05/10/13 14:55	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/10/13 14:55	
Toluene	0.19 U	1.0	0.19	1	05/10/13 14:55	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/10/13 14:55	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/10/13 14:55	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:35
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10A	**Units:**	ug/L
Lab Code:	J1302513-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/10/13 14:55	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/10/13 14:55	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/10/13 14:55	
Vinyl Acetate	1.9 U	10	1.9	1	05/10/13 14:55	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/10/13 14:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	95	72 - 121	05/10/13 14:55	
4-Bromofluorobenzene	104	86 - 113	05/10/13 14:55	
Dibromofluoromethane	98	86 - 112	05/10/13 14:55	
Toluene-d8	104	88 - 115	05/10/13 14:55	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:35
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10A	**Units:**	ug/L
Lab Code:	J1302513-012	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00707 U	0.0202	0.00707	1	05/20/13 21:33	5/20/13	
1,2-Dibromoethane (EDB)	0.00707 U	0.0202	0.00707	1	05/20/13 21:33	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	70	70 - 130	05/20/13 21:33	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:35
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10A	**Basis:**	NA
Lab Code:	J1302513-012		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 23:04	5/9/13	
Arsenic, Total Recoverable	6020	**2.2**	ug/L	1.0	0.5	1	05/10/13 23:04	5/9/13	
Barium, Total Recoverable	6020	**46.7**	ug/L	2.0	0.5	1	05/10/13 23:04	5/9/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/10/13 23:04	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 23:04	5/9/13	
Chromium, Total Recoverable	6020	**1.8**	ug/L	1.0	0.2	1	05/10/13 23:04	5/9/13	
Cobalt, Total Recoverable	6020	**1.0 I**	ug/L	1.0	0.03	1	05/10/13 23:04	5/9/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/10/13 23:04	5/9/13	
Iron, Total Recoverable	6010B	**6070**	ug/L	100	3	1	05/10/13 20:03	5/9/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/10/13 23:04	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 15:44	5/9/13	
Nickel, Total Recoverable	6020	**3.3**	ug/L	2.0	0.5	1	05/10/13 23:04	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 23:04	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 23:04	5/9/13	
Sodium, Total Recoverable	6010B	**17.0**	mg/L	0.50	0.03	1	05/10/13 20:03	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 23:04	5/9/13	
Vanadium, Total Recoverable	6020	**2.9**	ug/L	2.0	0.3	1	05/10/13 23:04	5/9/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/10/13 23:04	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:35
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10A	**Basis:**	NA
Lab Code:	J1302513-012		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**11.6**		mg/L	0.050	0.035	5	05/10/13 13:21	NA	
Chloride	300.0	**19.1**		mg/L	0.50	0.11	1	05/09/13 00:53	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 00:53	NA	
Phenolics, Total Recoverable	420.4	**31**	**IV**	ug/L	50	5	1	05/15/13 09:00	5/14/13	
Solids, Total Dissolved	SM 2540 C	**286**		mg/L	10	10	1	05/13/13 12:50	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:05
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10B	**Units:**	ug/L
Lab Code:	J1302513-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/10/13 15:24	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/10/13 15:24	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/10/13 15:24	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/10/13 15:24	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/10/13 15:24	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/10/13 15:24	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/10/13 15:24	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/10/13 15:24	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/10/13 15:24	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/10/13 15:24	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/10/13 15:24	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/10/13 15:24	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/10/13 15:24	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/10/13 15:24	
2-Hexanone	2.2 U	25	2.2	1	05/10/13 15:24	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/10/13 15:24	
Acetone	5.6 U	50	5.6	1	05/10/13 15:24	
Acrylonitrile	1.5 U	10	1.5	1	05/10/13 15:24	
Benzene	0.21 U	1.0	0.21	1	05/10/13 15:24	
Bromochloromethane	0.27 U	5.0	0.27	1	05/10/13 15:24	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/10/13 15:24	
Bromoform	0.42 U	2.0	0.42	1	05/10/13 15:24	
Bromomethane	0.23 U	5.0	0.23	1	05/10/13 15:24	
Carbon Disulfide	2.4 U	10	2.4	1	05/10/13 15:24	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/10/13 15:24	
Chlorobenzene	0.16 U	1.0	0.16	1	05/10/13 15:24	
Chloroethane	0.52 U	5.0	0.52	1	05/10/13 15:24	
Chloroform	0.35 U	1.0	0.35	1	05/10/13 15:24	
Chloromethane	0.36 U	1.0	0.36	1	05/10/13 15:24	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/10/13 15:24	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/10/13 15:24	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/10/13 15:24	
Dibromomethane	0.36 U	5.0	0.36	1	05/10/13 15:24	
Ethylbenzene	0.21 U	1.0	0.21	1	05/10/13 15:24	
Iodomethane	2.7 U	5.0	2.7	1	05/10/13 15:24	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/10/13 15:24	
Methylene Chloride	0.21 U	5.0	0.21	1	05/10/13 15:24	
o-Xylene	0.14 U	1.0	0.14	1	05/10/13 15:24	
Styrene	0.29 U	1.0	0.29	1	05/10/13 15:24	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/10/13 15:24	
Toluene	0.19 U	1.0	0.19	1	05/10/13 15:24	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/10/13 15:24	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/10/13 15:24	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:05
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10B	**Units:**	ug/L
Lab Code:	J1302513-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/10/13 15:24	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/10/13 15:24	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/10/13 15:24	
Vinyl Acetate	1.9 U	10	1.9	1	05/10/13 15:24	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/10/13 15:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	92	72 - 121	05/10/13 15:24	
4-Bromofluorobenzene	103	86 - 113	05/10/13 15:24	
Dibromofluoromethane	97	86 - 112	05/10/13 15:24	
Toluene-d8	106	88 - 115	05/10/13 15:24	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:05
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10B	**Units:**	ug/L
Lab Code:	J1302513-013	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00711 U	0.0203	0.00711	1	05/20/13 21:55	5/20/13	
1,2-Dibromoethane (EDB)	0.00711 U	0.0203	0.00711	1	05/20/13 21:55	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	87	70 - 130	05/20/13 21:55	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:05
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10B	**Basis:**	NA
Lab Code:	J1302513-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 23:09	5/9/13	
Arsenic, Total Recoverable	6020	**0.8**	**I**	ug/L	1.0	0.5	1	05/10/13 23:09	5/9/13	
Barium, Total Recoverable	6020	**104**		ug/L	2.0	0.5	1	05/10/13 23:09	5/9/13	
Beryllium, Total Recoverable	6020	**0.36**	**I**	ug/L	0.50	0.04	1	05/10/13 23:09	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 23:09	5/9/13	
Chromium, Total Recoverable	6020	**0.8**	**I**	ug/L	1.0	0.2	1	05/10/13 23:09	5/9/13	
Cobalt, Total Recoverable	6020	**4.2**		ug/L	1.0	0.03	1	05/10/13 23:09	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 23:09	5/9/13	
Iron, Total Recoverable	6010B	**6650**		ug/L	100	3	1	05/10/13 20:07	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 23:09	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 15:48	5/9/13	
Nickel, Total Recoverable	6020	**1.3**	**I**	ug/L	2.0	0.5	1	05/10/13 23:09	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 23:09	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 23:09	5/9/13	
Sodium, Total Recoverable	6010B	**56.6**		mg/L	0.50	0.03	1	05/10/13 20:07	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 23:09	5/9/13	
Vanadium, Total Recoverable	6020	**1.8**	**I**	ug/L	2.0	0.3	1	05/10/13 23:09	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 23:09	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 12:05
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	MW-10B	**Basis:**	NA
Lab Code:	J1302513-013		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**1.43**		mg/L	0.010	0.007	1	05/10/13 12:37	NA	
Chloride	300.0	**46.8**		mg/L	0.50	0.11	1	05/09/13 01:11	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 01:11	NA	
Phenolics, Total Recoverable	420.4	**17**	**IV**	ug/L	50	5	1	05/15/13 09:01	5/14/13	
Solids, Total Dissolved	SM 2540 C	**333**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 00:00
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	Trip Blank-2	**Units:**	ug/L
Lab Code:	J1302513-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/08/13 22:22	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/08/13 22:22	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/08/13 22:22	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/08/13 22:22	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/08/13 22:22	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/08/13 22:22	*
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/08/13 22:22	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/08/13 22:22	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/08/13 22:22	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/08/13 22:22	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/08/13 22:22	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/08/13 22:22	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/08/13 22:22	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/08/13 22:22	
2-Hexanone	2.2 U	25	2.2	1	05/08/13 22:22	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/08/13 22:22	
Acetone	5.6 U	50	5.6	1	05/08/13 22:22	
Acrylonitrile	1.5 U	10	1.5	1	05/08/13 22:22	
Benzene	0.21 U	1.0	0.21	1	05/08/13 22:22	
Bromochloromethane	0.27 U	5.0	0.27	1	05/08/13 22:22	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/08/13 22:22	
Bromoform	0.42 U	2.0	0.42	1	05/08/13 22:22	
Bromomethane	0.23 U	5.0	0.23	1	05/08/13 22:22	*
Carbon Disulfide	2.4 U	10	2.4	1	05/08/13 22:22	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/08/13 22:22	
Chlorobenzene	0.16 U	1.0	0.16	1	05/08/13 22:22	
Chloroethane	0.52 U	5.0	0.52	1	05/08/13 22:22	
Chloroform	0.35 U	1.0	0.35	1	05/08/13 22:22	
Chloromethane	0.36 U	1.0	0.36	1	05/08/13 22:22	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/08/13 22:22	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/08/13 22:22	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/08/13 22:22	
Dibromomethane	0.36 U	5.0	0.36	1	05/08/13 22:22	
Ethylbenzene	0.21 U	1.0	0.21	1	05/08/13 22:22	
Iodomethane	2.7 U	5.0	2.7	1	05/08/13 22:22	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/08/13 22:22	
Methylene Chloride	0.21 U	5.0	0.21	1	05/08/13 22:22	
o-Xylene	0.14 U	1.0	0.14	1	05/08/13 22:22	
Styrene	0.29 U	1.0	0.29	1	05/08/13 22:22	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/08/13 22:22	
Toluene	0.19 U	1.0	0.19	1	05/08/13 22:22	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/08/13 22:22	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/08/13 22:22	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	05/07/13 00:00
Sample Matrix:	Water	**Date Received:**	05/08/13 09:05
Sample Name:	Trip Blank-2	**Units:**	ug/L
Lab Code:	J1302513-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/08/13 22:22	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/08/13 22:22	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/08/13 22:22	
Vinyl Acetate	1.9 U	10	1.9	1	05/08/13 22:22	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/08/13 22:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	72 - 121	05/08/13 22:22	
4-Bromofluorobenzene	100	86 - 113	05/08/13 22:22	
Dibromofluoromethane	100	86 - 112	05/08/13 22:22	
Toluene-d8	97	88 - 115	05/08/13 22:22	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303220-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/08/13 21:55	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/08/13 21:55	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/08/13 21:55	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/08/13 21:55	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/08/13 21:55	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/08/13 21:55	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/08/13 21:55	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/08/13 21:55	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/08/13 21:55	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/08/13 21:55	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/08/13 21:55	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/08/13 21:55	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/08/13 21:55	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/08/13 21:55	
2-Hexanone	2.2 U	25	2.2	1	05/08/13 21:55	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/08/13 21:55	
Acetone	5.6 U	50	5.6	1	05/08/13 21:55	
Acrylonitrile	1.5 U	10	1.5	1	05/08/13 21:55	
Benzene	0.21 U	1.0	0.21	1	05/08/13 21:55	
Bromochloromethane	0.27 U	5.0	0.27	1	05/08/13 21:55	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/08/13 21:55	
Bromoform	0.42 U	2.0	0.42	1	05/08/13 21:55	
Bromomethane	0.23 U	5.0	0.23	1	05/08/13 21:55	
Carbon Disulfide	2.4 U	10	2.4	1	05/08/13 21:55	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/08/13 21:55	
Chlorobenzene	0.16 U	1.0	0.16	1	05/08/13 21:55	
Chloroethane	0.52 U	5.0	0.52	1	05/08/13 21:55	
Chloroform	0.35 U	1.0	0.35	1	05/08/13 21:55	
Chloromethane	0.36 U	1.0	0.36	1	05/08/13 21:55	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/08/13 21:55	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/08/13 21:55	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/08/13 21:55	
Dibromomethane	0.36 U	5.0	0.36	1	05/08/13 21:55	
Ethylbenzene	0.21 U	1.0	0.21	1	05/08/13 21:55	
Iodomethane	2.7 U	5.0	2.7	1	05/08/13 21:55	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/08/13 21:55	
Methylene Chloride	0.21 U	5.0	0.21	1	05/08/13 21:55	
o-Xylene	0.14 U	1.0	0.14	1	05/08/13 21:55	
Styrene	0.29 U	1.0	0.29	1	05/08/13 21:55	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/08/13 21:55	
Toluene	0.19 U	1.0	0.19	1	05/08/13 21:55	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/08/13 21:55	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/08/13 21:55	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303220-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/08/13 21:55	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/08/13 21:55	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/08/13 21:55	
Vinyl Acetate	1.9 U	10	1.9	1	05/08/13 21:55	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/08/13 21:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	100	72 - 121	05/08/13 21:55	
4-Bromofluorobenzene	98	86 - 113	05/08/13 21:55	
Dibromofluoromethane	98	86 - 112	05/08/13 21:55	
Toluene-d8	96	88 - 115	05/08/13 21:55	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303306-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/10/13 10:57	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/10/13 10:57	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/10/13 10:57	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/10/13 10:57	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/10/13 10:57	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/10/13 10:57	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/10/13 10:57	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/10/13 10:57	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/10/13 10:57	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/10/13 10:57	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/10/13 10:57	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/10/13 10:57	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/10/13 10:57	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/10/13 10:57	
2-Hexanone	2.2 U	25	2.2	1	05/10/13 10:57	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/10/13 10:57	
Acetone	5.6 U	50	5.6	1	05/10/13 10:57	
Acrylonitrile	1.5 U	10	1.5	1	05/10/13 10:57	
Benzene	0.21 U	1.0	0.21	1	05/10/13 10:57	
Bromochloromethane	0.27 U	5.0	0.27	1	05/10/13 10:57	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/10/13 10:57	
Bromoform	0.42 U	2.0	0.42	1	05/10/13 10:57	
Bromomethane	0.23 U	5.0	0.23	1	05/10/13 10:57	
Carbon Disulfide	2.4 U	10	2.4	1	05/10/13 10:57	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/10/13 10:57	
Chlorobenzene	0.16 U	1.0	0.16	1	05/10/13 10:57	
Chloroethane	0.52 U	5.0	0.52	1	05/10/13 10:57	
Chloroform	0.35 U	1.0	0.35	1	05/10/13 10:57	
Chloromethane	0.36 U	1.0	0.36	1	05/10/13 10:57	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/10/13 10:57	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/10/13 10:57	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/10/13 10:57	
Dibromomethane	0.36 U	5.0	0.36	1	05/10/13 10:57	
Ethylbenzene	0.21 U	1.0	0.21	1	05/10/13 10:57	
Iodomethane	2.7 U	5.0	2.7	1	05/10/13 10:57	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/10/13 10:57	
Methylene Chloride	0.21 U	5.0	0.21	1	05/10/13 10:57	
o-Xylene	0.14 U	1.0	0.14	1	05/10/13 10:57	
Styrene	0.29 U	1.0	0.29	1	05/10/13 10:57	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/10/13 10:57	
Toluene	0.19 U	1.0	0.19	1	05/10/13 10:57	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/10/13 10:57	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/10/13 10:57	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303306-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/10/13 10:57	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/10/13 10:57	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/10/13 10:57	
Vinyl Acetate	1.9 U	10	1.9	1	05/10/13 10:57	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/10/13 10:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	94	72 - 121	05/10/13 10:57	
4-Bromofluorobenzene	106	86 - 113	05/10/13 10:57	
Dibromofluoromethane	98	86 - 112	05/10/13 10:57	
Toluene-d8	104	88 - 115	05/10/13 10:57	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303444-01	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/20/13 16:13	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/20/13 16:13	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	85	70 - 130	05/20/13 16:13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302513-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 21:53	5/9/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/10/13 21:53	5/9/13	
Barium, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 21:53	5/9/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/10/13 21:53	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 21:53	5/9/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 21:53	5/9/13	
Cobalt, Total Recoverable	6020	0.03	U	ug/L	1.0	0.03	1	05/10/13 21:53	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 21:53	5/9/13	
Iron, Total Recoverable	6010B	**10**	**I**	ug/L	100	3	1	05/10/13 18:56	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 21:53	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 15:21	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 21:53	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 21:53	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 21:53	5/9/13	
Sodium, Total Recoverable	6010B	0.03	U	mg/L	0.50	0.03	1	05/10/13 18:56	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 21:53	5/9/13	
Vanadium, Total Recoverable	6020	0.3	U	ug/L	2.0	0.3	1	05/10/13 21:53	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 21:53	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302513-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.007	U	mg/L	0.010	0.007	1	05/10/13 12:15	NA	
Chloride	300.0	0.11	U	mg/L	0.50	0.11	1	05/08/13 15:05	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/08/13 15:05	NA	
Phenolics, Total Recoverable	420.4	**23**	**I**	ug/L	50	5	1	05/13/13 16:53	5/13/13	
Solids, Total Dissolved	SM 2540 C	10	U	mg/L	10	10	1	05/09/13 16:44	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302513-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Phenolics, Total Recoverable	420.4	**7**	**I**	ug/L	50	5	1	05/15/13 08:59	5/14/13	
Solids, Total Dissolved	SM 2540 C	10	U	mg/L	10	10	1	05/13/13 12:50	NA	

Client: Waste Services of Florida, Inc. **Service Request:** J1302513

Project: JED SWDF

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4 72 - 121	4-Bromofluorobenzene 86 - 113	Dibromofluoromethane 86 - 112
MW-13A	J1302513-001	101	98	100
MW-13B	J1302513-002	100	100	101
MW-12A	J1302513-003	99	99	99
MW-12B	J1302513-004	102	99	102
MW-11A	J1302513-005	103	99	103
MW-11B	J1302513-006	102	96	102
Trip Blank-1	J1302513-007	101	99	101
MW-8A	J1302513-008	102	100	102
MW-8B	J1302513-009	102	99	101
MW-9A	J1302513-010	104	101	104
MW-9B	J1302513-011	94	105	96
MW-10A	J1302513-012	95	104	98
MW-10B	J1302513-013	92	103	97
Trip Blank-2	J1302513-014	99	100	100
Lab Control Sample	JQ1303220-01	99	101	99
Duplicate Lab Control Sample	JQ1303220-02	99	101	99
Method Blank	JQ1303220-03	100	98	98
Lab Control Sample	JQ1303306-03	93	99	97
Method Blank	JQ1303306-04	94	106	98

Client: Waste Services of Florida, Inc. **Service Request:** J1302513
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8 88 - 115
MW-13A	J1302513-001	95
MW-13B	J1302513-002	97
MW-12A	J1302513-003	97
MW-12B	J1302513-004	97
MW-11A	J1302513-005	96
MW-11B	J1302513-006	96
Trip Blank-1	J1302513-007	96
MW-8A	J1302513-008	96
MW-8B	J1302513-009	95
MW-9A	J1302513-010	97
MW-9B	J1302513-011	104
MW-10A	J1302513-012	104
MW-10B	J1302513-013	106
Trip Blank-2	J1302513-014	97
Lab Control Sample	JQ1303220-01	98
Duplicate Lab Control Sample	JQ1303220-02	99
Method Blank	JQ1303220-03	96
Lab Control Sample	JQ1303306-03	104
Method Blank	JQ1303306-04	104

Client: Waste Services of Florida, Inc. **Service Request:**J1302513
Project: JED SWDF **Date Analyzed:**05/10/13
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340206

Lab Control Sample
JQ1303306-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	20.5	20.0	102	77-118
1,1,1-Trichloroethane (TCA)	19.6	20.0	98	70-122
1,1,2,2-Tetrachloroethane	20.0	20.0	100	66-135
1,1,2-Trichloroethane	20.2	20.0	101	75-122
1,1-Dichloroethane (1,1-DCA)	20.0	20.0	100	79-117
1,1-Dichloroethene (1,1-DCE)	19.6	20.0	98	72-128
1,2,3-Trichloropropane	19.6	20.0	98	70-123
1,2-Dibromo-3-chloropropane (DBCP)	19.5	20.0	98	60-122
1,2-Dibromoethane (EDB)	19.2	20.0	96	76-118
1,2-Dichlorobenzene	19.1	20.0	95	81-115
1,2-Dichloroethane	18.2	20.0	91	70-117
1,2-Dichloropropane	19.7	20.0	98	79-117
1,4-Dichlorobenzene	19.8	20.0	99	82-115
2-Butanone (MEK)	101	100	101	62-138
2-Hexanone	102	100	102	74-127
4-Methyl-2-pentanone (MIBK)	99.7	100	100	77-120
Acetone	91.8	100	92	42-161
Acrylonitrile	96.2	100	96	63-132
Benzene	20.4	20.0	102	80-117
Bromochloromethane	19.3	20.0	96	78-118
Bromodichloromethane	19.9	20.0	99	75-118
Bromoform	18.5	20.0	92	63-121
Bromomethane	19.7	20.0	98	31-153
Carbon Disulfide	104	100	104	72-128
Carbon Tetrachloride	19.2	20.0	96	67-124
Chlorobenzene	19.8	20.0	99	83-118
Chloroethane	19.8	20.0	99	68-132
Chloroform	19.3	20.0	96	77-116
Chloromethane	20.0	20.0	100	60-128
cis-1,2-Dichloroethene	19.8	20.0	99	78-117
cis-1,3-Dichloropropene	22.1	20.0	110	80-119
Dibromochloromethane	20.6	20.0	103	74-121
Dibromomethane	18.8	20.0	94	76-117
Ethylbenzene	21.1	20.0	105	82-119
Iodomethane	100	100	100	51-137
m,p-Xylenes	43.2	40.0	108	79-122
Methylene Chloride	19.9	20.0	99	75-123
o-Xylene	21.0	20.0	105	80-119
Styrene	21.6	20.0	108	80-121
Tetrachloroethene (PCE)	20.4	20.0	102	75-126
Toluene	20.5	20.0	102	52-152

Client: Waste Services of Florida, Inc. **Service Request:**J1302513
Project: JED SWDF **Date Analyzed:**05/10/13
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340206

Lab Control Sample
JQ1303306-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	20.3	20.0	102	75-121
trans-1,3-Dichloropropene	22.1	20.0	110	76-118
trans-1,4-Dichloro-2-butene	23.9	20.0	119	10-198
Trichloroethene (TCE)	19.4	20.0	97	78-122
Trichlorofluoromethane	18.8	20.0	94	58-134
Vinyl Acetate	108	100	108	36-169
Vinyl Chloride	20.6	20.0	103	69-138

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:**J1302513
Project: JED SWDF **Date Analyzed:**05/08/13
Sample Matrix: Water

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

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:339803

	Lab Control Sample JQ1303220-01			Duplicate Lab Control Sample JQ1303220-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	19.5	20.0	97	19.0	20.0	95	77-118	2	30
1,1,1-Trichloroethane (TCA)	20.2	20.0	101	19.3	20.0	96	70-122	5	30
1,1,2,2-Tetrachloroethane	19.2	20.0	96	19.7	20.0	98	66-135	2	30
1,1,2-Trichloroethane	19.7	20.0	98	19.6	20.0	98	75-122	<1	30
1,1-Dichloroethane (1,1-DCA)	20.8	20.0	104	20.0	20.0	100	79-117	4	30
1,1-Dichloroethene (1,1-DCE)	25.8	20.0	129 *	19.3	20.0	96	72-128	29	30
1,2,3-Trichloropropane	19.3	20.0	96	18.3	20.0	92	70-123	5	30
1,2-Dibromo-3-chloropropane (DBCP)	18.6	20.0	93	17.5	20.0	87	60-122	6	30
1,2-Dibromoethane (EDB)	19.3	20.0	96	19.1	20.0	95	76-118	1	30
1,2-Dichlorobenzene	20.7	20.0	103	20.0	20.0	100	81-115	3	30
1,2-Dichloroethane	19.9	20.0	100	19.8	20.0	99	70-117	<1	30
1,2-Dichloropropane	21.1	20.0	105	20.8	20.0	104	79-117	1	30
1,4-Dichlorobenzene	20.6	20.0	103	19.9	20.0	100	82-115	3	30
2-Butanone (MEK)	100	100	100	103	100	103	62-138	3	30
2-Hexanone	99.6	100	100	101	100	101	74-127	1	30
4-Methyl-2-pentanone (MIBK)	102	100	102	101	100	101	77-120	<1	30
Acetone	95.4	100	95	97.6	100	98	42-161	2	30
Acrylonitrile	117	100	117	121	100	121	63-132	3	30
Benzene	21.0	20.0	105	20.5	20.0	103	80-117	2	30
Bromochloromethane	20.2	20.0	101	19.9	20.0	99	78-118	2	30
Bromodichloromethane	20.4	20.0	102	20.2	20.0	101	75-118	<1	30
Bromoform	18.8	20.0	94	18.8	20.0	94	63-121	<1	30
Bromomethane	30.0	20.0	150	31.2	20.0	156 *	31-153	4	30
Carbon Disulfide	112	100	112	105	100	105	72-128	6	30
Carbon Tetrachloride	20.8	20.0	104	19.8	20.0	99	67-124	5	30
Chlorobenzene	19.8	20.0	99	19.0	20.0	95	83-118	4	30
Chloroethane	19.2	20.0	96	19.4	20.0	97	68-132	<1	30
Chloroform	20.4	20.0	102	19.4	20.0	97	77-116	5	30
Chloromethane	19.6	20.0	98	18.6	20.0	93	60-128	5	30
cis-1,2-Dichloroethene	21.0	20.0	105	20.2	20.0	101	78-117	4	30
cis-1,3-Dichloropropene	20.0	20.0	100	19.9	20.0	100	80-119	<1	30
Dibromochloromethane	19.7	20.0	98	19.9	20.0	100	74-121	1	30
Dibromomethane	19.7	20.0	98	19.9	20.0	100	76-117	1	30
Ethylbenzene	20.6	20.0	103	19.7	20.0	98	82-119	4	30
Iodomethane	118	100	118	110	100	110	51-137	7	30
m,p-Xylenes	41.3	40.0	103	39.7	40.0	99	79-122	4	30
Methylene Chloride	21.9	20.0	110	21.5	20.0	108	75-123	2	30
o-Xylene	20.1	20.0	101	19.7	20.0	98	80-119	2	30
Styrene	20.7	20.0	103	20.0	20.0	100	80-121	3	30
Tetrachloroethene (PCE)	20.6	20.0	103	19.1	20.0	96	75-126	8	30
Toluene	20.8	20.0	104	20.1	20.0	100	52-152	3	30

Client: Waste Services of Florida, Inc. **Service Request:**J1302513
Project: JED SWDF **Date Analyzed:**05/08/13
Sample Matrix: Water

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

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:339803

	Lab Control Sample JQ1303220-01			Duplicate Lab Control Sample JQ1303220-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
trans-1,2-Dichloroethene	21.6	20.0	108	20.2	20.0	101	75-121	7	30
trans-1,3-Dichloropropene	19.6	20.0	98	19.3	20.0	96	76-118	2	30
trans-1,4-Dichloro-2-butene	18.2	20.0	91	19.1	20.0	95	10-198	4	30
Trichloroethene (TCE)	20.3	20.0	102	19.6	20.0	98	78-122	4	30
Trichlorofluoromethane	20.1	20.0	100	18.9	20.0	94	58-134	6	30
Vinyl Acetate	102	100	102	101	100	101	36-169	<1	30
Vinyl Chloride	16.9	20.0	84	16.3	20.0	82	69-138	3	30

Client: Waste Services of Florida, Inc. **Service Request:** J1302513
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

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

Analysis Method: 8011
Extraction Method: Method

Sample Name	Lab Code	1,1,1,2-Tetrachloroethane 70 - 130
MW-13A	J1302513-001	73
MW-13B	J1302513-002	77
MW-12A	J1302513-003	56 *
MW-12B	J1302513-004	77
MW-11A	J1302513-005	68 *
MW-11B	J1302513-006	74
MW-8A	J1302513-008	90
MW-8B	J1302513-009	93
MW-9A	J1302513-010	84
MW-9B	J1302513-011	83
MW-10A	J1302513-012	70
MW-10B	J1302513-013	87
Method Blank	JQ1303444-01	85
Lab Control Sample	JQ1303444-02	99
MW-13A	JQ1303444-03	97
MW-13A	JQ1303444-04	94

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

Service Request:J1302513
Date Collected:05/07/13
Date Received:05/08/13
Date Analyzed:05/20/13
Date Extracted:05/20/13

Duplicate Matrix Spike Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Sample Name: MW-13A
Lab Code: J1302513-001
Analysis Method: 8011
Prep Method: Method

Units:ug/L
Basis:NA

		Matrix Spike JQ1303444-03			Duplicate Matrix Spike JQ1303444-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.245	0.249	98	0.223	0.244	91	65-135	9	30
1,2-Dibromoethane (EDB)	ND	0.249	0.249	100	0.234	0.244	96	65-135	6	30

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

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

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302513
Project: JED SWDF **Date Analyzed:**05/20/13
Sample Matrix: Water **Date Extracted:**05/20/13

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:341509

Lab Control Sample
JQ1303444-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.247	0.250	99	70-130
1,2-Dibromoethane (EDB)	0.259	0.250	103	70-130

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:**J1302513
Project: JED SWDF **Date Analyzed:**5/10/13
Sample Matrix: Water

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302513-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	51.9	50.0	104	80-120
Arsenic, Total Recoverable	6020	51.3	50.0	103	80-120
Barium, Total Recoverable	6020	103	100	103	80-120
Beryllium, Total Recoverable	6020	24.9	25.0	99	80-120
Cadmium, Total Recoverable	6020	20.8	20.0	104	80-120
Chromium, Total Recoverable	6020	51.8	50.0	104	80-120
Cobalt, Total Recoverable	6020	51.3	50.0	103	80-120
Copper, Total Recoverable	6020	52.7	50.0	105	80-120
Iron, Total Recoverable	6010B	5270	5000	105	80-120
Lead, Total Recoverable	6020	25.4	25.0	102	80-120
Mercury, Total	7470A	1.18	1.25	95	80-120
Nickel, Total Recoverable	6020	104	100	104	80-120
Selenium, Total Recoverable	6020	102	100	102	80-120
Silver, Total Recoverable	6020	26.7	25.0	107	80-120
Thallium, Total Recoverable	6020	10.2	10.0	102	80-120
Vanadium, Total Recoverable	6020	102	100	102	80-120
Zinc, Total Recoverable	6020	258	250	103	80-120

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

Service Request:J1302513
Date Analyzed:5/10/13

Lab Control Sample Summary
Inorganic Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302513-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	26.0	25.0	104	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project	JED SWDF	**Date Collected:**	05/07/13
Sample Matrix:	Water	**Date Received:**	05/08/13
		Date Analyzed:	05/08/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-13A	**Units:**	mg/L
Lab Code:	J1302513-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302513-001DUP Result	Average	RPD	RPD Limit
Chloride	300.0	0.50	0.11	26.8	26.8	26.8	<1	20
Nitrate as Nitrogen	300.0	0.20	0.03	0.03	0.03	NC	NC	20

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

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

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

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project	JED SWDF	**Date Collected:**	05/07/13
Sample Matrix:	Water	**Date Received:**	05/08/13
		Date Analyzed:	05/13/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-13A	**Units:**	ug/L
Lab Code:	J1302513-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302513-001DUP Result	Average	RPD	RPD Limit
Phenolics, Total Recoverable	420.4	50	5	36	31	33.5	13	20

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

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

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

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302513
Project	JED SWDF	**Date Collected:**	05/07/13
Sample Matrix:	Water	**Date Received:**	05/08/13
		Date Analyzed:	05/13/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-8B	**Units:**	mg/L
Lab Code:	J1302513-009	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302513-009DUP Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	10	116	118	117	2	20

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

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

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

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

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

Service Request:J1302513
Date Collected:05/07/13
Date Received:05/08/13
Date Analyzed:5/8/13

Matrix Spike Summary
Chloride

Sample Name: MW-13A
Lab Code: J1302513-001

Units:mg/L
Basis:NA

Matrix Spike
J1302513-001MS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	26.8	77.4	50.0	101	90-110
Nitrate as Nitrogen	300.0	0.03	4.75	5.00	95	90-110

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

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

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

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

Service Request:J1302513
Date Collected:05/07/13
Date Received:05/08/13
Date Analyzed:5/13/13

Matrix Spike Summary
Phenolics, Total Recoverable

Sample Name: MW-13A
Lab Code: J1302513-001

Units:ug/L
Basis:NA

Matrix Spike
J1302513-001MS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	420.4	36	928	1000	89 *	90-110

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

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

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302513
Project: JED SWDF **Date Analyzed:**05/08/13 - 05/10/13
Sample Matrix: Water

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302513-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.991	1.00	99	90-110
Chloride	300.0	50.5	50.0	101	90-110
Nitrate as Nitrogen	300.0	5.10	5.00	102	90-110
Solids, Total Dissolved	SM 2540 C	304	300	101	85-115

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

Service Request:J1302513
Date Analyzed:5/13/13

Lab Control Sample Summary
General Chemistry Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302513-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	420.4	960	1000	96	90-110

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

Service Request:J1302513
Date Analyzed:5/15/13

Lab Control Sample Summary
General Chemistry Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302513-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	420.4	914	1000	91	90-110

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

Service Request:J1302513
Date Analyzed:5/13/13

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302513-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Solids, Total Dissolved	SM 2540 C	300	300	100	85-115

ALS Environmental

Cooler Receipt Form

Client: NSF Service Request #: 513025l3

Project: JED SNDF

Cooler received on 5/8/13 and opened on 5/8/13 by JA

COURIER: ALS UPS (FEDEX) Client Other _____ Airbill # 8024 7811 1827

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)	2.3	1.1						
5	Thermometer ID	T81	T81						
6	Temperature Blank Present?	(Yes)	No						
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No					
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A					
9	Type of packing material present	Netting	Vial Holder	(Bubble Wrap)					
		Paper	Styrofoam	Other	N/A				
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A					
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A					
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A					
13	~~Were all of the~~ preserved bottles received with the appropriate preservative?	(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:

2 out of 6 vials in sample MW11A contain head space

1 out of 6 vials in sample MW11B contains head space

Client approval to run samples if discrepancies noted: Date:

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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PAGE 1 OF 1

SR#

CAS Contract J1302513

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsii.us
Company/Address: WSI 11500 43rd St. N. Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 0 3 2 0 3

J1302513 5

Waste Services of Florida, Inc.
JED SWDF

Key
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH3	Metals	TDS, Cl, NO3	Total Phenols	REMARKS/ ALTERNATE DESCRIPTION
MW-13A		5-7-13	0745	GW	10	3	3	1	1	1	1	
MW-13B			0710									
MW-12A			0845									
MW-12B			0910									
MW-11A			1045									
MW-11B		5-7-13	1015	GW	10	3	3	1	1	1	1	
Trip Blank-1		5-2-13	0800	DI H2O	1	1						

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 13127-JED1

See QAPP ☐

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

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

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature: Fed Ex	Signature: Fed Ex	Signature: Mauricio Alvarez	Signature:	Signature:
Printed Name: Joe Terry	Printed Name:	Printed Name:	Printed Name: Mauricio Alvarez	Printed Name:	Printed Name:
Firm: WSI	Firm:	Firm:	Firm: ALS	Firm:	Firm:
Date/Time: 5-7-13/1710	Date/Time: 5/7/13 1710	Date/Time: 5/8/13 9:05	Date/Time: 5/8/13 9:05	Date/Time:	Date/Time:

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

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 1 OF 1

SR# J1302513
CAS Contract

J1302513 5
Waste Services of Florida, Inc.
JED SWDF

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsii.us
Company/Address: WSI, 11500 43rd St. N., Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: [signature]	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Numb

Preservatives: 1. HCL 2. HNO_3 3. H_2SO_4 4. NaOH 5. Zn. Acetate 6. MeOH 7. $NaHSO_4$ 8. Other ______

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260 (Pres. 1)	8011 (Pres. 0)	NH_3 (Pres. 3)	Metals (Pres. 2)	TDS, Cl, NO_3 (Pres. 0)	Total Phenols (Pres. 3)	REMARKS/ ALTERNATE DESCRIPTION
MW-8A		5-7-13	1545	GW	10	3	3	1	1	1	1	
MW-8B		↓	1510	↓	↓	↓	↓	↓	↓	↓	↓	
MW-9A		↓	1410	↓	↓	↓	↓	↓	↓	↓	↓	
MW-9B		↓	1345	↓	↓	↓	↓	↓	↓	↓	↓	
MW-10A		↓	1235	↓	↓	↓	↓	↓	↓	↓	↓	
MW-10B		5-7-13	1205	GW	10	3	3	1	1	1	1	
Trip Blank-2		5-2-13	0830	DI H_2O	1	1						

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 13127-JED2

See QAPP ☐

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

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

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	[signature]	Fed Ex	Fed Ex	[signature]		
Printed Name	Joe Terry			[illegible]		
Firm	WSI			ALS		
Date/Time	5-7-13 / 1710	5/7/13 1710	5/8/13 9:05	5/8/13 9:05		

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

May 28, 2013 Service Request No:J1302541

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

Laboratory Results for: JED SWDF

Dear Kirk,

Enclosed are the results of the sample(s) submitted to our laboratory May 09, 2013
For your reference, these analyses have been assigned our service request number **J1302541.**

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 Columbia Analytical Services, Inc. (CAS) 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: Waste Services of Florida, Inc.
Project: JED SWDF
Sample Matrix: Water

Service Request: J1302541
Date Received: 5/9/13

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

Thirteen water samples and two trip blanks were received for analysis at ALS Environmental on 5/9/13. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at ≤6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

No significant data anomalies were noted with this analysis.

Semi-Volatile Organic Analyses:

Method 8011: The control criterion was exceeded for the following surrogate in samples J1302541-003, JQ1303517-03 (MS), and JQ1303517-004 (DMS) due to matrix interference: 1,1,1,2-Tetrachloroethane. The matrix spike and duplicate matrix spike confirmed the matrix interference. No further corrective action was required.

Method 8011: The control criterion was exceeded for the following surrogate in sample J1302541-005 due to suspected matrix interferences 1,1,1,2-Tetrachloroethane. A medium emulsion was generated during the extraction of this sample, which may have contributed to its poor surrogate recovery. No further corrective action was appropriate.

Metals Analyses:

No significant data anomalies were noted with this analysis.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

Approved by _____ Date 5/28/2013

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Florida Department of Health	E82502	6/30/2013
North Carolina Department of Environment and Natural Resources	527	12/31/2013
Virginia Environmental Accreditation Program	460191	12/14/2013
Louisiana Department of Environmental Quality	02086	6/30/2013
Georgia Department of Natural Resources	958	6/30/2013
Kentucky Division of Waste Management	63	7/5/2013
South Carolina Department of Health and Environmental Control	96021001	6/30/2013
Texas Commision on Environmental Quality	T104704197-09-TX	5/31/2013
Maine Department of Health and Human Services	2011006	2/3/2015
Department of Defense	66206	5/31/2013
Pennsylvania Department of Environmental Protection	68-04835	8/31/2013

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 determininations
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

Acronyms

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302541
Project: JED SWDF

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1302541-001	MW-7A	5/8/2013	0735
J1302541-002	MW-7B	5/8/2013	0700
J1302541-003	MW-6A	5/8/2013	0925
J1302541-004	MW-6B	5/8/2013	0855
J1302541-005	MW-5A	5/8/2013	1105
J1302541-006	MW-5B	5/8/2013	1035
J1302541-007	Equipment Blank-1	5/8/2013	0800
J1302541-008	Trip Blank-3	5/8/2013	0000
J1302541-009	MW-2A	5/8/2013	1555
J1302541-010	MW-2B	5/8/2013	1525
J1302541-011	MW-3A	5/8/2013	1430
J1302541-012	MW-3B	5/8/2013	1405
J1302541-013	MW-4A	5/8/2013	1225
J1302541-014	MW-4B	5/8/2013	1300
J1302541-015	Trip Blank-4	5/8/2013	0000

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7A	**Units:**	ug/L
Lab Code:	J1302541-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 03:17	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 03:17	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 03:17	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 03:17	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 03:17	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 03:17	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 03:17	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 03:17	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 03:17	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 03:17	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 03:17	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 03:17	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 03:17	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 03:17	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 03:17	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 03:17	
Acetone	5.6 U	50	5.6	1	05/11/13 03:17	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 03:17	
Benzene	0.21 U	1.0	0.21	1	05/11/13 03:17	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 03:17	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 03:17	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 03:17	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 03:17	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 03:17	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 03:17	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 03:17	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 03:17	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 03:17	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 03:17	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 03:17	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 03:17	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 03:17	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 03:17	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 03:17	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 03:17	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 03:17	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 03:17	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 03:17	
Styrene	0.29 U	1.0	0.29	1	05/11/13 03:17	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 03:17	
Toluene	0.19 U	1.0	0.19	1	05/11/13 03:17	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 03:17	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 03:17	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7A	**Units:**	ug/L
Lab Code:	J1302541-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 03:17	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 03:17	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 03:17	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 03:17	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 03:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	93	72 - 121	05/11/13 03:17	
4-Bromofluorobenzene	105	86 - 113	05/11/13 03:17	
Dibromofluoromethane	98	86 - 112	05/11/13 03:17	
Toluene-d8	102	88 - 115	05/11/13 03:17	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7A	**Units:**	ug/L
Lab Code:	J1302541-001	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.0201	0.00703	1	05/21/13 00:45	5/20/13	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	05/21/13 00:45	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	90	70 - 130	05/21/13 00:45	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7A	**Basis:**	NA
Lab Code:	J1302541-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:06	5/9/13	
Arsenic, Total Recoverable	6020	**1.3**		ug/L	1.0	0.5	1	05/10/13 19:06	5/9/13	
Barium, Total Recoverable	6020	**31.1**		ug/L	2.0	0.5	1	05/10/13 19:06	5/9/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/10/13 19:06	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 19:06	5/9/13	
Chromium, Total Recoverable	6020	**0.5**	**I**	ug/L	1.0	0.2	1	05/10/13 19:06	5/9/13	
Cobalt, Total Recoverable	6020	**2.4**		ug/L	1.0	0.03	1	05/10/13 19:06	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 19:06	5/9/13	
Iron, Total Recoverable	6010B	**19800**		ug/L	100	3	1	05/10/13 22:25	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 19:06	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 14:43	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 19:06	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 19:06	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 19:06	5/9/13	
Sodium, Total Recoverable	6010B	**21.8**		mg/L	0.50	0.03	1	05/10/13 22:25	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 19:06	5/9/13	
Vanadium, Total Recoverable	6020	**2.0**		ug/L	2.0	0.3	1	05/10/13 19:06	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 19:06	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7A	**Basis:**	NA
Lab Code:	J1302541-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**5.15**		mg/L	0.010	0.007	1	05/10/13 12:40	NA	
Chloride	300.0	**33.7**		mg/L	0.50	0.11	1	05/09/13 16:08	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 16:08	NA	
Phenolics, Total Recoverable	420.4	**22**	**IV**	ug/L	50	5	1	05/15/13 09:02	5/14/13	
Solids, Total Dissolved	SM 2540 C	**266**		mg/L	10	10	1	05/13/13 12:50	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7B	**Units:**	ug/L
Lab Code:	J1302541-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 03:47	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 03:47	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 03:47	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 03:47	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 03:47	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 03:47	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 03:47	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 03:47	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 03:47	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 03:47	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 03:47	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 03:47	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 03:47	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 03:47	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 03:47	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 03:47	
Acetone	5.6 U	50	5.6	1	05/11/13 03:47	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 03:47	
Benzene	0.21 U	1.0	0.21	1	05/11/13 03:47	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 03:47	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 03:47	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 03:47	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 03:47	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 03:47	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 03:47	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 03:47	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 03:47	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 03:47	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 03:47	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 03:47	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 03:47	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 03:47	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 03:47	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 03:47	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 03:47	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 03:47	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 03:47	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 03:47	
Styrene	0.29 U	1.0	0.29	1	05/11/13 03:47	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 03:47	
Toluene	0.19 U	1.0	0.19	1	05/11/13 03:47	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 03:47	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 03:47	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7B	**Units:**	ug/L
Lab Code:	J1302541-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 03:47	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 03:47	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 03:47	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 03:47	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 03:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	92	72 - 121	05/11/13 03:47	
4-Bromofluorobenzene	103	86 - 113	05/11/13 03:47	
Dibromofluoromethane	96	86 - 112	05/11/13 03:47	
Toluene-d8	103	88 - 115	05/11/13 03:47	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7B	**Units:**	ug/L
Lab Code:	J1302541-002	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.0201	0.00705	1	05/21/13 01:06	5/20/13	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	05/21/13 01:06	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	95	70 - 130	05/21/13 01:06	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7B	**Basis:**	NA
Lab Code:	J1302541-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:11	5/9/13	
Arsenic, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.5	1	05/10/13 19:11	5/9/13	
Barium, Total Recoverable	6020	**210**		ug/L	2.0	0.5	1	05/10/13 19:11	5/9/13	
Beryllium, Total Recoverable	6020	**0.14**	**I**	ug/L	0.50	0.04	1	05/10/13 19:11	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 19:11	5/9/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:11	5/9/13	
Cobalt, Total Recoverable	6020	**1.5**		ug/L	1.0	0.03	1	05/10/13 19:11	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 19:11	5/9/13	
Iron, Total Recoverable	6010B	**8560**		ug/L	100	3	1	05/10/13 22:29	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 19:11	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 14:44	5/9/13	
Nickel, Total Recoverable	6020	**1.2**	**I**	ug/L	2.0	0.5	1	05/10/13 19:11	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 19:11	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 19:11	5/9/13	
Sodium, Total Recoverable	6010B	**35.0**		mg/L	0.50	0.03	1	05/10/13 22:29	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 19:11	5/9/13	
Vanadium, Total Recoverable	6020	**1.0**	**I**	ug/L	2.0	0.3	1	05/10/13 19:11	5/9/13	
Zinc, Total Recoverable	6020	**1.9**	**I**	ug/L	5.0	1.6	1	05/10/13 19:11	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 07:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-7B	**Basis:**	NA
Lab Code:	J1302541-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.317**		mg/L	0.010	0.007	1	05/10/13 12:42	NA	
Chloride	300.0	**64.8**		mg/L	0.50	0.11	1	05/09/13 17:04	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 17:04	NA	
Phenolics, Total Recoverable	420.4	**16**	**IV**	ug/L	50	5	1	05/15/13 09:02	5/14/13	
Solids, Total Dissolved	SM 2540 C	**247**		mg/L	10	10	1	05/13/13 12:50	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 09:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6A	**Units:**	ug/L
Lab Code:	J1302541-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 04:16	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 04:16	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 04:16	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 04:16	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 04:16	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 04:16	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 04:16	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 04:16	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 04:16	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 04:16	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 04:16	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 04:16	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 04:16	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 04:16	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 04:16	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 04:16	
Acetone	5.6 U	50	5.6	1	05/11/13 04:16	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 04:16	
Benzene	**3.1**	1.0	0.21	1	05/11/13 04:16	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 04:16	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 04:16	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 04:16	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 04:16	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 04:16	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 04:16	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 04:16	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 04:16	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 04:16	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 04:16	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 04:16	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 04:16	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 04:16	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 04:16	
Ethylbenzene	**0.26 I**	1.0	0.21	1	05/11/13 04:16	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 04:16	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 04:16	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 04:16	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 04:16	
Styrene	0.29 U	1.0	0.29	1	05/11/13 04:16	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 04:16	
Toluene	0.19 U	1.0	0.19	1	05/11/13 04:16	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 04:16	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 04:16	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 09:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6A	**Units:**	ug/L
Lab Code:	J1302541-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 04:16	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 04:16	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 04:16	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 04:16	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 04:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	90	72 - 121	05/11/13 04:16	
4-Bromofluorobenzene	104	86 - 113	05/11/13 04:16	
Dibromofluoromethane	98	86 - 112	05/11/13 04:16	
Toluene-d8	103	88 - 115	05/11/13 04:16	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 09:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6A	**Units:**	ug/L
Lab Code:	J1302541-003	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/21/13 12:12	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/21/13 12:12	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	69	70 - 130	05/21/13 12:12	*

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 09:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6A	**Basis:**	NA
Lab Code:	J1302541-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:16	5/9/13	
Arsenic, Total Recoverable	6020	**1.9**		ug/L	1.0	0.5	1	05/10/13 19:16	5/9/13	
Barium, Total Recoverable	6020	**6.1**		ug/L	2.0	0.5	1	05/10/13 19:16	5/9/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/10/13 19:16	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 19:16	5/9/13	
Chromium, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.2	1	05/10/13 19:16	5/9/13	
Cobalt, Total Recoverable	6020	**0.9**	**I**	ug/L	1.0	0.03	1	05/10/13 19:16	5/9/13	
Copper, Total Recoverable	6020	**0.6**	**I**	ug/L	1.0	0.3	1	05/10/13 19:16	5/9/13	
Iron, Total Recoverable	6010B	**40200**		ug/L	100	3	1	05/10/13 22:33	5/9/13	
Lead, Total Recoverable	6020	**0.32**	**I**	ug/L	0.50	0.12	1	05/10/13 19:16	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 14:46	5/9/13	
Nickel, Total Recoverable	6020	**0.6**	**I**	ug/L	2.0	0.5	1	05/10/13 19:16	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 19:16	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 19:16	5/9/13	
Sodium, Total Recoverable	6010B	**55.1**		mg/L	0.50	0.03	1	05/10/13 22:33	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 19:16	5/9/13	
Vanadium, Total Recoverable	6020	**2.8**		ug/L	2.0	0.3	1	05/10/13 19:16	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 19:16	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 09:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6A	**Basis:**	NA
Lab Code:	J1302541-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**4.88**		mg/L	0.010	0.007	1	05/10/13 12:43	NA	
Chloride	300.0	**111**		mg/L	0.50	0.11	1	05/09/13 17:22	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 17:22	NA	
Phenolics, Total Recoverable	420.4	**15**	**IV**	ug/L	50	5	1	05/15/13 09:03	5/14/13	
Solids, Total Dissolved	SM 2540 C	**271**		mg/L	10	10	1	05/13/13 12:50	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6B	**Units:**	ug/L
Lab Code:	J1302541-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 04:46	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 04:46	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 04:46	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 04:46	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 04:46	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 04:46	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 04:46	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 04:46	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 04:46	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 04:46	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 04:46	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 04:46	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 04:46	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 04:46	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 04:46	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 04:46	
Acetone	5.6 U	50	5.6	1	05/11/13 04:46	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 04:46	
Benzene	0.21 U	1.0	0.21	1	05/11/13 04:46	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 04:46	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 04:46	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 04:46	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 04:46	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 04:46	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 04:46	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 04:46	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 04:46	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 04:46	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 04:46	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 04:46	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 04:46	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 04:46	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 04:46	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 04:46	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 04:46	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 04:46	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 04:46	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 04:46	
Styrene	0.29 U	1.0	0.29	1	05/11/13 04:46	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 04:46	
Toluene	0.19 U	1.0	0.19	1	05/11/13 04:46	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 04:46	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 04:46	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6B	**Units:**	ug/L
Lab Code:	J1302541-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 04:46	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 04:46	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 04:46	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 04:46	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 04:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	90	72 - 121	05/11/13 04:46	
4-Bromofluorobenzene	106	86 - 113	05/11/13 04:46	
Dibromofluoromethane	96	86 - 112	05/11/13 04:46	
Toluene-d8	102	88 - 115	05/11/13 04:46	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6B	**Units:**	ug/L
Lab Code:	J1302541-004	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/21/13 13:16	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/21/13 13:16	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	83	70 - 130	05/21/13 13:16	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6B	**Basis:**	NA
Lab Code:	J1302541-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 19:21	5/9/13	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/10/13 19:21	5/9/13	
Barium, Total Recoverable	6020	**26.1**	ug/L	2.0	0.5	1	05/10/13 19:21	5/9/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/10/13 19:21	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 19:21	5/9/13	
Chromium, Total Recoverable	6020	**0.4 I**	ug/L	1.0	0.2	1	05/10/13 19:21	5/9/13	
Cobalt, Total Recoverable	6020	**0.2 I**	ug/L	1.0	0.03	1	05/10/13 19:21	5/9/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/10/13 19:21	5/9/13	
Iron, Total Recoverable	6010B	**1220**	ug/L	100	3	1	05/10/13 22:37	5/9/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/10/13 19:21	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 14:47	5/9/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/10/13 19:21	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 19:21	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 19:21	5/9/13	
Sodium, Total Recoverable	6010B	**9.08**	mg/L	0.50	0.03	1	05/10/13 22:37	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 19:21	5/9/13	
Vanadium, Total Recoverable	6020	**1.0 I**	ug/L	2.0	0.3	1	05/10/13 19:21	5/9/13	
Zinc, Total Recoverable	6020	**2.0 I**	ug/L	5.0	1.6	1	05/10/13 19:21	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-6B	**Basis:**	NA
Lab Code:	J1302541-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.192**		mg/L	0.010	0.007	1	05/10/13 12:51	NA	
Chloride	300.0	**17.3**		mg/L	0.50	0.11	1	05/09/13 17:45	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 17:45	NA	
Phenolics, Total Recoverable	420.4	**14**	**IV**	ug/L	50	5	1	05/15/13 09:03	5/14/13	
Solids, Total Dissolved	SM 2540 C	**58**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 11:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5A	**Units:**	ug/L
Lab Code:	J1302541-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 05:15	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 05:15	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 05:15	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 05:15	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 05:15	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 05:15	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 05:15	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 05:15	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 05:15	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 05:15	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 05:15	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 05:15	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 05:15	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 05:15	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 05:15	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 05:15	
Acetone	5.6 U	50	5.6	1	05/11/13 05:15	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 05:15	
Benzene	**2.0**	1.0	0.21	1	05/11/13 05:15	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 05:15	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 05:15	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 05:15	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 05:15	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 05:15	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 05:15	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 05:15	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 05:15	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 05:15	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 05:15	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 05:15	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 05:15	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 05:15	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 05:15	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 05:15	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 05:15	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 05:15	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 05:15	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 05:15	
Styrene	0.29 U	1.0	0.29	1	05/11/13 05:15	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 05:15	
Toluene	0.19 U	1.0	0.19	1	05/11/13 05:15	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 05:15	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 05:15	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 11:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5A	**Units:**	ug/L
Lab Code:	J1302541-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 05:15	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 05:15	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 05:15	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 05:15	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 05:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	90	72 - 121	05/11/13 05:15	
4-Bromofluorobenzene	105	86 - 113	05/11/13 05:15	
Dibromofluoromethane	97	86 - 112	05/11/13 05:15	
Toluene-d8	104	88 - 115	05/11/13 05:15	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 11:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5A	**Units:**	ug/L
Lab Code:	J1302541-005	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/21/13 13:38	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/21/13 13:38	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	67	70 - 130	05/21/13 13:38	*

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 11:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5A	**Basis:**	NA
Lab Code:	J1302541-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 19:26	5/9/13	
Arsenic, Total Recoverable	6020	**1.2**	ug/L	1.0	0.5	1	05/10/13 19:26	5/9/13	
Barium, Total Recoverable	6020	**34.7**	ug/L	2.0	0.5	1	05/10/13 19:26	5/9/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/10/13 19:26	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 19:26	5/9/13	
Chromium, Total Recoverable	6020	**0.8 I**	ug/L	1.0	0.2	1	05/10/13 19:26	5/9/13	
Cobalt, Total Recoverable	6020	**0.9 I**	ug/L	1.0	0.03	1	05/10/13 19:26	5/9/13	
Copper, Total Recoverable	6020	**0.3 I**	ug/L	1.0	0.3	1	05/10/13 19:26	5/9/13	
Iron, Total Recoverable	6010B	**2380**	ug/L	100	3	1	05/10/13 22:41	5/9/13	
Lead, Total Recoverable	6020	**1.15**	ug/L	0.50	0.12	1	05/10/13 19:26	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 14:48	5/9/13	
Nickel, Total Recoverable	6020	**1.6 I**	ug/L	2.0	0.5	1	05/10/13 19:26	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 19:26	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 19:26	5/9/13	
Sodium, Total Recoverable	6010B	**27.0**	mg/L	0.50	0.03	1	05/10/13 22:41	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 19:26	5/9/13	
Vanadium, Total Recoverable	6020	**1.5 I**	ug/L	2.0	0.3	1	05/10/13 19:26	5/9/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/10/13 19:26	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 11:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5A	**Basis:**	NA
Lab Code:	J1302541-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**7.79**		mg/L	0.010	0.007	1	05/10/13 12:54	NA	
Chloride	300.0	**65.9**		mg/L	0.50	0.11	1	05/09/13 18:03	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 18:03	NA	
Phenolics, Total Recoverable	420.4	**23**	**IV**	ug/L	50	5	1	05/15/13 09:04	5/14/13	
Solids, Total Dissolved	SM 2540 C	**490**		mg/L	10	10	1	05/13/13 12:50	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 10:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5B	**Units:**	ug/L
Lab Code:	J1302541-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 05:45	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 05:45	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 05:45	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 05:45	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 05:45	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 05:45	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 05:45	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 05:45	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 05:45	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 05:45	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 05:45	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 05:45	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 05:45	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 05:45	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 05:45	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 05:45	
Acetone	5.6 U	50	5.6	1	05/11/13 05:45	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 05:45	
Benzene	0.21 U	1.0	0.21	1	05/11/13 05:45	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 05:45	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 05:45	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 05:45	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 05:45	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 05:45	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 05:45	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 05:45	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 05:45	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 05:45	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 05:45	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 05:45	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 05:45	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 05:45	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 05:45	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 05:45	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 05:45	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 05:45	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 05:45	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 05:45	
Styrene	0.29 U	1.0	0.29	1	05/11/13 05:45	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 05:45	
Toluene	0.19 U	1.0	0.19	1	05/11/13 05:45	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 05:45	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 05:45	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 10:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5B	**Units:**	ug/L
Lab Code:	J1302541-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 05:45	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 05:45	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 05:45	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 05:45	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 05:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	72 - 121	05/11/13 05:45	
4-Bromofluorobenzene	104	86 - 113	05/11/13 05:45	
Dibromofluoromethane	98	86 - 112	05/11/13 05:45	
Toluene-d8	104	88 - 115	05/11/13 05:45	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 10:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5B	**Units:**	ug/L
Lab Code:	J1302541-006	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00709 U	0.0202	0.00709	1	05/21/13 13:59	5/21/13	
1,2-Dibromoethane (EDB)	0.00709 U	0.0202	0.00709	1	05/21/13 13:59	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	71	70 - 130	05/21/13 13:59	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 10:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5B	**Basis:**	NA
Lab Code:	J1302541-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:31	5/9/13	
Arsenic, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.5	1	05/10/13 19:31	5/9/13	
Barium, Total Recoverable	6020	**77.6**		ug/L	2.0	0.5	1	05/10/13 19:31	5/9/13	
Beryllium, Total Recoverable	6020	**0.39**	**I**	ug/L	0.50	0.04	1	05/10/13 19:31	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 19:31	5/9/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:31	5/9/13	
Cobalt, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.03	1	05/10/13 19:31	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 19:31	5/9/13	
Iron, Total Recoverable	6010B	**1740**		ug/L	100	3	1	05/10/13 22:45	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 19:31	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 14:50	5/9/13	
Nickel, Total Recoverable	6020	**0.8**	**I**	ug/L	2.0	0.5	1	05/10/13 19:31	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 19:31	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 19:31	5/9/13	
Sodium, Total Recoverable	6010B	**20.7**		mg/L	0.50	0.03	1	05/10/13 22:45	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 19:31	5/9/13	
Vanadium, Total Recoverable	6020	**1.4**	**I**	ug/L	2.0	0.3	1	05/10/13 19:31	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 19:31	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 10:35
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-5B	**Basis:**	NA
Lab Code:	J1302541-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.471**		mg/L	0.010	0.007	1	05/10/13 12:54	NA	
Chloride	300.0	**66.4**		mg/L	0.50	0.11	1	05/09/13 18:57	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 18:57	NA	
Phenolics, Total Recoverable	420.4	**23**	**IV**	ug/L	50	5	1	05/15/13 09:05	5/14/13	
Solids, Total Dissolved	SM 2540 C	**126**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Equipment Blank-1	**Units:**	ug/L
Lab Code:	J1302541-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 02:48	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 02:48	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 02:48	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 02:48	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 02:48	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 02:48	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 02:48	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 02:48	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 02:48	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 02:48	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 02:48	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 02:48	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 02:48	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 02:48	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 02:48	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 02:48	
Acetone	5.6 U	50	5.6	1	05/11/13 02:48	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 02:48	
Benzene	0.21 U	1.0	0.21	1	05/11/13 02:48	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 02:48	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 02:48	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 02:48	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 02:48	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 02:48	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 02:48	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 02:48	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 02:48	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 02:48	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 02:48	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 02:48	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 02:48	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 02:48	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 02:48	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 02:48	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 02:48	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 02:48	
Methylene Chloride	**4.0 I**	5.0	0.21	1	05/11/13 02:48	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 02:48	
Styrene	0.29 U	1.0	0.29	1	05/11/13 02:48	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 02:48	
Toluene	0.19 U	1.0	0.19	1	05/11/13 02:48	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 02:48	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 02:48	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Equipment Blank-1	**Units:**	ug/L
Lab Code:	J1302541-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 02:48	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 02:48	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 02:48	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 02:48	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 02:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	72 - 121	05/11/13 02:48	
4-Bromofluorobenzene	105	86 - 113	05/11/13 02:48	
Dibromofluoromethane	95	86 - 112	05/11/13 02:48	
Toluene-d8	105	88 - 115	05/11/13 02:48	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Equipment Blank-1	**Units:**	ug/L
Lab Code:	J1302541-007	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.0201	0.00703	1	05/21/13 14:21	5/21/13	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	05/21/13 14:21	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	88	70 - 130	05/21/13 14:21	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Equipment Blank-1	**Basis:**	NA
Lab Code:	J1302541-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:36	5/9/13	
Arsenic, Total Recoverable	6020	**0.5**	**I**	ug/L	1.0	0.5	1	05/10/13 19:36	5/9/13	
Barium, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 19:36	5/9/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/10/13 19:36	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 19:36	5/9/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:36	5/9/13	
Cobalt, Total Recoverable	6020	0.03	U	ug/L	1.0	0.03	1	05/10/13 19:36	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 19:36	5/9/13	
Iron, Total Recoverable	6010B	**3**	**I**	ug/L	100	3	1	05/10/13 22:50	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 19:36	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 14:51	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 19:36	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 19:36	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 19:36	5/9/13	
Sodium, Total Recoverable	6010B	0.03	U	mg/L	0.50	0.03	1	05/10/13 22:50	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 19:36	5/9/13	
Vanadium, Total Recoverable	6020	0.3	U	ug/L	2.0	0.3	1	05/10/13 19:36	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 19:36	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 08:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Equipment Blank-1	**Basis:**	NA
Lab Code:	J1302541-007		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.007	U	mg/L	0.010	0.007	1	05/10/13 12:55	NA	
Chloride	300.0	0.11	U	mg/L	0.50	0.11	1	05/09/13 19:15	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 19:15	NA	
Phenolics, Total Recoverable	420.4	**17**	**IV**	ug/L	50	5	1	05/15/13 09:08	5/14/13	
Solids, Total Dissolved	SM 2540 C	20	U	mg/L	20	20	2	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 00:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Trip Blank-3	**Units:**	ug/L
Lab Code:	J1302541-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 02:18	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 02:18	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 02:18	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 02:18	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 02:18	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 02:18	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 02:18	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 02:18	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 02:18	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 02:18	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 02:18	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 02:18	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 02:18	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 02:18	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 02:18	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 02:18	
Acetone	5.6 U	50	5.6	1	05/11/13 02:18	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 02:18	
Benzene	0.21 U	1.0	0.21	1	05/11/13 02:18	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 02:18	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 02:18	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 02:18	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 02:18	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 02:18	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 02:18	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 02:18	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 02:18	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 02:18	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 02:18	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 02:18	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 02:18	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 02:18	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 02:18	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 02:18	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 02:18	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 02:18	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 02:18	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 02:18	
Styrene	0.29 U	1.0	0.29	1	05/11/13 02:18	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 02:18	
Toluene	0.19 U	1.0	0.19	1	05/11/13 02:18	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 02:18	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 02:18	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 00:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Trip Blank-3	**Units:**	ug/L
Lab Code:	J1302541-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 02:18	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 02:18	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 02:18	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 02:18	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 02:18	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	93	72 - 121	05/11/13 02:18	
4-Bromofluorobenzene	104	86 - 113	05/11/13 02:18	
Dibromofluoromethane	95	86 - 112	05/11/13 02:18	
Toluene-d8	103	88 - 115	05/11/13 02:18	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2A	**Units:**	ug/L
Lab Code:	J1302541-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 06:14	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 06:14	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 06:14	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 06:14	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 06:14	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 06:14	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 06:14	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 06:14	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 06:14	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 06:14	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 06:14	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 06:14	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 06:14	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 06:14	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 06:14	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 06:14	
Acetone	5.6 U	50	5.6	1	05/11/13 06:14	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 06:14	
Benzene	0.21 U	1.0	0.21	1	05/11/13 06:14	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 06:14	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 06:14	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 06:14	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 06:14	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 06:14	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 06:14	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 06:14	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 06:14	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 06:14	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 06:14	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 06:14	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 06:14	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 06:14	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 06:14	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 06:14	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 06:14	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 06:14	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 06:14	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 06:14	
Styrene	0.29 U	1.0	0.29	1	05/11/13 06:14	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 06:14	
Toluene	0.19 U	1.0	0.19	1	05/11/13 06:14	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 06:14	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 06:14	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2A	**Units:**	ug/L
Lab Code:	J1302541-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 06:14	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 06:14	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 06:14	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 06:14	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 06:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	72 - 121	05/11/13 06:14	
4-Bromofluorobenzene	104	86 - 113	05/11/13 06:14	
Dibromofluoromethane	97	86 - 112	05/11/13 06:14	
Toluene-d8	105	88 - 115	05/11/13 06:14	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2A	**Units:**	ug/L
Lab Code:	J1302541-009	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/21/13 14:42	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/21/13 14:42	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	80	70 - 130	05/21/13 14:42	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2A	**Basis:**	NA
Lab Code:	J1302541-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 19:51	5/9/13	
Arsenic, Total Recoverable	6020	**1.4**	ug/L	1.0	0.5	1	05/10/13 19:51	5/9/13	
Barium, Total Recoverable	6020	**12.0**	ug/L	2.0	0.5	1	05/10/13 19:51	5/9/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/10/13 19:51	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 19:51	5/9/13	
Chromium, Total Recoverable	6020	**1.8**	ug/L	1.0	0.2	1	05/10/13 19:51	5/9/13	
Cobalt, Total Recoverable	6020	**2.2**	ug/L	1.0	0.03	1	05/10/13 19:51	5/9/13	
Copper, Total Recoverable	6020	**0.4 I**	ug/L	1.0	0.3	1	05/10/13 19:51	5/9/13	
Iron, Total Recoverable	6010B	**22800**	ug/L	100	3	1	05/10/13 22:54	5/9/13	
Lead, Total Recoverable	6020	**0.19 I**	ug/L	0.50	0.12	1	05/10/13 19:51	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 14:56	5/9/13	
Nickel, Total Recoverable	6020	**0.6 I**	ug/L	2.0	0.5	1	05/10/13 19:51	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 19:51	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 19:51	5/9/13	
Sodium, Total Recoverable	6010B	**19.7**	mg/L	0.50	0.03	1	05/10/13 22:54	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 19:51	5/9/13	
Vanadium, Total Recoverable	6020	**1.8 I**	ug/L	2.0	0.3	1	05/10/13 19:51	5/9/13	
Zinc, Total Recoverable	6020	**2.6 I**	ug/L	5.0	1.6	1	05/10/13 19:51	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:55
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2A	**Basis:**	NA
Lab Code:	J1302541-009		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.711**		mg/L	0.010	0.007	1	05/10/13 12:56	NA	
Chloride	300.0	**25.9**		mg/L	0.50	0.11	1	05/09/13 19:33	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 19:33	NA	
Phenolics, Total Recoverable	420.4	**18**	**IV**	ug/L	50	5	1	05/15/13 09:09	5/14/13	
Solids, Total Dissolved	SM 2540 C	**145**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2B	**Units:**	ug/L
Lab Code:	J1302541-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 06:45	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 06:45	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 06:45	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 06:45	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 06:45	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 06:45	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 06:45	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 06:45	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 06:45	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 06:45	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 06:45	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 06:45	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 06:45	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 06:45	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 06:45	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 06:45	
Acetone	5.6 U	50	5.6	1	05/11/13 06:45	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 06:45	
Benzene	0.21 U	1.0	0.21	1	05/11/13 06:45	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 06:45	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 06:45	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 06:45	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 06:45	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 06:45	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 06:45	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 06:45	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 06:45	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 06:45	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 06:45	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 06:45	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 06:45	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 06:45	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 06:45	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 06:45	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 06:45	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 06:45	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 06:45	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 06:45	
Styrene	0.29 U	1.0	0.29	1	05/11/13 06:45	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 06:45	
Toluene	0.19 U	1.0	0.19	1	05/11/13 06:45	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 06:45	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 06:45	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2B	**Units:**	ug/L
Lab Code:	J1302541-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 06:45	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 06:45	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 06:45	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 06:45	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 06:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	72 - 121	05/11/13 06:45	
4-Bromofluorobenzene	103	86 - 113	05/11/13 06:45	
Dibromofluoromethane	95	86 - 112	05/11/13 06:45	
Toluene-d8	101	88 - 115	05/11/13 06:45	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2B	**Units:**	ug/L
Lab Code:	J1302541-010	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/21/13 15:25	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/21/13 15:25	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	74	70 - 130	05/21/13 15:25	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2B	**Basis:**	NA
Lab Code:	J1302541-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:56	5/9/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/10/13 19:56	5/9/13	
Barium, Total Recoverable	6020	**8.1**		ug/L	2.0	0.5	1	05/10/13 19:56	5/9/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/10/13 19:56	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 19:56	5/9/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 19:56	5/9/13	
Cobalt, Total Recoverable	6020	**0.2**	**I**	ug/L	1.0	0.03	1	05/10/13 19:56	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 19:56	5/9/13	
Iron, Total Recoverable	6010B	**730**		ug/L	100	3	1	05/10/13 22:59	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 19:56	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 14:57	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 19:56	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 19:56	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 19:56	5/9/13	
Sodium, Total Recoverable	6010B	**5.50**		mg/L	0.50	0.03	1	05/10/13 22:59	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 19:56	5/9/13	
Vanadium, Total Recoverable	6020	0.3	U	ug/L	2.0	0.3	1	05/10/13 19:56	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 19:56	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 15:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-2B	**Basis:**	NA
Lab Code:	J1302541-010		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.094**		mg/L	0.010	0.007	1	05/10/13 12:57	NA	
Chloride	300.0	**8.78**		mg/L	0.50	0.11	1	05/09/13 19:51	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 19:51	NA	
Phenolics, Total Recoverable	420.4	**18**	**IV**	ug/L	50	5	1	05/16/13 15:50	5/16/13	
Solids, Total Dissolved	SM 2540 C	**34**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:30
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3A	**Units:**	ug/L
Lab Code:	J1302541-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 07:14	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 07:14	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 07:14	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 07:14	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 07:14	
1,1-Dichloroethene (1,1-DCE)	**0.30 I**	1.0	0.16	1	05/11/13 07:14	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 07:14	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 07:14	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 07:14	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 07:14	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 07:14	
1,2-Dichloropropane	**0.48 I**	1.0	0.19	1	05/11/13 07:14	
1,4-Dichlorobenzene	**4.6**	1.0	0.16	1	05/11/13 07:14	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 07:14	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 07:14	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 07:14	
Acetone	5.6 U	50	5.6	1	05/11/13 07:14	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 07:14	
Benzene	**8.8**	1.0	0.21	1	05/11/13 07:14	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 07:14	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 07:14	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 07:14	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 07:14	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 07:14	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 07:14	
Chlorobenzene	**1.0**	1.0	0.16	1	05/11/13 07:14	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 07:14	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 07:14	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 07:14	
cis-1,2-Dichloroethene	**0.73 I**	1.0	0.36	1	05/11/13 07:14	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 07:14	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 07:14	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 07:14	
Ethylbenzene	**1.4**	1.0	0.21	1	05/11/13 07:14	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 07:14	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 07:14	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 07:14	
o-Xylene	**0.40 I**	1.0	0.14	1	05/11/13 07:14	
Styrene	0.29 U	1.0	0.29	1	05/11/13 07:14	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 07:14	
Toluene	**0.32 I**	1.0	0.19	1	05/11/13 07:14	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 07:14	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 07:14	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:30
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3A	**Units:**	ug/L
Lab Code:	J1302541-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 07:14	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 07:14	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 07:14	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 07:14	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 07:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	88	72 - 121	05/11/13 07:14	
4-Bromofluorobenzene	103	86 - 113	05/11/13 07:14	
Dibromofluoromethane	96	86 - 112	05/11/13 07:14	
Toluene-d8	103	88 - 115	05/11/13 07:14	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:30
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3A	**Units:**	ug/L
Lab Code:	J1302541-011	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.0201	0.00703	1	05/21/13 15:47	5/21/13	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	05/21/13 15:47	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	77	70 - 130	05/21/13 15:47	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:30
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3A	**Basis:**	NA
Lab Code:	J1302541-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 20:01	5/9/13	
Arsenic, Total Recoverable	6020	**0.5**	**I**	ug/L	1.0	0.5	1	05/10/13 20:01	5/9/13	
Barium, Total Recoverable	6020	**31.7**		ug/L	2.0	0.5	1	05/10/13 20:01	5/9/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/10/13 20:01	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 20:01	5/9/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 20:01	5/9/13	
Cobalt, Total Recoverable	6020	**1.6**		ug/L	1.0	0.03	1	05/10/13 20:01	5/9/13	
Copper, Total Recoverable	6020	**0.5**	**I**	ug/L	1.0	0.3	1	05/10/13 20:01	5/9/13	
Iron, Total Recoverable	6010B	**8140**		ug/L	100	3	1	05/10/13 23:03	5/9/13	
Lead, Total Recoverable	6020	**0.23**	**I**	ug/L	0.50	0.12	1	05/10/13 20:01	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 14:58	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 20:01	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 20:01	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 20:01	5/9/13	
Sodium, Total Recoverable	6010B	**26.2**		mg/L	0.50	0.03	1	05/10/13 23:03	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 20:01	5/9/13	
Vanadium, Total Recoverable	6020	**2.7**		ug/L	2.0	0.3	1	05/10/13 20:01	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 20:01	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:30
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3A	**Basis:**	NA
Lab Code:	J1302541-011		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**8.75**		mg/L	0.010	0.007	1	05/10/13 12:58	NA	
Chloride	300.0	**79.5**		mg/L	0.50	0.11	1	05/09/13 20:09	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 20:09	NA	
Phenolics, Total Recoverable	420.4	**22**	**IV**	ug/L	50	5	1	05/16/13 15:52	5/16/13	
Solids, Total Dissolved	SM 2540 C	**175**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3B	**Units:**	ug/L
Lab Code:	J1302541-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 07:45	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 07:45	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 07:45	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 07:45	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 07:45	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 07:45	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 07:45	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 07:45	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 07:45	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 07:45	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 07:45	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 07:45	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 07:45	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 07:45	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 07:45	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 07:45	
Acetone	5.6 U	50	5.6	1	05/11/13 07:45	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 07:45	
Benzene	0.21 U	1.0	0.21	1	05/11/13 07:45	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 07:45	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 07:45	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 07:45	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 07:45	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 07:45	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 07:45	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 07:45	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 07:45	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 07:45	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 07:45	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 07:45	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 07:45	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 07:45	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 07:45	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 07:45	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 07:45	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 07:45	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 07:45	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 07:45	
Styrene	0.29 U	1.0	0.29	1	05/11/13 07:45	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 07:45	
Toluene	0.19 U	1.0	0.19	1	05/11/13 07:45	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 07:45	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 07:45	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3B	**Units:**	ug/L
Lab Code:	J1302541-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 07:45	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 07:45	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 07:45	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 07:45	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 07:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	87	72 - 121	05/11/13 07:45	
4-Bromofluorobenzene	104	86 - 113	05/11/13 07:45	
Dibromofluoromethane	96	86 - 112	05/11/13 07:45	
Toluene-d8	104	88 - 115	05/11/13 07:45	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3B	**Units:**	ug/L
Lab Code:	J1302541-012	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.0201	0.00705	1	05/21/13 16:08	5/21/13	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	05/21/13 16:08	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	79	70 - 130	05/21/13 16:08	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3B	**Basis:**	NA
Lab Code:	J1302541-012		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/10/13 20:07	5/9/13	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/10/13 20:07	5/9/13	
Barium, Total Recoverable	6020	**26.5**	ug/L	2.0	0.5	1	05/10/13 20:07	5/9/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/10/13 20:07	5/9/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/10/13 20:07	5/9/13	
Chromium, Total Recoverable	6020	**1.3**	ug/L	1.0	0.2	1	05/10/13 20:07	5/9/13	
Cobalt, Total Recoverable	6020	**0.2 I**	ug/L	1.0	0.03	1	05/10/13 20:07	5/9/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/10/13 20:07	5/9/13	
Iron, Total Recoverable	6010B	**530**	ug/L	100	3	1	05/10/13 23:17	5/9/13	
Lead, Total Recoverable	6020	**2.09**	ug/L	0.50	0.12	1	05/10/13 20:07	5/9/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/10/13 15:00	5/9/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/10/13 20:07	5/9/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/10/13 20:07	5/9/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/10/13 20:07	5/9/13	
Sodium, Total Recoverable	6010B	**6.51**	mg/L	0.50	0.03	1	05/10/13 23:17	5/9/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/10/13 20:07	5/9/13	
Vanadium, Total Recoverable	6020	**2.6**	ug/L	2.0	0.3	1	05/10/13 20:07	5/9/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/10/13 20:07	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 14:05
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-3B	**Basis:**	NA
Lab Code:	J1302541-012		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.091**	**V**	mg/L	0.010	0.007	1	05/10/13 13:04	NA	
Chloride	300.0	**9.21**		mg/L	0.50	0.11	1	05/09/13 20:27	NA	
Nitrate as Nitrogen	300.0	**0.15**	**I**	mg/L	0.20	0.03	1	05/09/13 20:27	NA	
Phenolics, Total Recoverable	420.4	**18**	**IV**	ug/L	50	5	1	05/16/13 15:52	5/16/13	
Solids, Total Dissolved	SM 2540 C	**48**		mg/L	10	10	1	05/13/13 12:50	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 12:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4A	**Units:**	ug/L
Lab Code:	J1302541-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 08:15	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 08:15	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 08:15	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 08:15	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 08:15	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 08:15	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 08:15	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 08:15	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 08:15	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 08:15	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 08:15	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 08:15	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 08:15	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 08:15	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 08:15	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 08:15	
Acetone	5.6 U	50	5.6	1	05/11/13 08:15	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 08:15	
Benzene	**4.0**	1.0	0.21	1	05/11/13 08:15	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 08:15	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 08:15	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 08:15	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 08:15	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 08:15	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 08:15	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 08:15	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 08:15	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 08:15	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 08:15	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 08:15	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 08:15	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 08:15	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 08:15	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 08:15	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 08:15	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 08:15	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 08:15	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 08:15	
Styrene	0.29 U	1.0	0.29	1	05/11/13 08:15	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 08:15	
Toluene	0.19 U	1.0	0.19	1	05/11/13 08:15	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 08:15	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 08:15	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 12:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4A	**Units:**	ug/L
Lab Code:	J1302541-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 08:15	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 08:15	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 08:15	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 08:15	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 08:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	89	72 - 121	05/11/13 08:15	
4-Bromofluorobenzene	104	86 - 113	05/11/13 08:15	
Dibromofluoromethane	96	86 - 112	05/11/13 08:15	
Toluene-d8	104	88 - 115	05/11/13 08:15	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 12:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4A	**Units:**	ug/L
Lab Code:	J1302541-013	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/21/13 16:30	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/21/13 16:30	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	82	70 - 130	05/21/13 16:30	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 12:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4A	**Basis:**	NA
Lab Code:	J1302541-013		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 20:12	5/9/13	
Arsenic, Total Recoverable	6020	**1.7**		ug/L	1.0	0.5	1	05/10/13 20:12	5/9/13	
Barium, Total Recoverable	6020	**39.1**		ug/L	2.0	0.5	1	05/10/13 20:12	5/9/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/10/13 20:12	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 20:12	5/9/13	
Chromium, Total Recoverable	6020	**0.9**	**I**	ug/L	1.0	0.2	1	05/10/13 20:12	5/9/13	
Cobalt, Total Recoverable	6020	**0.6**	**I**	ug/L	1.0	0.03	1	05/10/13 20:12	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 20:12	5/9/13	
Iron, Total Recoverable	6010B	**2630**		ug/L	100	3	1	05/10/13 23:21	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 20:12	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 15:01	5/9/13	
Nickel, Total Recoverable	6020	**1.4**	**I**	ug/L	2.0	0.5	1	05/10/13 20:12	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 20:12	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 20:12	5/9/13	
Sodium, Total Recoverable	6010B	**25.0**		mg/L	0.50	0.03	1	05/10/13 23:21	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 20:12	5/9/13	
Vanadium, Total Recoverable	6020	**0.5**	**I**	ug/L	2.0	0.3	1	05/10/13 20:12	5/9/13	
Zinc, Total Recoverable	6020	**3.4**	**I**	ug/L	5.0	1.6	1	05/10/13 20:12	5/9/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 12:25
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4A	**Basis:**	NA
Lab Code:	J1302541-013		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**11.7**		mg/L	0.050	0.035	5	05/10/13 13:21	NA	
Chloride	300.0	**73.7**		mg/L	0.50	0.11	1	05/09/13 20:45	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 20:45	NA	
Phenolics, Total Recoverable	420.4	**22**	**IV**	ug/L	50	5	1	05/16/13 15:53	5/16/13	
Solids, Total Dissolved	SM 2540 C	**160**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 13:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4B	**Units:**	ug/L
Lab Code:	J1302541-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 08:44	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 08:44	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 08:44	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 08:44	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 08:44	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 08:44	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 08:44	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 08:44	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 08:44	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 08:44	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 08:44	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 08:44	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 08:44	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 08:44	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 08:44	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 08:44	
Acetone	5.6 U	50	5.6	1	05/11/13 08:44	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 08:44	
Benzene	0.21 U	1.0	0.21	1	05/11/13 08:44	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 08:44	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 08:44	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 08:44	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 08:44	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 08:44	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 08:44	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 08:44	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 08:44	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 08:44	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 08:44	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 08:44	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 08:44	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 08:44	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 08:44	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 08:44	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 08:44	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 08:44	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 08:44	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 08:44	
Styrene	0.29 U	1.0	0.29	1	05/11/13 08:44	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 08:44	
Toluene	0.19 U	1.0	0.19	1	05/11/13 08:44	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 08:44	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 08:44	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 13:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4B	**Units:**	ug/L
Lab Code:	J1302541-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 08:44	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 08:44	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 08:44	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 08:44	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 08:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	90	72 - 121	05/11/13 08:44	
4-Bromofluorobenzene	105	86 - 113	05/11/13 08:44	
Dibromofluoromethane	97	86 - 112	05/11/13 08:44	
Toluene-d8	102	88 - 115	05/11/13 08:44	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 13:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4B	**Units:**	ug/L
Lab Code:	J1302541-014	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/21/13 16:51	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/21/13 16:51	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	83	70 - 130	05/21/13 16:51	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 13:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4B	**Basis:**	NA
Lab Code:	J1302541-014		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 20:17	5/9/13	
Arsenic, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.5	1	05/10/13 20:17	5/9/13	
Barium, Total Recoverable	6020	**18.3**		ug/L	2.0	0.5	1	05/10/13 20:17	5/9/13	
Beryllium, Total Recoverable	6020	**0.10**	**I**	ug/L	0.50	0.04	1	05/10/13 20:17	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 20:17	5/9/13	
Chromium, Total Recoverable	6020	**0.2**	**I**	ug/L	1.0	0.2	1	05/10/13 20:17	5/9/13	
Cobalt, Total Recoverable	6020	**0.2**	**I**	ug/L	1.0	0.03	1	05/10/13 20:17	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 20:17	5/9/13	
Iron, Total Recoverable	6010B	**1360**		ug/L	100	3	1	05/10/13 23:26	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 20:17	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 15:02	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 20:17	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 20:17	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 20:17	5/9/13	
Sodium, Total Recoverable	6010B	**9.08**		mg/L	0.50	0.03	1	05/10/13 23:25	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 20:17	5/9/13	
Vanadium, Total Recoverable	6020	0.3	U	ug/L	2.0	0.3	1	05/10/13 20:17	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 20:17	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 13:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	MW-4B	**Basis:**	NA
Lab Code:	J1302541-014		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.285**		mg/L	0.010	0.007	1	05/10/13 13:05	NA	
Chloride	300.0	**19.2**		mg/L	0.50	0.11	1	05/09/13 21:03	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 21:03	NA	
Phenolics, Total Recoverable	420.4	**19**	**IV**	ug/L	50	5	1	05/16/13 15:54	5/16/13	
Solids, Total Dissolved	SM 2540 C	**72**		mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 00:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Trip Blank-4	**Units:**	ug/L
Lab Code:	J1302541-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 01:48	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 01:48	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 01:48	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 01:48	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 01:48	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 01:48	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 01:48	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 01:48	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 01:48	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 01:48	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 01:48	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 01:48	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 01:48	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 01:48	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 01:48	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 01:48	
Acetone	5.6 U	50	5.6	1	05/11/13 01:48	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 01:48	
Benzene	0.21 U	1.0	0.21	1	05/11/13 01:48	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 01:48	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 01:48	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 01:48	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 01:48	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 01:48	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 01:48	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 01:48	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 01:48	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 01:48	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 01:48	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 01:48	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 01:48	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 01:48	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 01:48	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 01:48	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 01:48	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 01:48	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 01:48	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 01:48	
Styrene	0.29 U	1.0	0.29	1	05/11/13 01:48	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 01:48	
Toluene	0.19 U	1.0	0.19	1	05/11/13 01:48	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 01:48	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 01:48	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	05/08/13 00:00
Sample Matrix:	Water	**Date Received:**	05/09/13 08:58
Sample Name:	Trip Blank-4	**Units:**	ug/L
Lab Code:	J1302541-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 01:48	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 01:48	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 01:48	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 01:48	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 01:48	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	92	72 - 121	05/11/13 01:48	
4-Bromofluorobenzene	103	86 - 113	05/11/13 01:48	
Dibromofluoromethane	96	86 - 112	05/11/13 01:48	
Toluene-d8	103	88 - 115	05/11/13 01:48	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303307-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/11/13 01:19	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/11/13 01:19	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/11/13 01:19	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/11/13 01:19	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/11/13 01:19	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/11/13 01:19	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/11/13 01:19	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/11/13 01:19	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/11/13 01:19	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/11/13 01:19	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/11/13 01:19	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/11/13 01:19	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/11/13 01:19	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/11/13 01:19	
2-Hexanone	2.2 U	25	2.2	1	05/11/13 01:19	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/11/13 01:19	
Acetone	5.6 U	50	5.6	1	05/11/13 01:19	
Acrylonitrile	1.5 U	10	1.5	1	05/11/13 01:19	
Benzene	0.21 U	1.0	0.21	1	05/11/13 01:19	
Bromochloromethane	0.27 U	5.0	0.27	1	05/11/13 01:19	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/11/13 01:19	
Bromoform	0.42 U	2.0	0.42	1	05/11/13 01:19	
Bromomethane	0.23 U	5.0	0.23	1	05/11/13 01:19	
Carbon Disulfide	2.4 U	10	2.4	1	05/11/13 01:19	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/11/13 01:19	
Chlorobenzene	0.16 U	1.0	0.16	1	05/11/13 01:19	
Chloroethane	0.52 U	5.0	0.52	1	05/11/13 01:19	
Chloroform	0.35 U	1.0	0.35	1	05/11/13 01:19	
Chloromethane	0.36 U	1.0	0.36	1	05/11/13 01:19	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/11/13 01:19	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/11/13 01:19	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/11/13 01:19	
Dibromomethane	0.36 U	5.0	0.36	1	05/11/13 01:19	
Ethylbenzene	0.21 U	1.0	0.21	1	05/11/13 01:19	
Iodomethane	2.7 U	5.0	2.7	1	05/11/13 01:19	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/11/13 01:19	
Methylene Chloride	0.21 U	5.0	0.21	1	05/11/13 01:19	
o-Xylene	0.14 U	1.0	0.14	1	05/11/13 01:19	
Styrene	0.29 U	1.0	0.29	1	05/11/13 01:19	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/11/13 01:19	
Toluene	0.19 U	1.0	0.19	1	05/11/13 01:19	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/11/13 01:19	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/11/13 01:19	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303307-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/11/13 01:19	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/11/13 01:19	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/11/13 01:19	
Vinyl Acetate	1.9 U	10	1.9	1	05/11/13 01:19	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/11/13 01:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	91	72 - 121	05/11/13 01:19	
4-Bromofluorobenzene	105	86 - 113	05/11/13 01:19	
Dibromofluoromethane	96	86 - 112	05/11/13 01:19	
Toluene-d8	103	88 - 115	05/11/13 01:19	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303444-01	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/20/13 16:13	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/20/13 16:13	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	85	70 - 130	05/20/13 16:13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303517-01	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/21/13 11:29	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/21/13 11:29	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	105	70 - 130	05/21/13 11:29	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302541-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 17:50	5/9/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/10/13 17:50	5/9/13	
Barium, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 17:50	5/9/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/10/13 17:50	5/9/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/10/13 17:50	5/9/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/10/13 17:50	5/9/13	
Cobalt, Total Recoverable	6020	0.03	U	ug/L	1.0	0.03	1	05/10/13 17:50	5/9/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/10/13 17:50	5/9/13	
Iron, Total Recoverable	6010B	3	U	ug/L	100	3	1	05/10/13 21:12	5/9/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/10/13 17:50	5/9/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/10/13 14:39	5/9/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/10/13 17:50	5/9/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/10/13 17:50	5/9/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/10/13 17:50	5/9/13	
Sodium, Total Recoverable	6010B	0.03	U	mg/L	0.50	0.03	1	05/10/13 21:12	5/9/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/10/13 17:50	5/9/13	
Vanadium, Total Recoverable	6020	0.3	U	ug/L	2.0	0.3	1	05/10/13 17:50	5/9/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/10/13 17:50	5/9/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302541-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.007	U	mg/L	0.010	0.007	1	05/10/13 12:15	NA	
Chloride	300.0	0.11	U	mg/L	0.50	0.11	1	05/09/13 15:32	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/09/13 15:32	NA	
Phenolics, Total Recoverable	420.4	**7**	**I**	ug/L	50	5	1	05/15/13 08:59	5/14/13	
Solids, Total Dissolved	SM 2540 C	10	U	mg/L	10	10	1	05/13/13 12:50	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302541-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.009**	**I**	mg/L	0.010	0.007	1	05/10/13 12:44	NA	
Phenolics, Total Recoverable	420.4	**8**	**I**	ug/L	50	5	1	05/16/13 15:49	5/16/13	
Solids, Total Dissolved	SM 2540 C	10	U	mg/L	10	10	1	05/13/13 12:50	NA	

Client: Waste Services of Florida, Inc. **Service Request:** J1302541

Project: JED SWDF

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4 72 - 121	4-Bromofluorobenzene 86 - 113	Dibromofluoromethane 86 - 112
MW-7A	J1302541-001	93	105	98
MW-7B	J1302541-002	92	103	96
MW-6A	J1302541-003	90	104	98
MW-6B	J1302541-004	90	106	96
MW-5A	J1302541-005	90	105	97
MW-5B	J1302541-006	91	104	98
Equipment Blank-1	J1302541-007	91	105	95
Trip Blank-3	J1302541-008	93	104	95
MW-2A	J1302541-009	91	104	97
MW-2B	J1302541-010	91	103	95
MW-3A	J1302541-011	88	103	96
MW-3B	J1302541-012	87	104	96
MW-4A	J1302541-013	89	104	96
MW-4B	J1302541-014	90	105	97
Trip Blank-4	J1302541-015	92	103	96
Lab Control Sample	JQ1303307-01	90	99	96
Duplicate Lab Control Sample	JQ1303307-02	88	101	97
Method Blank	JQ1303307-03	91	105	96

Client: Waste Services of Florida, Inc. **Service Request:** J1302541
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8 88 - 115
MW-7A	J1302541-001	102
MW-7B	J1302541-002	103
MW-6A	J1302541-003	103
MW-6B	J1302541-004	102
MW-5A	J1302541-005	104
MW-5B	J1302541-006	104
Equipment Blank-1	J1302541-007	105
Trip Blank-3	J1302541-008	103
MW-2A	J1302541-009	105
MW-2B	J1302541-010	101
MW-3A	J1302541-011	103
MW-3B	J1302541-012	104
MW-4A	J1302541-013	104
MW-4B	J1302541-014	102
Trip Blank-4	J1302541-015	103
Lab Control Sample	JQ1303307-01	102
Duplicate Lab Control Sample	JQ1303307-02	103
Method Blank	JQ1303307-03	103

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QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:**J1302541
Project: JED SWDF **Date Analyzed:**05/10/13
Sample Matrix: Water

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

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340208

	Lab Control Sample JQ1303307-01			Duplicate Lab Control Sample JQ1303307-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	20.5	20.0	102	20.7	20.0	104	77-118	1	30
1,1,1-Trichloroethane (TCA)	20.2	20.0	101	19.7	20.0	98	70-122	3	30
1,1,2,2-Tetrachloroethane	19.8	20.0	99	20.5	20.0	102	66-135	4	30
1,1,2-Trichloroethane	20.0	20.0	100	20.1	20.0	100	75-122	<1	30
1,1-Dichloroethane (1,1-DCA)	20.9	20.0	104	19.8	20.0	99	79-117	5	30
1,1-Dichloroethene (1,1-DCE)	21.4	20.0	107	20.3	20.0	102	72-128	5	30
1,2,3-Trichloropropane	19.6	20.0	98	19.0	20.0	95	70-123	3	30
1,2-Dibromo-3-chloropropane (DBCP)	19.6	20.0	98	20.5	20.0	102	60-122	5	30
1,2-Dibromoethane (EDB)	19.7	20.0	98	19.6	20.0	98	76-118	<1	30
1,2-Dichlorobenzene	20.1	20.0	101	20.2	20.0	101	81-115	<1	30
1,2-Dichloroethane	18.2	20.0	91	17.5	20.0	88	70-117	4	30
1,2-Dichloropropane	20.2	20.0	101	19.7	20.0	98	79-117	3	30
1,4-Dichlorobenzene	20.6	20.0	103	20.7	20.0	103	82-115	<1	30
2-Butanone (MEK)	104	100	104	98.7	100	99	62-138	5	30
2-Hexanone	99.1	100	99	100	100	100	74-127	1	30
4-Methyl-2-pentanone (MIBK)	98.7	100	99	99.0	100	99	77-120	<1	30
Acetone	93.2	100	93	90.1	100	90	42-161	3	30
Acrylonitrile	97.9	100	98	98.5	100	98	63-132	<1	30
Benzene	20.6	20.0	103	20.0	20.0	100	80-117	3	30
Bromochloromethane	19.7	20.0	98	19.3	20.0	97	78-118	2	30
Bromodichloromethane	19.7	20.0	98	19.4	20.0	97	75-118	2	30
Bromoform	18.0	20.0	90	18.6	20.0	93	63-121	3	30
Bromomethane	20.0	20.0	100	19.8	20.0	99	31-153	1	30
Carbon Disulfide	111	100	111	106	100	106	72-128	4	30
Carbon Tetrachloride	20.5	20.0	102	19.6	20.0	98	67-124	4	30
Chlorobenzene	21.2	20.0	106	20.7	20.0	104	83-118	2	30
Chloroethane	20.6	20.0	103	20.1	20.0	100	68-132	2	30
Chloroform	19.6	20.0	98	19.2	20.0	96	77-116	2	30
Chloromethane	20.8	20.0	104	19.8	20.0	99	60-128	5	30
cis-1,2-Dichloroethene	20.4	20.0	102	19.6	20.0	98	78-117	4	30
cis-1,3-Dichloropropene	22.2	20.0	111	21.7	20.0	108	80-119	2	30
Dibromochloromethane	20.5	20.0	102	20.6	20.0	103	74-121	<1	30
Dibromomethane	19.7	20.0	98	19.0	20.0	95	76-117	4	30
Ethylbenzene	22.1	20.0	110	21.7	20.0	109	82-119	2	30
Iodomethane	106	100	106	103	100	103	51-137	4	30
m,p-Xylenes	44.9	40.0	112	44.3	40.0	111	79-122	1	30
Methylene Chloride	20.4	20.0	102	20.3	20.0	102	75-123	<1	30
o-Xylene	21.7	20.0	108	21.5	20.0	107	80-119	<1	30
Styrene	21.9	20.0	110	21.9	20.0	109	80-121	<1	30
Tetrachloroethene (PCE)	21.8	20.0	109	21.4	20.0	107	75-126	2	30
Toluene	22.1	20.0	110	21.6	20.0	108	52-152	2	30

Client: Waste Services of Florida, Inc. **Service Request:**J1302541
Project: JED SWDF **Date Analyzed:**05/10/13
Sample Matrix: Water

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

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340208

	Lab Control Sample JQ1303307-01			Duplicate Lab Control Sample JQ1303307-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
trans-1,2-Dichloroethene	21.0	20.0	105	20.2	20.0	101	75-121	4	30
trans-1,3-Dichloropropene	22.1	20.0	111	21.7	20.0	109	76-118	2	30
trans-1,4-Dichloro-2-butene	17.0	20.0	85	17.4	20.0	87	10-198	2	30
Trichloroethene (TCE)	20.2	20.0	101	19.9	20.0	100	78-122	1	30
Trichlorofluoromethane	20.7	20.0	103	19.8	20.0	99	58-134	4	30
Vinyl Acetate	106	100	106	107	100	107	36-169	1	30
Vinyl Chloride	21.6	20.0	108	20.1	20.0	100	69-138	7	30

Client: Waste Services of Florida, Inc. **Service Request:** J1302541
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

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

Analysis Method: 8011
Extraction Method: Method

Sample Name	Lab Code	1,1,1,2-Tetrachloroethane 70 - 130
MW-7A	J1302541-001	90
MW-7B	J1302541-002	95
MW-6A	J1302541-003	69 *
MW-6B	J1302541-004	83
MW-5A	J1302541-005	67 *
MW-5B	J1302541-006	71
Equipment Blank-1	J1302541-007	88
MW-2A	J1302541-009	80
MW-2B	J1302541-010	74
MW-3A	J1302541-011	77
MW-3B	J1302541-012	79
MW-4A	J1302541-013	82
MW-4B	J1302541-014	83
Method Blank	JQ1303444-01	85
Lab Control Sample	JQ1303444-02	99
Method Blank	JQ1303517-01	105
Lab Control Sample	JQ1303517-02	101
MW-6A	JQ1303517-03	58 *
MW-6A	JQ1303517-04	56 *

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

Service Request:J1302541
Date Collected:05/08/13
Date Received:05/09/13
Date Analyzed:05/21/13
Date Extracted:05/21/13

Duplicate Matrix Spike Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Sample Name: MW-6A
Lab Code: J1302541-003
Analysis Method: 8011
Prep Method: Method

Units:ug/L
Basis:NA

		Matrix Spike JQ1303517-03			Duplicate Matrix Spike JQ1303517-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.157	0.249	63 *	0.148	0.250	59 *	65-135	6	30
1,2-Dibromoethane (EDB)	ND	0.149	0.249	60 *	0.141	0.250	56 *	65-135	5	30

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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.

Client: Waste Services of Florida, Inc. **Service Request:**J1302541
Project: JED SWDF **Date Analyzed:**05/20/13
Sample Matrix: Water **Date Extracted:**05/20/13

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:341509

Lab Control Sample
JQ1303444-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.247	0.250	99	70-130
1,2-Dibromoethane (EDB)	0.259	0.250	103	70-130

Client: Waste Services of Florida, Inc. **Service Request:**J1302541
Project: JED SWDF **Date Analyzed:**05/21/13
Sample Matrix: Water **Date Extracted:**05/21/13

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:341521

Lab Control Sample
JQ1303517-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.257	0.250	103	70-130
1,2-Dibromoethane (EDB)	0.257	0.250	103	70-130

QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:**J1302541
Project: JED SWDF **Date Analyzed:**5/10/13
Sample Matrix: Water

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302541-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	52.0	50.0	104	80-120
Arsenic, Total Recoverable	6020	51.6	50.0	103	80-120
Barium, Total Recoverable	6020	105	100	104	80-120
Beryllium, Total Recoverable	6020	23.2	25.0	93	80-120
Cadmium, Total Recoverable	6020	20.3	20.0	102	80-120
Chromium, Total Recoverable	6020	50.8	50.0	102	80-120
Cobalt, Total Recoverable	6020	50.4	50.0	101	80-120
Copper, Total Recoverable	6020	51.5	50.0	103	80-120
Iron, Total Recoverable	6010B	5230	5000	105	80-120
Lead, Total Recoverable	6020	25.7	25.0	103	80-120
Mercury, Total	7470A	1.22	1.25	98	80-120
Nickel, Total Recoverable	6020	102	100	102	80-120
Selenium, Total Recoverable	6020	101	100	101	80-120
Silver, Total Recoverable	6020	26.1	25.0	104	80-120
Thallium, Total Recoverable	6020	10.2	10.0	102	80-120
Vanadium, Total Recoverable	6020	108	100	108	80-120
Zinc, Total Recoverable	6020	252	250	101	80-120

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

Service Request:J1302541
Date Analyzed:5/10/13

Lab Control Sample Summary
Inorganic Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302541-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	26.0	25.0	104	80-120

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QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project	JED SWDF	**Date Collected:**	05/08/13
Sample Matrix:	Water	**Date Received:**	05/09/13
		Date Analyzed:	05/09/13 - 05/10/13

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-7A	**Units:**	mg/L
Lab Code:	J1302541-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302541-001DUP Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	350.1	0.010	0.007	5.15	5.16	5.16	<1	20
Chloride	300.0	0.50	0.11	33.7	33.7	33.7	<1	20
Nitrate as Nitrogen	300.0	0.20	0.03	0.03	0.03	NC	NC	20

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QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project	JED SWDF	**Date Collected:**	05/08/13
Sample Matrix:	Water	**Date Received:**	05/09/13
		Date Analyzed:	05/10/13

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-6B	**Units:**	mg/L
Lab Code:	J1302541-004	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302541-004DUP Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	350.1	0.010	0.007	0.192	0.184	0.188	4	20

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QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project	JED SWDF	**Date Collected:**	05/08/13
Sample Matrix:	Water	**Date Received:**	05/09/13
		Date Analyzed:	05/15/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-2A	**Units:**	ug/L
Lab Code:	J1302541-009	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302541-009DUP Result	Average	RPD	RPD Limit
Phenolics, Total Recoverable	420.4	50	5	18	20	19.0	6	20

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QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project	JED SWDF	**Date Collected:**	05/08/13
Sample Matrix:	Water	**Date Received:**	05/09/13
		Date Analyzed:	05/16/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-2B	**Units:**	ug/L
Lab Code:	J1302541-010	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302541-010DUP Result	Average	RPD	RPD Limit
Phenolics, Total Recoverable	420.4	50	5	18	13	15.4	33 *	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:	Waste Services of Florida, Inc.	**Service Request:**	J1302541
Project	JED SWDF	**Date Collected:**	05/08/13
Sample Matrix:	Water	**Date Received:**	05/09/13
		Date Analyzed:	05/13/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-2B	**Units:**	mg/L
Lab Code:	J1302541-010	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302541-010DUP Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	10	34	41	37.5	19	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.

QA/QC Report

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

Service Request:J1302541
Date Collected:05/08/13
Date Received:05/09/13
Date Analyzed:05/09/13 - 05/10/13

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: MW-7A
Lab Code: J1302541-001

Units:mg/L
Basis:NA

Matrix Spike
J1302541-001MS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	5.15	6.10	1.00	95 #	90-110
Chloride	300.0	33.7	83.9	50.0	100	90-110
Nitrate as Nitrogen	300.0	0.03	4.64	5.00	93	90-110

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

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

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

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

Service Request:J1302541
Date Collected:05/08/13
Date Received:05/09/13
Date Analyzed:05/10/13

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: MW-6B
Lab Code: J1302541-004
Analysis Method: 350.1

Units:mg/L
Basis:NA

Matrix Spike
J1302541-004MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	0.192	1.16	1.00	97	90-110

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

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

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

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

Service Request:J1302541
Date Collected:05/08/13
Date Received:05/09/13
Date Analyzed:05/15/13
Date Extracted:05/14/13

Matrix Spike Summary
Phenolics, Total Recoverable

Sample Name: MW-2A
Lab Code: J1302541-009
Analysis Method: 420.4
Prep Method: Method

Units:ug/L
Basis:NA

Matrix Spike
J1302541-009MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	18	904	1000	89 *	90-110

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

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

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

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

Service Request:J1302541
Date Collected:05/08/13
Date Received:05/09/13
Date Analyzed:05/16/13
Date Extracted:05/16/13

Matrix Spike Summary
Phenolics, Total Recoverable

Sample Name: MW-2B
Lab Code: J1302541-010
Analysis Method: 420.4
Prep Method: Method

Units:ug/L
Basis:NA

Matrix Spike
J1302541-010MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	18	922	1000	90	90-110

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

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

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302541
Project: JED SWDF **Date Analyzed:**05/09/13 - 05/13/13
Sample Matrix: Water

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302541-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.991	1.00	99	90-110
Chloride	300.0	50.2	50.0	100	90-110
Nitrate as Nitrogen	300.0	5.08	5.00	102	90-110
Solids, Total Dissolved	SM 2540 C	300	300	100	85-115

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

Service Request:J1302541
Date Analyzed:5/15/13

Lab Control Sample Summary
General Chemistry Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302541-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	420.4	914	1000	91	90-110

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

Service Request:J1302541
Date Analyzed:05/10/13 - 05/13/13

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302541-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.979	1.00	98	90-110
Solids, Total Dissolved	SM 2540 C	301	300	100	85-115

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

Service Request:J1302541
Date Analyzed:5/16/13

Lab Control Sample Summary
General Chemistry Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302541-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	420.4	978	1000	98	90-110

ALS Environmental

Cooler Receipt Form

Client: WST Service Request #: 1302541

Project: JED SWDF

Cooler received on 5/9/13 and opened on 5/9/13 by DA

COURIER: ALS UPS (FEDEX) Client Other _____ Airbill # 8024 7811 1850

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)	4.6 2.6	
5	Thermometer ID	T81	
6	Temperature Blank Present?	(Yes)	No
7	Were Ice or Ice Packs present	(Ice)	Ice Packs No
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No N/A
9	Type of packing material present	Netting	Vial Holder (Bubble Wrap)
		Paper	Styrofoam Other N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No N/A
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No N/A
12	Were the correct bottles used for the tests indicated?	(Yes)	No N/A
13	Were all of the preserved bottles received with the appropriate preservative?	(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:

Client approval to run samples if discrepancies noted: Date:

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 1 OF 1

SR# J1302541
CAS Contract

J1302541 5
Waste Services of Florida, Inc.
JED SWDF

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsii.us
Company/Address: WSI, 11500 43rd St N, Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: [signature]	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number)

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH3	Metals	TDS, Cl, NO3	Total Phenolics					REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE						1	0	3	2	0	3					
MW-7A		5-8-13	0735	GW	10	3	3	1	1	1	1					
MW-7B		↓	0700	↓	↓	↓	↓	↓	↓	↓	↓					
MW-6A		↓	0925	↓	↓	↓	↓	↓	↓	↓	↓					
MW-6B		↓	0855	↓	↓	↓	↓	↓	↓	↓	↓					
MW-5A		↓	1105	↓	↓	↓	↓	↓	↓	↓	↓					
MW-5B		↓	1035	GW	↓	↓	↓	↓	↓	↓	↓					
Equipment Blk-1		5-8-13	0800	DI H_2O	10	3	3	1	1	1	1					
Trip Blank-3		5-2-13	0900	DD H_2O	1	1										

Preservatives: 1. HCL 2. HNO_3 3. H_2SO_4 4. NaOH 5. Zn. Acetate 6. MeOH 7. $NaHSO_4$ 8. Other ______

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 13128-JED1

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE ______
REQUESTED REPORT DATE ______

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____Yes ____No

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	[signature]	[signature]	[signature]	[signature]		
Printed Name	Joe Terry			Javiera Alvarez		
Firm	WSI			ALS		
Date/Time	5-8-13/1700			5/9/13 5858		

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

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 1 OF 1

SR# J1302541
CAS Contract

Project Name: JED SWDF
Project Number:
Project Manager: Joe Terry
Email Address: jterry@wsiius
Company/Address: WSI
Phone #: 813-943-8633
FAX #:
Sampler's Signature: Joe Terry
Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

J1302541 5
Waste Services of Florida, Inc.
JED SWDF

Preservative key: 2. HNO_3 3. H_2SO_4 4. NaOH 5. Zn. Acetate 6. MeOH 7. $NaHSO_4$ 8. Other ____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH3	Metals	TDS, Cl, NO3	Total Phenolics	REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE						1	0	3	2	0	3	
MW-2A		5-8-13	1555	GW	10	3	3	1	1	1	1	
MW-2B		↓	1525	↓	↓	↓	↓	↓	↓	↓	↓	
MW-3A		↓	1430	↓	↓	↓	↓	↓	↓	↓	↓	
MW-3B		↓	1405	↓	↓	↓	↓	↓	↓	↓	↓	
MW-4A		↓	1225	↓	↓	↓	↓	↓	↓	↓	↓	
MW-4B		5-8-13	1300	GW	10	3	3	1	1	1	1	
Trip Blk-4		5-2-13	0930	DI H2O	1	1						

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 13128-JED2

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE ____
REQUESTED REPORT DATE ____

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

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Joe Terry			[signature]		
Printed Name	Joe Terry	Fed		Patricia Alvarez		
Firm	WSI		Ex	ALS		
Date/Time	5-8-13 / 1700			5/9/13 855		

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

May 28, 2013 Service Request No:J1302569

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

Laboratory Results for: JED SWDF

Dear Kirk,

Enclosed are the results of the sample(s) submitted to our laboratory May 10, 2013
For your reference, these analyses have been assigned our service request number **J1302569.**

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 Columbia Analytical Services, Inc. (CAS) 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

ALS Environmental

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

Service Request:J1302569
Date Received:5/10/13

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

Eleven water samples and two trip blanks were received for analysis at ALS Environmental on 5/10/13. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at ≤6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

No significant data anomalies were noted with this analysis.

Semi-Volatile Organic Analyses:

Method 8011: The control criterion was exceeded for the following surrogate in sample J1302569-003 due to suspected matrix interference: 1,1,1,2-Tetrachloroethane. A medium emulsion was generated during the extraction of this sample, which may have contributed to its poor surrogate recovery. No further corrective action was appropriate.

Method 8011: The control criterion was exceeded for the following surrogate in the Duplicate Laboratory Spike Sample (DLCS) JQ1303557-03: 1,1,1,2-Tetrachloroethane. The associated matrix spike recoveries of target compounds were in control, indicating the analysis was in control. The surrogate outlier is flagged accordingly. No further corrective action was appropriate.

Metals Analyses:

No significant data anomalies were noted with this analysis.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

Approved by _____ Date 5/28/2013

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Florida Department of Health	E82502	6/30/2013
North Carolina Department of Environment and Natural Resources	527	12/31/2013
Virginia Environmental Accreditation Program	460191	12/14/2013
Louisiana Department of Environmental Quality	02086	6/30/2013
Georgia Department of Natural Resources	958	6/30/2013
Kentucky Division of Waste Management	63	7/5/2013
South Carolina Department of Health and Environmental Control	96021001	6/30/2013
Texas Commision on Environmental Quality	T104704197-09-TX	5/31/2013
Maine Department of Health and Human Services	2011006	2/3/2015
Department of Defense	66206	5/31/2013
Pennsylvania Department of Environmental Protection	68-04835	8/31/2013

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 determininations
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

Acronyms

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302569

Project: JED SWDF

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1302569-001	MW-1A	5/9/2013	0730
J1302569-002	MW-1B	5/9/2013	0700
J1302569-003	MW-22RA	5/9/2013	1030
J1302569-004	MW-22RB	5/9/2013	1005
J1302569-005	MW-23A	5/9/2013	0915
J1302569-006	MW-23B	5/9/2013	0845
J1302569-007	Trip Blank-5	5/9/2013	0000
J1302569-008	MW-20A	5/9/2013	1330
J1302569-009	MW-20B	5/9/2013	1400
J1302569-010	MW-21A	5/9/2013	1215
J1302569-011	MW-21B	5/9/2013	1150
J1302569-012	Equipment Blank-2	5/9/2013	1440
J1302569-013	Trip Blank-6	5/9/2013	0000

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1A	**Units:**	ug/L
Lab Code:	J1302569-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 18:03	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 18:03	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 18:03	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 18:03	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 18:03	
1,1-Dichloroethene (1,1-DCE)	**0.17 I**	1.0	0.16	1	05/14/13 18:03	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 18:03	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 18:03	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 18:03	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 18:03	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 18:03	
1,2-Dichloropropane	**0.30 I**	1.0	0.19	1	05/14/13 18:03	
1,4-Dichlorobenzene	**2.0**	1.0	0.16	1	05/14/13 18:03	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 18:03	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 18:03	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 18:03	
Acetone	5.6 U	50	5.6	1	05/14/13 18:03	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 18:03	
Benzene	**5.1**	1.0	0.21	1	05/14/13 18:03	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 18:03	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 18:03	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 18:03	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 18:03	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 18:03	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 18:03	
Chlorobenzene	**0.26 I**	1.0	0.16	1	05/14/13 18:03	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 18:03	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 18:03	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 18:03	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 18:03	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 18:03	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 18:03	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 18:03	
Ethylbenzene	**0.55 I**	1.0	0.21	1	05/14/13 18:03	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 18:03	
m,p-Xylenes	**1.4 I**	2.0	0.31	1	05/14/13 18:03	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 18:03	
o-Xylene	**0.71 I**	1.0	0.14	1	05/14/13 18:03	
Styrene	0.29 U	1.0	0.29	1	05/14/13 18:03	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 18:03	
Toluene	0.19 U	1.0	0.19	1	05/14/13 18:03	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 18:03	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 18:03	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1A	**Units:**	ug/L
Lab Code:	J1302569-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 18:03	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 18:03	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 18:03	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 18:03	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 18:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	86	72 - 121	05/14/13 18:03	
4-Bromofluorobenzene	104	86 - 113	05/14/13 18:03	
Dibromofluoromethane	95	86 - 112	05/14/13 18:03	
Toluene-d8	102	88 - 115	05/14/13 18:03	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1A	**Units:**	ug/L
Lab Code:	J1302569-001	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/22/13 19:19	5/22/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/22/13 19:19	5/22/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	92	70 - 130	05/22/13 19:19	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1A	**Basis:**	NA
Lab Code:	J1302569-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/13/13 19:11	5/13/13	
Arsenic, Total Recoverable	6020	**1.4**	ug/L	1.0	0.5	1	05/13/13 19:11	5/13/13	
Barium, Total Recoverable	6020	**115**	ug/L	2.0	0.5	1	05/13/13 19:11	5/13/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/13/13 19:11	5/13/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/13/13 19:11	5/13/13	
Chromium, Total Recoverable	6020	**5.9**	ug/L	1.0	0.2	1	05/13/13 19:11	5/13/13	
Cobalt, Total Recoverable	6020	**1.9**	ug/L	1.0	0.03	1	05/13/13 19:11	5/13/13	
Copper, Total Recoverable	6020	**0.4 I**	ug/L	1.0	0.3	1	05/13/13 19:11	5/13/13	
Iron, Total Recoverable	6010B	**7980**	ug/L	100	3	1	05/13/13 22:01	5/13/13	
Lead, Total Recoverable	6020	**0.17 I**	ug/L	0.50	0.12	1	05/13/13 19:11	5/13/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/13/13 13:38	5/10/13	
Nickel, Total Recoverable	6020	**3.4**	ug/L	2.0	0.5	1	05/13/13 19:11	5/13/13	
Selenium, Total Recoverable	6020	**2.0**	ug/L	2.0	1.1	1	05/13/13 19:11	5/13/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/13/13 19:11	5/13/13	
Sodium, Total Recoverable	6010B	**201**	mg/L	0.50	0.03	1	05/13/13 22:01	5/13/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/13/13 19:11	5/13/13	
Vanadium, Total Recoverable	6020	**6.9**	ug/L	2.0	0.3	1	05/13/13 19:11	5/13/13	
Zinc, Total Recoverable	6020	**6.3**	ug/L	5.0	1.6	1	05/13/13 19:11	5/13/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1A	**Basis:**	NA
Lab Code:	J1302569-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**8.38**		mg/L	0.010	0.007	1	05/16/13 10:49	NA	
Chloride	300.0	**412**		mg/L	2.5	0.6	5	05/10/13 14:47	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/10/13 14:28	NA	
Phenolics, Total Recoverable	420.4	**21**	**IV**	ug/L	50	5	1	05/16/13 15:54	5/16/13	
Solids, Total Dissolved	SM 2540 C	**1160**		mg/L	20	20	2	05/14/13 09:06	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1B	**Units:**	ug/L
Lab Code:	J1302569-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 18:33	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 18:33	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 18:33	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 18:33	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 18:33	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 18:33	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 18:33	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 18:33	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 18:33	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 18:33	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 18:33	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 18:33	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 18:33	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 18:33	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 18:33	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 18:33	
Acetone	5.6 U	50	5.6	1	05/14/13 18:33	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 18:33	
Benzene	0.21 U	1.0	0.21	1	05/14/13 18:33	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 18:33	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 18:33	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 18:33	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 18:33	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 18:33	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 18:33	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 18:33	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 18:33	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 18:33	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 18:33	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 18:33	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 18:33	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 18:33	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 18:33	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 18:33	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 18:33	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 18:33	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 18:33	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 18:33	
Styrene	0.29 U	1.0	0.29	1	05/14/13 18:33	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 18:33	
Toluene	0.19 U	1.0	0.19	1	05/14/13 18:33	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 18:33	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 18:33	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1B	**Units:**	ug/L
Lab Code:	J1302569-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 18:33	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 18:33	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 18:33	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 18:33	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 18:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	82	72 - 121	05/14/13 18:33	
4-Bromofluorobenzene	105	86 - 113	05/14/13 18:33	
Dibromofluoromethane	94	86 - 112	05/14/13 18:33	
Toluene-d8	105	88 - 115	05/14/13 18:33	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1B	**Units:**	ug/L
Lab Code:	J1302569-002	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/21/13 17:34	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/21/13 17:34	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	78	70 - 130	05/21/13 17:34	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1B	**Basis:**	NA
Lab Code:	J1302569-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/13/13 19:36	5/13/13	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/13/13 19:36	5/13/13	
Barium, Total Recoverable	6020	**6.6**	ug/L	2.0	0.5	1	05/13/13 19:36	5/13/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/13/13 19:36	5/13/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/13/13 19:36	5/13/13	
Chromium, Total Recoverable	6020	**0.5 I**	ug/L	1.0	0.2	1	05/13/13 19:36	5/13/13	
Cobalt, Total Recoverable	6020	**0.05 I**	ug/L	1.0	0.03	1	05/13/13 19:36	5/13/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/13/13 19:36	5/13/13	
Iron, Total Recoverable	6010B	**200**	ug/L	100	3	1	05/13/13 22:11	5/13/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/13/13 19:36	5/13/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/13/13 12:56	5/10/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/13/13 19:36	5/13/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/13/13 19:36	5/13/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/13/13 19:36	5/13/13	
Sodium, Total Recoverable	6010B	**8.02**	mg/L	0.50	0.03	1	05/13/13 22:11	5/13/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/13/13 19:36	5/13/13	
Vanadium, Total Recoverable	6020	**0.4 I**	ug/L	2.0	0.3	1	05/13/13 19:36	5/13/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/13/13 19:36	5/13/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 07:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-1B	**Basis:**	NA
Lab Code:	J1302569-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.344**		mg/L	0.010	0.007	1	05/16/13 10:52	NA	
Chloride	300.0	**9.85**		mg/L	0.50	0.11	1	05/10/13 15:23	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/10/13 15:23	NA	
Phenolics, Total Recoverable	420.4	**18**	**IV**	ug/L	50	5	1	05/16/13 15:58	5/16/13	
Solids, Total Dissolved	SM 2540 C	**66**		mg/L	10	10	1	05/14/13 09:06	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RA	**Units:**	ug/L
Lab Code:	J1302569-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 19:03	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 19:03	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 19:03	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 19:03	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 19:03	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 19:03	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 19:03	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 19:03	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 19:03	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 19:03	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 19:03	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 19:03	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 19:03	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 19:03	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 19:03	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 19:03	
Acetone	5.6 U	50	5.6	1	05/14/13 19:03	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 19:03	
Benzene	0.21 U	1.0	0.21	1	05/14/13 19:03	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 19:03	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 19:03	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 19:03	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 19:03	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 19:03	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 19:03	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 19:03	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 19:03	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 19:03	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 19:03	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 19:03	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 19:03	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 19:03	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 19:03	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 19:03	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 19:03	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 19:03	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 19:03	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 19:03	
Styrene	0.29 U	1.0	0.29	1	05/14/13 19:03	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 19:03	
Toluene	0.19 U	1.0	0.19	1	05/14/13 19:03	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 19:03	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 19:03	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RA	**Units:**	ug/L
Lab Code:	J1302569-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 19:03	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 19:03	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 19:03	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 19:03	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 19:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	83	72 - 121	05/14/13 19:03	
4-Bromofluorobenzene	104	86 - 113	05/14/13 19:03	
Dibromofluoromethane	94	86 - 112	05/14/13 19:03	
Toluene-d8	104	88 - 115	05/14/13 19:03	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RA	**Units:**	ug/L
Lab Code:	J1302569-003	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.0201	0.00705	1	05/21/13 17:56	5/21/13	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	05/21/13 17:56	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	58	70 - 130	05/21/13 17:56	*

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RA	**Basis:**	NA
Lab Code:	J1302569-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/13/13 19:41	5/13/13	
Arsenic, Total Recoverable	6020	**0.6 I**	ug/L	1.0	0.5	1	05/13/13 19:41	5/13/13	
Barium, Total Recoverable	6020	**7.5**	ug/L	2.0	0.5	1	05/13/13 19:41	5/13/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/13/13 19:41	5/13/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/13/13 19:41	5/13/13	
Chromium, Total Recoverable	6020	**1.6**	ug/L	1.0	0.2	1	05/13/13 19:41	5/13/13	
Cobalt, Total Recoverable	6020	**0.3 I**	ug/L	1.0	0.03	1	05/13/13 19:41	5/13/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/13/13 19:41	5/13/13	
Iron, Total Recoverable	6010B	**1830**	ug/L	100	3	1	05/13/13 22:32	5/13/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/13/13 19:41	5/13/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/13/13 12:58	5/10/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/13/13 19:41	5/13/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/13/13 19:41	5/13/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/13/13 19:41	5/13/13	
Sodium, Total Recoverable	6010B	**27.5**	mg/L	0.50	0.03	1	05/13/13 22:32	5/13/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/13/13 19:41	5/13/13	
Vanadium, Total Recoverable	6020	**2.6**	ug/L	2.0	0.3	1	05/13/13 19:41	5/13/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/13/13 19:41	5/13/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RA	**Basis:**	NA
Lab Code:	J1302569-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.213**		mg/L	0.010	0.007	1	05/16/13 10:53	NA	
Chloride	300.0	**38.0**		mg/L	0.50	0.11	1	05/10/13 15:41	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/10/13 15:41	NA	
Phenolics, Total Recoverable	420.4	**16**	**IV**	ug/L	50	5	1	05/16/13 15:59	5/16/13	
Solids, Total Dissolved	SM 2540 C	**158**		mg/L	10	10	1	05/14/13 09:06	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:05
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RB	**Units:**	ug/L
Lab Code:	J1302569-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 19:33	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 19:33	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 19:33	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 19:33	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 19:33	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 19:33	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 19:33	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 19:33	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 19:33	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 19:33	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 19:33	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 19:33	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 19:33	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 19:33	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 19:33	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 19:33	
Acetone	5.6 U	50	5.6	1	05/14/13 19:33	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 19:33	
Benzene	0.21 U	1.0	0.21	1	05/14/13 19:33	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 19:33	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 19:33	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 19:33	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 19:33	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 19:33	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 19:33	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 19:33	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 19:33	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 19:33	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 19:33	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 19:33	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 19:33	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 19:33	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 19:33	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 19:33	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 19:33	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 19:33	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 19:33	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 19:33	
Styrene	0.29 U	1.0	0.29	1	05/14/13 19:33	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 19:33	
Toluene	0.19 U	1.0	0.19	1	05/14/13 19:33	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 19:33	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 19:33	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:05
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RB	**Units:**	ug/L
Lab Code:	J1302569-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 19:33	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 19:33	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 19:33	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 19:33	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 19:33	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	82	72 - 121	05/14/13 19:33	
4-Bromofluorobenzene	104	86 - 113	05/14/13 19:33	
Dibromofluoromethane	92	86 - 112	05/14/13 19:33	
Toluene-d8	104	88 - 115	05/14/13 19:33	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:05
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RB	**Units:**	ug/L
Lab Code:	J1302569-004	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.0201	0.00705	1	05/21/13 18:17	5/21/13	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	05/21/13 18:17	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	75	70 - 130	05/21/13 18:17	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:05
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RB	**Basis:**	NA
Lab Code:	J1302569-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/13/13 19:56	5/13/13	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/13/13 19:56	5/13/13	
Barium, Total Recoverable	6020	**53.9**	ug/L	2.0	0.5	1	05/13/13 19:56	5/13/13	
Beryllium, Total Recoverable	6020	**0.18 I**	ug/L	0.50	0.04	1	05/13/13 19:56	5/13/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/13/13 19:56	5/13/13	
Chromium, Total Recoverable	6020	**7.7**	ug/L	1.0	0.2	1	05/13/13 19:56	5/13/13	
Cobalt, Total Recoverable	6020	**0.9 I**	ug/L	1.0	0.03	1	05/13/13 19:56	5/13/13	
Copper, Total Recoverable	6020	**0.9 I**	ug/L	1.0	0.3	1	05/13/13 19:56	5/13/13	
Iron, Total Recoverable	6010B	**2110**	ug/L	100	3	1	05/13/13 22:37	5/13/13	
Lead, Total Recoverable	6020	**4.05**	ug/L	0.50	0.12	1	05/13/13 19:56	5/13/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/13/13 13:00	5/10/13	
Nickel, Total Recoverable	6020	**2.6**	ug/L	2.0	0.5	1	05/13/13 19:56	5/13/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/13/13 19:56	5/13/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/13/13 19:56	5/13/13	
Sodium, Total Recoverable	6010B	**16.6**	mg/L	0.50	0.03	1	05/13/13 22:37	5/13/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/13/13 19:56	5/13/13	
Vanadium, Total Recoverable	6020	**9.8**	ug/L	2.0	0.3	1	05/13/13 19:56	5/13/13	
Zinc, Total Recoverable	6020	**5.0 I**	ug/L	5.0	1.6	1	05/13/13 19:56	5/13/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 10:05
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-22RB	**Basis:**	NA
Lab Code:	J1302569-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.122**		mg/L	0.010	0.007	1	05/16/13 10:54	NA	
Chloride	300.0	**27.5**		mg/L	0.50	0.11	1	05/10/13 17:11	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/10/13 17:11	NA	
Phenolics, Total Recoverable	420.4	**18**	**IV**	ug/L	50	5	1	05/16/13 15:59	5/16/13	
Solids, Total Dissolved	SM 2540 C	**141**		mg/L	10	10	1	05/14/13 09:06	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 09:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23A	**Units:**	ug/L
Lab Code:	J1302569-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 20:03	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 20:03	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 20:03	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 20:03	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 20:03	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 20:03	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 20:03	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 20:03	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 20:03	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 20:03	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 20:03	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 20:03	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 20:03	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 20:03	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 20:03	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 20:03	
Acetone	5.6 U	50	5.6	1	05/14/13 20:03	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 20:03	
Benzene	**0.41 I**	1.0	0.21	1	05/14/13 20:03	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 20:03	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 20:03	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 20:03	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 20:03	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 20:03	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 20:03	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 20:03	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 20:03	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 20:03	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 20:03	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 20:03	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 20:03	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 20:03	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 20:03	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 20:03	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 20:03	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 20:03	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 20:03	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 20:03	
Styrene	0.29 U	1.0	0.29	1	05/14/13 20:03	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 20:03	
Toluene	0.19 U	1.0	0.19	1	05/14/13 20:03	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 20:03	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 20:03	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 09:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23A	**Units:**	ug/L
Lab Code:	J1302569-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 20:03	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 20:03	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 20:03	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 20:03	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 20:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	85	72 - 121	05/14/13 20:03	
4-Bromofluorobenzene	105	86 - 113	05/14/13 20:03	
Dibromofluoromethane	96	86 - 112	05/14/13 20:03	
Toluene-d8	102	88 - 115	05/14/13 20:03	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 09:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23A	**Units:**	ug/L
Lab Code:	J1302569-005	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0199	0.00700	1	05/22/13 19:40	5/22/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0199	0.00700	1	05/22/13 19:40	5/22/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	82	70 - 130	05/22/13 19:40	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 09:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23A	**Basis:**	NA
Lab Code:	J1302569-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/13/13 20:01	5/13/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/13/13 20:01	5/13/13	
Barium, Total Recoverable	6020	**13.7**		ug/L	2.0	0.5	1	05/13/13 20:01	5/13/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/13/13 20:01	5/13/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/13/13 20:01	5/13/13	
Chromium, Total Recoverable	6020	**2.3**		ug/L	1.0	0.2	1	05/13/13 20:01	5/13/13	
Cobalt, Total Recoverable	6020	**0.4**	**I**	ug/L	1.0	0.03	1	05/13/13 20:01	5/13/13	
Copper, Total Recoverable	6020	**0.4**	**I**	ug/L	1.0	0.3	1	05/13/13 20:01	5/13/13	
Iron, Total Recoverable	6010B	**1630**		ug/L	100	3	1	05/13/13 22:51	5/13/13	
Lead, Total Recoverable	6020	**0.42**	**I**	ug/L	0.50	0.12	1	05/13/13 20:01	5/13/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/13/13 13:01	5/10/13	
Nickel, Total Recoverable	6020	**1.1**	**I**	ug/L	2.0	0.5	1	05/13/13 20:01	5/13/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/13/13 20:01	5/13/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/13/13 20:01	5/13/13	
Sodium, Total Recoverable	6010B	**15.4**		mg/L	0.50	0.03	1	05/13/13 22:50	5/13/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/13/13 20:01	5/13/13	
Vanadium, Total Recoverable	6020	**4.0**		ug/L	2.0	0.3	1	05/13/13 20:01	5/13/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/13/13 20:01	5/13/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 09:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23A	**Basis:**	NA
Lab Code:	J1302569-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**4.90**		mg/L	0.010	0.007	1	05/16/13 10:55	NA	
Chloride	300.0	**22.0**		mg/L	0.50	0.11	1	05/10/13 17:29	NA	
Nitrate as Nitrogen	300.0	**0.14**	**I**	mg/L	0.20	0.03	1	05/10/13 17:29	NA	
Phenolics, Total Recoverable	420.4	**21**	**IV**	ug/L	50	5	1	05/16/13 16:00	5/16/13	
Solids, Total Dissolved	SM 2540 C	**245**		mg/L	10	10	1	05/14/13 09:06	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 08:45
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23B	**Units:**	ug/L
Lab Code:	J1302569-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 20:32	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 20:32	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 20:32	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 20:32	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 20:32	
1,1-Dichloroethene (1,1-DCE)	**0.24 I**	1.0	0.16	1	05/14/13 20:32	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 20:32	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 20:32	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 20:32	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 20:32	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 20:32	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 20:32	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 20:32	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 20:32	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 20:32	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 20:32	
Acetone	5.6 U	50	5.6	1	05/14/13 20:32	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 20:32	
Benzene	0.21 U	1.0	0.21	1	05/14/13 20:32	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 20:32	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 20:32	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 20:32	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 20:32	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 20:32	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 20:32	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 20:32	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 20:32	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 20:32	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 20:32	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 20:32	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 20:32	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 20:32	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 20:32	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 20:32	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 20:32	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 20:32	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 20:32	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 20:32	
Styrene	0.29 U	1.0	0.29	1	05/14/13 20:32	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 20:32	
Toluene	0.19 U	1.0	0.19	1	05/14/13 20:32	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 20:32	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 20:32	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 08:45
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23B	**Units:**	ug/L
Lab Code:	J1302569-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 20:32	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 20:32	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 20:32	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 20:32	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 20:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	83	72 - 121	05/14/13 20:32	
4-Bromofluorobenzene	104	86 - 113	05/14/13 20:32	
Dibromofluoromethane	94	86 - 112	05/14/13 20:32	
Toluene-d8	104	88 - 115	05/14/13 20:32	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 08:45
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23B	**Units:**	ug/L
Lab Code:	J1302569-006	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00705 U	0.0201	0.00705	1	05/21/13 19:21	5/21/13	
1,2-Dibromoethane (EDB)	0.00705 U	0.0201	0.00705	1	05/21/13 19:21	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	85	70 - 130	05/21/13 19:21	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 08:45
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23B	**Basis:**	NA
Lab Code:	J1302569-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/13/13 20:06	5/13/13	
Arsenic, Total Recoverable	6020	**0.6 I**	ug/L	1.0	0.5	1	05/13/13 20:06	5/13/13	
Barium, Total Recoverable	6020	**103**	ug/L	2.0	0.5	1	05/13/13 20:06	5/13/13	
Beryllium, Total Recoverable	6020	**0.18 I**	ug/L	0.50	0.04	1	05/13/13 20:06	5/13/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/13/13 20:06	5/13/13	
Chromium, Total Recoverable	6020	**0.3 I**	ug/L	1.0	0.2	1	05/13/13 20:06	5/13/13	
Cobalt, Total Recoverable	6020	**0.8 I**	ug/L	1.0	0.03	1	05/13/13 20:06	5/13/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/13/13 20:06	5/13/13	
Iron, Total Recoverable	6010B	**2350**	ug/L	100	3	1	05/13/13 22:55	5/13/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/13/13 20:06	5/13/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/13/13 13:03	5/10/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/13/13 20:06	5/13/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/13/13 20:06	5/13/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/13/13 20:06	5/13/13	
Sodium, Total Recoverable	6010B	**54.5**	mg/L	0.50	0.03	1	05/13/13 22:55	5/13/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/13/13 20:06	5/13/13	
Vanadium, Total Recoverable	6020	**1.5 I**	ug/L	2.0	0.3	1	05/13/13 20:06	5/13/13	
Zinc, Total Recoverable	6020	**5.5**	ug/L	5.0	1.6	1	05/13/13 20:06	5/13/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 08:45
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-23B	**Basis:**	NA
Lab Code:	J1302569-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**2.10**		mg/L	0.010	0.007	1	05/16/13 10:59	NA	
Chloride	300.0	**56.3**		mg/L	0.50	0.11	1	05/10/13 17:47	NA	
Nitrate as Nitrogen	300.0	**0.15**	**I**	mg/L	0.20	0.03	1	05/10/13 17:47	NA	
Phenolics, Total Recoverable	420.4	**22**	**IV**	ug/L	50	5	1	05/16/13 16:00	5/16/13	
Solids, Total Dissolved	SM 2540 C	**258**		mg/L	10	10	1	05/14/13 09:06	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 00:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Trip Blank-5	**Units:**	ug/L
Lab Code:	J1302569-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/15/13 04:58	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/15/13 04:58	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/15/13 04:58	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/15/13 04:58	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/15/13 04:58	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/15/13 04:58	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/15/13 04:58	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/15/13 04:58	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/15/13 04:58	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/15/13 04:58	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/15/13 04:58	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/15/13 04:58	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/15/13 04:58	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/15/13 04:58	
2-Hexanone	2.2 U	25	2.2	1	05/15/13 04:58	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/15/13 04:58	
Acetone	5.6 U	50	5.6	1	05/15/13 04:58	
Acrylonitrile	1.5 U	10	1.5	1	05/15/13 04:58	
Benzene	0.21 U	1.0	0.21	1	05/15/13 04:58	
Bromochloromethane	0.27 U	5.0	0.27	1	05/15/13 04:58	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/15/13 04:58	
Bromoform	0.42 U	2.0	0.42	1	05/15/13 04:58	
Bromomethane	0.23 U	5.0	0.23	1	05/15/13 04:58	
Carbon Disulfide	2.4 U	10	2.4	1	05/15/13 04:58	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/15/13 04:58	
Chlorobenzene	0.16 U	1.0	0.16	1	05/15/13 04:58	
Chloroethane	0.52 U	5.0	0.52	1	05/15/13 04:58	
Chloroform	0.35 U	1.0	0.35	1	05/15/13 04:58	
Chloromethane	0.36 U	1.0	0.36	1	05/15/13 04:58	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/15/13 04:58	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/15/13 04:58	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/15/13 04:58	
Dibromomethane	0.36 U	5.0	0.36	1	05/15/13 04:58	
Ethylbenzene	0.21 U	1.0	0.21	1	05/15/13 04:58	
Iodomethane	2.7 U	5.0	2.7	1	05/15/13 04:58	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/15/13 04:58	
Methylene Chloride	0.21 U	5.0	0.21	1	05/15/13 04:58	
o-Xylene	0.14 U	1.0	0.14	1	05/15/13 04:58	
Styrene	0.29 U	1.0	0.29	1	05/15/13 04:58	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/15/13 04:58	
Toluene	0.19 U	1.0	0.19	1	05/15/13 04:58	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/15/13 04:58	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/15/13 04:58	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 00:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Trip Blank-5	**Units:**	ug/L
Lab Code:	J1302569-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/15/13 04:58	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/15/13 04:58	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/15/13 04:58	
Vinyl Acetate	1.9 U	10	1.9	1	05/15/13 04:58	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/15/13 04:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	82	72 - 121	05/15/13 04:58	
4-Bromofluorobenzene	106	86 - 113	05/15/13 04:58	
Dibromofluoromethane	94	86 - 112	05/15/13 04:58	
Toluene-d8	102	88 - 115	05/15/13 04:58	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 13:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20A	**Units:**	ug/L
Lab Code:	J1302569-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 21:02	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 21:02	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 21:02	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 21:02	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 21:02	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 21:02	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 21:02	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 21:02	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 21:02	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 21:02	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 21:02	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 21:02	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 21:02	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 21:02	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 21:02	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 21:02	
Acetone	5.6 U	50	5.6	1	05/14/13 21:02	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 21:02	
Benzene	0.21 U	1.0	0.21	1	05/14/13 21:02	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 21:02	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 21:02	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 21:02	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 21:02	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 21:02	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 21:02	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 21:02	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 21:02	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 21:02	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 21:02	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 21:02	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 21:02	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 21:02	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 21:02	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 21:02	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 21:02	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 21:02	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 21:02	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 21:02	
Styrene	0.29 U	1.0	0.29	1	05/14/13 21:02	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 21:02	
Toluene	0.19 U	1.0	0.19	1	05/14/13 21:02	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 21:02	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 21:02	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 13:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20A	**Units:**	ug/L
Lab Code:	J1302569-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 21:02	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 21:02	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 21:02	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 21:02	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 21:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	83	72 - 121	05/14/13 21:02	
4-Bromofluorobenzene	107	86 - 113	05/14/13 21:02	
Dibromofluoromethane	93	86 - 112	05/14/13 21:02	
Toluene-d8	103	88 - 115	05/14/13 21:02	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 13:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20A	**Units:**	ug/L
Lab Code:	J1302569-008	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/21/13 19:42	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/21/13 19:42	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	76	70 - 130	05/21/13 19:42	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 13:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20A	**Basis:**	NA
Lab Code:	J1302569-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	**0.7**	**I**	ug/L	1.0	0.2	1	05/13/13 20:11	5/13/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/13/13 20:11	5/13/13	
Barium, Total Recoverable	6020	**22.0**		ug/L	2.0	0.5	1	05/13/13 20:11	5/13/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/13/13 20:11	5/13/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/13/13 20:11	5/13/13	
Chromium, Total Recoverable	6020	**0.6**	**I**	ug/L	1.0	0.2	1	05/13/13 20:11	5/13/13	
Cobalt, Total Recoverable	6020	**0.3**	**I**	ug/L	1.0	0.03	1	05/13/13 20:11	5/13/13	
Copper, Total Recoverable	6020	**0.3**	**I**	ug/L	1.0	0.3	1	05/13/13 20:11	5/13/13	
Iron, Total Recoverable	6010B	**250**		ug/L	100	3	1	05/13/13 22:59	5/13/13	
Lead, Total Recoverable	6020	**0.64**		ug/L	0.50	0.12	1	05/13/13 20:11	5/13/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/13/13 13:05	5/10/13	
Nickel, Total Recoverable	6020	**1.6**	**I**	ug/L	2.0	0.5	1	05/13/13 20:11	5/13/13	
Selenium, Total Recoverable	6020	**1.8**	**I**	ug/L	2.0	1.1	1	05/13/13 20:11	5/13/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/13/13 20:11	5/13/13	
Sodium, Total Recoverable	6010B	**3.90**		mg/L	0.50	0.03	1	05/13/13 22:59	5/13/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/13/13 20:11	5/13/13	
Vanadium, Total Recoverable	6020	**6.5**		ug/L	2.0	0.3	1	05/13/13 20:11	5/13/13	
Zinc, Total Recoverable	6020	**2.1**	**I**	ug/L	5.0	1.6	1	05/13/13 20:11	5/13/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 13:30
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20A	**Basis:**	NA
Lab Code:	J1302569-008		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.007	U	mg/L	0.010	0.007	1	05/16/13 11:00	NA	
Chloride	300.0	**4.95**		mg/L	0.50	0.11	1	05/10/13 18:05	NA	
Nitrate as Nitrogen	300.0	**0.23**		mg/L	0.20	0.03	1	05/10/13 18:05	NA	
Phenolics, Total Recoverable	420.4	**20**	**IV**	ug/L	50	5	1	05/16/13 16:01	5/16/13	
Solids, Total Dissolved	SM 2540 C	**368**		mg/L	10	10	1	05/14/13 09:06	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20B	**Units:**	ug/L
Lab Code:	J1302569-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 21:32	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 21:32	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 21:32	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 21:32	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 21:32	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 21:32	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 21:32	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 21:32	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 21:32	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 21:32	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 21:32	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 21:32	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 21:32	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 21:32	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 21:32	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 21:32	
Acetone	5.6 U	50	5.6	1	05/14/13 21:32	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 21:32	
Benzene	0.21 U	1.0	0.21	1	05/14/13 21:32	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 21:32	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 21:32	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 21:32	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 21:32	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 21:32	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 21:32	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 21:32	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 21:32	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 21:32	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 21:32	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 21:32	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 21:32	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 21:32	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 21:32	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 21:32	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 21:32	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 21:32	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 21:32	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 21:32	
Styrene	0.29 U	1.0	0.29	1	05/14/13 21:32	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 21:32	
Toluene	0.19 U	1.0	0.19	1	05/14/13 21:32	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 21:32	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 21:32	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20B	**Units:**	ug/L
Lab Code:	J1302569-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 21:32	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 21:32	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 21:32	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 21:32	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 21:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	83	72 - 121	05/14/13 21:32	
4-Bromofluorobenzene	103	86 - 113	05/14/13 21:32	
Dibromofluoromethane	94	86 - 112	05/14/13 21:32	
Toluene-d8	104	88 - 115	05/14/13 21:32	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20B	**Units:**	ug/L
Lab Code:	J1302569-009	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/21/13 20:03	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/21/13 20:03	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	92	70 - 130	05/21/13 20:03	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20B	**Basis:**	NA
Lab Code:	J1302569-009		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/13/13 20:16	5/13/13	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/13/13 20:16	5/13/13	
Barium, Total Recoverable	6020	**58.2**	ug/L	2.0	0.5	1	05/13/13 20:16	5/13/13	
Beryllium, Total Recoverable	6020	**0.17 I**	ug/L	0.50	0.04	1	05/13/13 20:16	5/13/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/13/13 20:16	5/13/13	
Chromium, Total Recoverable	6020	**7.0**	ug/L	1.0	0.2	1	05/13/13 20:16	5/13/13	
Cobalt, Total Recoverable	6020	**0.3 I**	ug/L	1.0	0.03	1	05/13/13 20:16	5/13/13	
Copper, Total Recoverable	6020	**1.6**	ug/L	1.0	0.3	1	05/13/13 20:16	5/13/13	
Iron, Total Recoverable	6010B	**1440**	ug/L	100	3	1	05/13/13 23:04	5/13/13	
Lead, Total Recoverable	6020	**2.83**	ug/L	0.50	0.12	1	05/13/13 20:16	5/13/13	
Mercury, Total	7470A	**0.04 I**	ug/L	0.10	0.02	1	05/13/13 13:07	5/10/13	
Nickel, Total Recoverable	6020	**1.7 I**	ug/L	2.0	0.5	1	05/13/13 20:16	5/13/13	
Selenium, Total Recoverable	6020	**2.5**	ug/L	2.0	1.1	1	05/13/13 20:16	5/13/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/13/13 20:16	5/13/13	
Sodium, Total Recoverable	6010B	**15.8**	mg/L	0.50	0.03	1	05/13/13 23:04	5/13/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/13/13 20:16	5/13/13	
Vanadium, Total Recoverable	6020	**10.0**	ug/L	2.0	0.3	1	05/13/13 20:16	5/13/13	
Zinc, Total Recoverable	6020	**4.1 I**	ug/L	5.0	1.6	1	05/13/13 20:16	5/13/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-20B	**Basis:**	NA
Lab Code:	J1302569-009		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.157**		mg/L	0.010	0.007	1	05/16/13 11:01	NA	
Chloride	300.0	**24.9**		mg/L	0.50	0.11	1	05/10/13 18:23	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/10/13 18:23	NA	
Phenolics, Total Recoverable	420.4	**25**	**IV**	ug/L	50	5	1	05/16/13 16:02	5/16/13	
Solids, Total Dissolved	SM 2540 C	**131**		mg/L	10	10	1	05/14/13 09:06	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 12:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21A	**Units:**	ug/L
Lab Code:	J1302569-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 22:02	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 22:02	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 22:02	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 22:02	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 22:02	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 22:02	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 22:02	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 22:02	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 22:02	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 22:02	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 22:02	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 22:02	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 22:02	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 22:02	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 22:02	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 22:02	
Acetone	5.6 U	50	5.6	1	05/14/13 22:02	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 22:02	
Benzene	0.21 U	1.0	0.21	1	05/14/13 22:02	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 22:02	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 22:02	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 22:02	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 22:02	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 22:02	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 22:02	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 22:02	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 22:02	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 22:02	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 22:02	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 22:02	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 22:02	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 22:02	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 22:02	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 22:02	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 22:02	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 22:02	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 22:02	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 22:02	
Styrene	0.29 U	1.0	0.29	1	05/14/13 22:02	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 22:02	
Toluene	0.19 U	1.0	0.19	1	05/14/13 22:02	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 22:02	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 22:02	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 12:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21A	**Units:**	ug/L
Lab Code:	J1302569-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 22:02	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 22:02	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 22:02	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 22:02	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 22:02	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	84	72 - 121	05/14/13 22:02	
4-Bromofluorobenzene	106	86 - 113	05/14/13 22:02	
Dibromofluoromethane	93	86 - 112	05/14/13 22:02	
Toluene-d8	102	88 - 115	05/14/13 22:02	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 12:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21A	**Units:**	ug/L
Lab Code:	J1302569-010	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/21/13 20:25	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/21/13 20:25	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	86	70 - 130	05/21/13 20:25	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 12:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21A	**Basis:**	NA
Lab Code:	J1302569-010		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/13/13 20:21	5/13/13	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/13/13 20:21	5/13/13	
Barium, Total Recoverable	6020	**107**	ug/L	2.0	0.5	1	05/13/13 20:21	5/13/13	
Beryllium, Total Recoverable	6020	**0.17 I**	ug/L	0.50	0.04	1	05/13/13 20:21	5/13/13	
Cadmium, Total Recoverable	6020	**0.41**	ug/L	0.40	0.10	1	05/13/13 20:21	5/13/13	
Chromium, Total Recoverable	6020	**0.7 I**	ug/L	1.0	0.2	1	05/13/13 20:21	5/13/13	
Cobalt, Total Recoverable	6020	**2.0**	ug/L	1.0	0.03	1	05/13/13 20:21	5/13/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/13/13 20:21	5/13/13	
Iron, Total Recoverable	6010B	**650**	ug/L	100	3	1	05/13/13 23:09	5/13/13	
Lead, Total Recoverable	6020	**0.72**	ug/L	0.50	0.12	1	05/13/13 20:21	5/13/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/13/13 13:13	5/10/13	
Nickel, Total Recoverable	6020	**2.1**	ug/L	2.0	0.5	1	05/13/13 20:21	5/13/13	
Selenium, Total Recoverable	6020	**1.6 I**	ug/L	2.0	1.1	1	05/13/13 20:21	5/13/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/13/13 20:21	5/13/13	
Sodium, Total Recoverable	6010B	**9.45**	mg/L	0.50	0.03	1	05/13/13 23:09	5/13/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/13/13 20:21	5/13/13	
Vanadium, Total Recoverable	6020	**5.5**	ug/L	2.0	0.3	1	05/13/13 20:21	5/13/13	
Zinc, Total Recoverable	6020	**5.1**	ug/L	5.0	1.6	1	05/13/13 20:21	5/13/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 12:15
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21A	**Basis:**	NA
Lab Code:	J1302569-010		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.148**		mg/L	0.010	0.007	1	05/16/13 11:02	NA	
Chloride	300.0	**10.3**		mg/L	0.50	0.11	1	05/10/13 18:41	NA	
Nitrate as Nitrogen	300.0	**1.18**		mg/L	0.20	0.03	1	05/10/13 18:41	NA	
Phenolics, Total Recoverable	420.4	**19**	**IV**	ug/L	50	5	1	05/16/13 16:02	5/16/13	
Solids, Total Dissolved	SM 2540 C	**344**		mg/L	10	10	1	05/14/13 09:06	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 11:50
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21B	**Units:**	ug/L
Lab Code:	J1302569-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 22:32	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 22:32	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 22:32	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 22:32	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 22:32	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 22:32	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 22:32	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 22:32	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 22:32	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 22:32	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 22:32	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 22:32	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 22:32	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 22:32	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 22:32	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 22:32	
Acetone	5.6 U	50	5.6	1	05/14/13 22:32	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 22:32	
Benzene	0.21 U	1.0	0.21	1	05/14/13 22:32	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 22:32	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 22:32	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 22:32	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 22:32	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 22:32	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 22:32	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 22:32	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 22:32	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 22:32	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 22:32	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 22:32	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 22:32	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 22:32	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 22:32	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 22:32	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 22:32	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 22:32	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 22:32	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 22:32	
Styrene	0.29 U	1.0	0.29	1	05/14/13 22:32	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 22:32	
Toluene	0.19 U	1.0	0.19	1	05/14/13 22:32	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 22:32	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 22:32	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 11:50
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21B	**Units:**	ug/L
Lab Code:	J1302569-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 22:32	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 22:32	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 22:32	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 22:32	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 22:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	84	72 - 121	05/14/13 22:32	
4-Bromofluorobenzene	105	86 - 113	05/14/13 22:32	
Dibromofluoromethane	94	86 - 112	05/14/13 22:32	
Toluene-d8	103	88 - 115	05/14/13 22:32	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 11:50
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21B	**Units:**	ug/L
Lab Code:	J1302569-011	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0196	0.00700	1	05/21/13 21:28	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0196	0.00700	1	05/21/13 21:28	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	82	70 - 130	05/21/13 21:28	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 11:50
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21B	**Basis:**	NA
Lab Code:	J1302569-011		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/13/13 20:27	5/13/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/13/13 20:27	5/13/13	
Barium, Total Recoverable	6020	**12.1**		ug/L	2.0	0.5	1	05/13/13 20:27	5/13/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/13/13 20:27	5/13/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/13/13 20:27	5/13/13	
Chromium, Total Recoverable	6020	**0.8**	**I**	ug/L	1.0	0.2	1	05/13/13 20:27	5/13/13	
Cobalt, Total Recoverable	6020	**0.2**	**I**	ug/L	1.0	0.03	1	05/13/13 20:27	5/13/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/13/13 20:27	5/13/13	
Iron, Total Recoverable	6010B	**1960**		ug/L	100	3	1	05/13/13 23:13	5/13/13	
Lead, Total Recoverable	6020	**0.38**	**I**	ug/L	0.50	0.12	1	05/13/13 20:27	5/13/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/13/13 13:15	5/10/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/13/13 20:27	5/13/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/13/13 20:27	5/13/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/13/13 20:27	5/13/13	
Sodium, Total Recoverable	6010B	**15.5**		mg/L	0.50	0.03	1	05/13/13 23:13	5/13/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/13/13 20:27	5/13/13	
Vanadium, Total Recoverable	6020	**0.4**	**I**	ug/L	2.0	0.3	1	05/13/13 20:27	5/13/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/13/13 20:27	5/13/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 11:50
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	MW-21B	**Basis:**	NA
Lab Code:	J1302569-011		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.147**		mg/L	0.010	0.007	1	05/16/13 11:02	NA	
Chloride	300.0	**26.0**		mg/L	0.50	0.11	1	05/10/13 18:59	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/10/13 18:59	NA	
Phenolics, Total Recoverable	420.4	**18**	**IV**	ug/L	50	5	1	05/16/13 16:03	5/16/13	
Solids, Total Dissolved	SM 2540 C	**86**		mg/L	10	10	1	05/14/13 09:06	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:40
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Equipment Blank-2	**Units:**	ug/L
Lab Code:	J1302569-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/15/13 04:28	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/15/13 04:28	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/15/13 04:28	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/15/13 04:28	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/15/13 04:28	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/15/13 04:28	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/15/13 04:28	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/15/13 04:28	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/15/13 04:28	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/15/13 04:28	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/15/13 04:28	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/15/13 04:28	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/15/13 04:28	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/15/13 04:28	
2-Hexanone	2.2 U	25	2.2	1	05/15/13 04:28	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/15/13 04:28	
Acetone	5.6 U	50	5.6	1	05/15/13 04:28	
Acrylonitrile	1.5 U	10	1.5	1	05/15/13 04:28	
Benzene	0.21 U	1.0	0.21	1	05/15/13 04:28	
Bromochloromethane	0.27 U	5.0	0.27	1	05/15/13 04:28	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/15/13 04:28	
Bromoform	0.42 U	2.0	0.42	1	05/15/13 04:28	
Bromomethane	0.23 U	5.0	0.23	1	05/15/13 04:28	
Carbon Disulfide	2.4 U	10	2.4	1	05/15/13 04:28	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/15/13 04:28	
Chlorobenzene	0.16 U	1.0	0.16	1	05/15/13 04:28	
Chloroethane	0.52 U	5.0	0.52	1	05/15/13 04:28	
Chloroform	**0.38 I**	1.0	0.35	1	05/15/13 04:28	
Chloromethane	0.36 U	1.0	0.36	1	05/15/13 04:28	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/15/13 04:28	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/15/13 04:28	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/15/13 04:28	
Dibromomethane	0.36 U	5.0	0.36	1	05/15/13 04:28	
Ethylbenzene	0.21 U	1.0	0.21	1	05/15/13 04:28	
Iodomethane	2.7 U	5.0	2.7	1	05/15/13 04:28	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/15/13 04:28	
Methylene Chloride	**6.5**	5.0	0.21	1	05/15/13 04:28	
o-Xylene	0.14 U	1.0	0.14	1	05/15/13 04:28	
Styrene	0.29 U	1.0	0.29	1	05/15/13 04:28	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/15/13 04:28	
Toluene	0.19 U	1.0	0.19	1	05/15/13 04:28	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/15/13 04:28	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/15/13 04:28	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:40
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Equipment Blank-2	**Units:**	ug/L
Lab Code:	J1302569-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/15/13 04:28	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/15/13 04:28	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/15/13 04:28	
Vinyl Acetate	1.9 U	10	1.9	1	05/15/13 04:28	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/15/13 04:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	81	72 - 121	05/15/13 04:28	
4-Bromofluorobenzene	105	86 - 113	05/15/13 04:28	
Dibromofluoromethane	92	86 - 112	05/15/13 04:28	
Toluene-d8	105	88 - 115	05/15/13 04:28	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:40
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Equipment Blank-2	**Units:**	ug/L
Lab Code:	J1302569-012	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00711 U	0.0203	0.00711	1	05/21/13 21:50	5/21/13	
1,2-Dibromoethane (EDB)	0.00711 U	0.0203	0.00711	1	05/21/13 21:50	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	101	70 - 130	05/21/13 21:50	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:40
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Equipment Blank-2	**Basis:**	NA
Lab Code:	J1302569-012		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/13/13 20:32	5/13/13	
Arsenic, Total Recoverable	6020	0.5 U	ug/L	1.0	0.5	1	05/13/13 20:32	5/13/13	
Barium, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/13/13 20:32	5/13/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/13/13 20:32	5/13/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/13/13 20:32	5/13/13	
Chromium, Total Recoverable	6020	**0.3 I**	ug/L	1.0	0.2	1	05/13/13 20:32	5/13/13	
Cobalt, Total Recoverable	6020	0.03 U	ug/L	1.0	0.03	1	05/13/13 20:32	5/13/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/13/13 20:32	5/13/13	
Iron, Total Recoverable	6010B	3 U	ug/L	100	3	1	05/13/13 23:18	5/13/13	
Lead, Total Recoverable	6020	0.12 U	ug/L	0.50	0.12	1	05/13/13 20:32	5/13/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/13/13 13:16	5/10/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/13/13 20:32	5/13/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/13/13 20:32	5/13/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/13/13 20:32	5/13/13	
Sodium, Total Recoverable	6010B	0.03 U	mg/L	0.50	0.03	1	05/13/13 23:18	5/13/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/13/13 20:32	5/13/13	
Vanadium, Total Recoverable	6020	0.3 U	ug/L	2.0	0.3	1	05/13/13 20:32	5/13/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/13/13 20:32	5/13/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 14:40
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Equipment Blank-2	**Basis:**	NA
Lab Code:	J1302569-012		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.007	U	mg/L	0.010	0.007	1	05/16/13 11:03	NA	
Chloride	300.0	0.11	U	mg/L	0.50	0.11	1	05/10/13 19:17	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/10/13 19:17	NA	
Phenolics, Total Recoverable	420.4	**27**	**IV**	ug/L	50	5	1	05/16/13 16:08	5/16/13	
Solids, Total Dissolved	SM 2540 C	**10**		mg/L	10	10	1	05/14/13 09:06	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 00:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Trip Blank-6	**Units:**	ug/L
Lab Code:	J1302569-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/15/13 03:59	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/15/13 03:59	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/15/13 03:59	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/15/13 03:59	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/15/13 03:59	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/15/13 03:59	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/15/13 03:59	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/15/13 03:59	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/15/13 03:59	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/15/13 03:59	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/15/13 03:59	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/15/13 03:59	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/15/13 03:59	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/15/13 03:59	
2-Hexanone	2.2 U	25	2.2	1	05/15/13 03:59	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/15/13 03:59	
Acetone	5.6 U	50	5.6	1	05/15/13 03:59	
Acrylonitrile	1.5 U	10	1.5	1	05/15/13 03:59	
Benzene	0.21 U	1.0	0.21	1	05/15/13 03:59	
Bromochloromethane	0.27 U	5.0	0.27	1	05/15/13 03:59	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/15/13 03:59	
Bromoform	0.42 U	2.0	0.42	1	05/15/13 03:59	
Bromomethane	0.23 U	5.0	0.23	1	05/15/13 03:59	
Carbon Disulfide	2.4 U	10	2.4	1	05/15/13 03:59	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/15/13 03:59	
Chlorobenzene	0.16 U	1.0	0.16	1	05/15/13 03:59	
Chloroethane	0.52 U	5.0	0.52	1	05/15/13 03:59	
Chloroform	0.35 U	1.0	0.35	1	05/15/13 03:59	
Chloromethane	0.36 U	1.0	0.36	1	05/15/13 03:59	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/15/13 03:59	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/15/13 03:59	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/15/13 03:59	
Dibromomethane	0.36 U	5.0	0.36	1	05/15/13 03:59	
Ethylbenzene	0.21 U	1.0	0.21	1	05/15/13 03:59	
Iodomethane	2.7 U	5.0	2.7	1	05/15/13 03:59	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/15/13 03:59	
Methylene Chloride	0.21 U	5.0	0.21	1	05/15/13 03:59	
o-Xylene	0.14 U	1.0	0.14	1	05/15/13 03:59	
Styrene	0.29 U	1.0	0.29	1	05/15/13 03:59	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/15/13 03:59	
Toluene	0.19 U	1.0	0.19	1	05/15/13 03:59	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/15/13 03:59	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/15/13 03:59	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	05/09/13 00:00
Sample Matrix:	Water	**Date Received:**	05/10/13 09:53
Sample Name:	Trip Blank-6	**Units:**	ug/L
Lab Code:	J1302569-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/15/13 03:59	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/15/13 03:59	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/15/13 03:59	
Vinyl Acetate	1.9 U	10	1.9	1	05/15/13 03:59	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/15/13 03:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	85	72 - 121	05/15/13 03:59	
4-Bromofluorobenzene	104	86 - 113	05/15/13 03:59	
Dibromofluoromethane	95	86 - 112	05/15/13 03:59	
Toluene-d8	104	88 - 115	05/15/13 03:59	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303346-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/14/13 13:36	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/14/13 13:36	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/14/13 13:36	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/14/13 13:36	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/14/13 13:36	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/14/13 13:36	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/14/13 13:36	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/14/13 13:36	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/14/13 13:36	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/14/13 13:36	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/14/13 13:36	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/14/13 13:36	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/14/13 13:36	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/14/13 13:36	
2-Hexanone	2.2 U	25	2.2	1	05/14/13 13:36	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/14/13 13:36	
Acetone	5.6 U	50	5.6	1	05/14/13 13:36	
Acrylonitrile	1.5 U	10	1.5	1	05/14/13 13:36	
Benzene	0.21 U	1.0	0.21	1	05/14/13 13:36	
Bromochloromethane	0.27 U	5.0	0.27	1	05/14/13 13:36	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/14/13 13:36	
Bromoform	0.42 U	2.0	0.42	1	05/14/13 13:36	
Bromomethane	0.23 U	5.0	0.23	1	05/14/13 13:36	
Carbon Disulfide	2.4 U	10	2.4	1	05/14/13 13:36	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/14/13 13:36	
Chlorobenzene	0.16 U	1.0	0.16	1	05/14/13 13:36	
Chloroethane	0.52 U	5.0	0.52	1	05/14/13 13:36	
Chloroform	0.35 U	1.0	0.35	1	05/14/13 13:36	
Chloromethane	0.36 U	1.0	0.36	1	05/14/13 13:36	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/14/13 13:36	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/14/13 13:36	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/14/13 13:36	
Dibromomethane	0.36 U	5.0	0.36	1	05/14/13 13:36	
Ethylbenzene	0.21 U	1.0	0.21	1	05/14/13 13:36	
Iodomethane	2.7 U	5.0	2.7	1	05/14/13 13:36	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/14/13 13:36	
Methylene Chloride	0.21 U	5.0	0.21	1	05/14/13 13:36	
o-Xylene	0.14 U	1.0	0.14	1	05/14/13 13:36	
Styrene	0.29 U	1.0	0.29	1	05/14/13 13:36	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/14/13 13:36	
Toluene	0.19 U	1.0	0.19	1	05/14/13 13:36	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/14/13 13:36	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/14/13 13:36	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303346-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/14/13 13:36	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/14/13 13:36	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/14/13 13:36	
Vinyl Acetate	1.9 U	10	1.9	1	05/14/13 13:36	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/14/13 13:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	85	72 - 121	05/14/13 13:36	
4-Bromofluorobenzene	107	86 - 113	05/14/13 13:36	
Dibromofluoromethane	93	86 - 112	05/14/13 13:36	
Toluene-d8	103	88 - 115	05/14/13 13:36	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303365-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/15/13 03:29	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/15/13 03:29	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/15/13 03:29	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/15/13 03:29	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/15/13 03:29	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/15/13 03:29	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/15/13 03:29	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/15/13 03:29	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/15/13 03:29	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/15/13 03:29	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/15/13 03:29	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/15/13 03:29	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/15/13 03:29	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/15/13 03:29	
2-Hexanone	2.2 U	25	2.2	1	05/15/13 03:29	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/15/13 03:29	
Acetone	5.6 U	50	5.6	1	05/15/13 03:29	
Acrylonitrile	1.5 U	10	1.5	1	05/15/13 03:29	
Benzene	0.21 U	1.0	0.21	1	05/15/13 03:29	
Bromochloromethane	0.27 U	5.0	0.27	1	05/15/13 03:29	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/15/13 03:29	
Bromoform	0.42 U	2.0	0.42	1	05/15/13 03:29	
Bromomethane	0.23 U	5.0	0.23	1	05/15/13 03:29	
Carbon Disulfide	2.4 U	10	2.4	1	05/15/13 03:29	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/15/13 03:29	
Chlorobenzene	0.16 U	1.0	0.16	1	05/15/13 03:29	
Chloroethane	0.52 U	5.0	0.52	1	05/15/13 03:29	
Chloroform	0.35 U	1.0	0.35	1	05/15/13 03:29	
Chloromethane	0.36 U	1.0	0.36	1	05/15/13 03:29	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/15/13 03:29	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/15/13 03:29	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/15/13 03:29	
Dibromomethane	0.36 U	5.0	0.36	1	05/15/13 03:29	
Ethylbenzene	0.21 U	1.0	0.21	1	05/15/13 03:29	
Iodomethane	2.7 U	5.0	2.7	1	05/15/13 03:29	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/15/13 03:29	
Methylene Chloride	0.21 U	5.0	0.21	1	05/15/13 03:29	
o-Xylene	0.14 U	1.0	0.14	1	05/15/13 03:29	
Styrene	0.29 U	1.0	0.29	1	05/15/13 03:29	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/15/13 03:29	
Toluene	0.19 U	1.0	0.19	1	05/15/13 03:29	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/15/13 03:29	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/15/13 03:29	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303365-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/15/13 03:29	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/15/13 03:29	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/15/13 03:29	
Vinyl Acetate	1.9 U	10	1.9	1	05/15/13 03:29	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/15/13 03:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	82	72 - 121	05/15/13 03:29	
4-Bromofluorobenzene	106	86 - 113	05/15/13 03:29	
Dibromofluoromethane	93	86 - 112	05/15/13 03:29	
Toluene-d8	104	88 - 115	05/15/13 03:29	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303517-01	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/21/13 11:29	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/21/13 11:29	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	105	70 - 130	05/21/13 11:29	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303519-01	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/21/13 20:46	5/21/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/21/13 20:46	5/21/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	101	70 - 130	05/21/13 20:46	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303557-01	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/22/13 18:15	5/22/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/22/13 18:15	5/22/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	106	70 - 130	05/22/13 18:15	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302569-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/13/13 18:56	5/13/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/13/13 18:56	5/13/13	
Barium, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/13/13 18:56	5/13/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/13/13 18:56	5/13/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/13/13 18:56	5/13/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/13/13 18:56	5/13/13	
Cobalt, Total Recoverable	6020	0.03	U	ug/L	1.0	0.03	1	05/13/13 18:56	5/13/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/13/13 18:56	5/13/13	
Iron, Total Recoverable	6010B	**3**	**I**	ug/L	100	3	1	05/13/13 21:40	5/13/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/13/13 18:56	5/13/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/13/13 12:01	5/10/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/13/13 18:56	5/13/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/13/13 18:56	5/13/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/13/13 18:56	5/13/13	
Sodium, Total Recoverable	6010B	0.03	U	mg/L	0.50	0.03	1	05/13/13 21:39	5/13/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/13/13 18:56	5/13/13	
Vanadium, Total Recoverable	6020	0.3	U	ug/L	2.0	0.3	1	05/13/13 18:56	5/13/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/13/13 18:56	5/13/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302569-MB		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	0.007	U	mg/L	0.010	0.007	1	05/16/13 10:47	NA	
Chloride	300.0	0.11	U	mg/L	0.50	0.11	1	05/10/13 13:52	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/10/13 13:52	NA	
Phenolics, Total Recoverable	420.4	**8**	**I**	ug/L	50	5	1	05/16/13 15:49	5/16/13	
Solids, Total Dissolved	SM 2540 C	10	U	mg/L	10	10	1	05/14/13 09:06	NA	

Client: Waste Services of Florida, Inc. **Service Request:** J1302569

Project: JED SWDF

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4 72 - 121	4-Bromofluorobenzene 86 - 113	Dibromofluoromethane 86 - 112
MW-1A	J1302569-001	86	104	95
MW-1B	J1302569-002	82	105	94
MW-22RA	J1302569-003	83	104	94
MW-22RB	J1302569-004	82	104	92
MW-23A	J1302569-005	85	105	96
MW-23B	J1302569-006	83	104	94
Trip Blank-5	J1302569-007	82	106	94
MW-20A	J1302569-008	83	107	93
MW-20B	J1302569-009	83	103	94
MW-21A	J1302569-010	84	106	93
MW-21B	J1302569-011	84	105	94
Equipment Blank-2	J1302569-012	81	105	92
Trip Blank-6	J1302569-013	85	104	95
Lab Control Sample	JQ1303346-03	80	100	93
Method Blank	JQ1303346-04	85	107	93
Lab Control Sample	JQ1303365-03	82	101	93
Method Blank	JQ1303365-04	82	106	93

Client: Waste Services of Florida, Inc. **Service Request:** J1302569
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8 88 - 115
MW-1A	J1302569-001	102
MW-1B	J1302569-002	105
MW-22RA	J1302569-003	104
MW-22RB	J1302569-004	104
MW-23A	J1302569-005	102
MW-23B	J1302569-006	104
Trip Blank-5	J1302569-007	102
MW-20A	J1302569-008	103
MW-20B	J1302569-009	104
MW-21A	J1302569-010	102
MW-21B	J1302569-011	103
Equipment Blank-2	J1302569-012	105
Trip Blank-6	J1302569-013	104
Lab Control Sample	JQ1303346-03	103
Method Blank	JQ1303346-04	103
Lab Control Sample	JQ1303365-03	104
Method Blank	JQ1303365-04	104

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**05/14/13
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340467

Lab Control Sample
JQ1303346-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.6	20.0	98	77-118
1,1,1-Trichloroethane (TCA)	18.1	20.0	90	70-122
1,1,2,2-Tetrachloroethane	20.2	20.0	101	66-135
1,1,2-Trichloroethane	20.0	20.0	100	75-122
1,1-Dichloroethane (1,1-DCA)	19.4	20.0	97	79-117
1,1-Dichloroethene (1,1-DCE)	19.5	20.0	97	72-128
1,2,3-Trichloropropane	19.1	20.0	95	70-123
1,2-Dibromo-3-chloropropane (DBCP)	21.3	20.0	107	60-122
1,2-Dibromoethane (EDB)	19.0	20.0	95	76-118
1,2-Dichlorobenzene	20.2	20.0	101	81-115
1,2-Dichloroethane	16.1	20.0	80	70-117
1,2-Dichloropropane	19.4	20.0	97	79-117
1,4-Dichlorobenzene	20.5	20.0	102	82-115
2-Butanone (MEK)	104	100	104	62-138
2-Hexanone	101	100	101	74-127
4-Methyl-2-pentanone (MIBK)	97.9	100	98	77-120
Acetone	86.8	100	87	42-161
Acrylonitrile	96.3	100	96	63-132
Benzene	20.0	20.0	100	80-117
Bromochloromethane	18.8	20.0	94	78-118
Bromodichloromethane	18.4	20.0	92	75-118
Bromoform	17.6	20.0	88	63-121
Bromomethane	19.8	20.0	99	31-153
Carbon Disulfide	109	100	109	72-128
Carbon Tetrachloride	18.2	20.0	91	67-124
Chlorobenzene	20.5	20.0	102	83-118
Chloroethane	20.3	20.0	101	68-132
Chloroform	18.1	20.0	90	77-116
Chloromethane	20.7	20.0	104	60-128
cis-1,2-Dichloroethene	18.6	20.0	93	78-117
cis-1,3-Dichloropropene	21.6	20.0	108	80-119
Dibromochloromethane	19.1	20.0	96	74-121
Dibromomethane	17.7	20.0	88	76-117
Ethylbenzene	21.0	20.0	105	82-119
Iodomethane	102	100	102	51-137
m,p-Xylenes	42.3	40.0	106	79-122
Methylene Chloride	19.5	20.0	98	75-123
o-Xylene	20.9	20.0	105	80-119
Styrene	21.4	20.0	107	80-121
Tetrachloroethene (PCE)	21.2	20.0	106	75-126
Toluene	21.2	20.0	106	52-152

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**05/14/13
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340467

Lab Control Sample
JQ1303346-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	19.3	20.0	96	75-121
trans-1,3-Dichloropropene	21.8	20.0	109	76-118
trans-1,4-Dichloro-2-butene	17.6	20.0	88	10-198
Trichloroethene (TCE)	19.2	20.0	96	78-122
Trichlorofluoromethane	19.4	20.0	97	58-134
Vinyl Acetate	107	100	107	36-169
Vinyl Chloride	21.1	20.0	106	69-138

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**05/15/13
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340576

Lab Control Sample
JQ1303365-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.1	20.0	95	77-118
1,1,1-Trichloroethane (TCA)	17.2	20.0	86	70-122
1,1,2,2-Tetrachloroethane	20.1	20.0	101	66-135
1,1,2-Trichloroethane	19.8	20.0	99	75-122
1,1-Dichloroethane (1,1-DCA)	18.8	20.0	94	79-117
1,1-Dichloroethene (1,1-DCE)	18.5	20.0	92	72-128
1,2,3-Trichloropropane	18.6	20.0	93	70-123
1,2-Dibromo-3-chloropropane (DBCP)	20.1	20.0	101	60-122
1,2-Dibromoethane (EDB)	19.2	20.0	96	76-118
1,2-Dichlorobenzene	19.1	20.0	96	81-115
1,2-Dichloroethane	15.4	20.0	77	70-117
1,2-Dichloropropane	19.2	20.0	96	79-117
1,4-Dichlorobenzene	19.4	20.0	97	82-115
2-Butanone (MEK)	99.8	100	100	62-138
2-Hexanone	97.4	100	97	74-127
4-Methyl-2-pentanone (MIBK)	96.8	100	97	77-120
Acetone	86.9	100	87	42-161
Acrylonitrile	98.3	100	98	63-132
Benzene	19.3	20.0	97	80-117
Bromochloromethane	18.7	20.0	94	78-118
Bromodichloromethane	18.3	20.0	91	75-118
Bromoform	17.3	20.0	86	63-121
Bromomethane	18.6	20.0	93	31-153
Carbon Disulfide	105	100	105	72-128
Carbon Tetrachloride	16.7	20.0	84	67-124
Chlorobenzene	19.5	20.0	97	83-118
Chloroethane	18.8	20.0	94	68-132
Chloroform	17.8	20.0	89	77-116
Chloromethane	19.5	20.0	98	60-128
cis-1,2-Dichloroethene	18.1	20.0	91	78-117
cis-1,3-Dichloropropene	20.5	20.0	102	80-119
Dibromochloromethane	18.9	20.0	94	74-121
Dibromomethane	18.6	20.0	93	76-117
Ethylbenzene	20.0	20.0	100	82-119
Iodomethane	98.1	100	98	51-137
m,p-Xylenes	40.3	40.0	101	79-122
Methylene Chloride	20.2	20.0	101	75-123
o-Xylene	20.2	20.0	101	80-119
Styrene	20.7	20.0	103	80-121
Tetrachloroethene (PCE)	19.7	20.0	98	75-126
Toluene	20.3	20.0	101	52-152

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**05/15/13
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340576

Lab Control Sample
JQ1303365-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	18.5	20.0	93	75-121
trans-1,3-Dichloropropene	20.4	20.0	102	76-118
trans-1,4-Dichloro-2-butene	17.9	20.0	89	10-198
Trichloroethene (TCE)	18.6	20.0	93	78-122
Trichlorofluoromethane	17.4	20.0	87	58-134
Vinyl Acetate	99.2	100	99	36-169
Vinyl Chloride	19.5	20.0	97	69-138

Client: Waste Services of Florida, Inc. **Service Request:** J1302569

Project: JED SWDF

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

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

Analysis Method: 8011

Extraction Method: Method

Sample Name	Lab Code	1,1,1,2-Tetrachloroethane 70 - 130
MW-1A	J1302569-001	92
MW-1B	J1302569-002	78
MW-22RA	J1302569-003	58 *
MW-22RB	J1302569-004	75
MW-23A	J1302569-005	82
MW-23B	J1302569-006	85
MW-20A	J1302569-008	76
MW-20B	J1302569-009	92
MW-21A	J1302569-010	86
MW-21B	J1302569-011	82
Equipment Blank-2	J1302569-012	101
Method Blank	JQ1303517-01	105
Lab Control Sample	JQ1303517-02	101
Method Blank	JQ1303519-01	101
Lab Control Sample	JQ1303519-02	83
Equipment Blank-2	JQ1303519-03	77
Equipment Blank-2	JQ1303519-04	78
Method Blank	JQ1303557-01	106
Lab Control Sample	JQ1303557-02	88
Duplicate Lab Control Sample	JQ1303557-03	66 *

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

Service Request:J1302569
Date Collected:05/09/13
Date Received:05/10/13
Date Analyzed:05/21/13
Date Extracted:05/21/13

Duplicate Matrix Spike Summary
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Microextraction and Gas Chromatography

Sample Name: Equipment Blank-2
Lab Code: J1302569-012
Analysis Method: 8011
Prep Method: Method

Units:ug/L
Basis:NA

		Matrix Spike JQ1303519-03			Duplicate Matrix Spike JQ1303519-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.230	0.249	92	0.237	0.252	94	65-135	3	30
1,2-Dibromoethane (EDB)	ND	0.217	0.249	87	0.203	0.252	80	65-135	7	30

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**05/21/13
Sample Matrix: Water **Date Extracted:**05/21/13

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:341521

Lab Control Sample
JQ1303517-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.257	0.250	103	70-130
1,2-Dibromoethane (EDB)	0.257	0.250	103	70-130

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**05/21/13
Sample Matrix: Water **Date Extracted:**05/21/13

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:341521

Lab Control Sample
JQ1303519-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.252	0.250	101	70-130
1,2-Dibromoethane (EDB)	0.233	0.250	93	70-130

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**05/22/13
Sample Matrix: Water **Date Extracted:**05/22/13

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:341682

	Lab Control Sample JQ1303557-02			Duplicate Lab Control Sample JQ1303557-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromo-3-chloropropane (DBCP)	0.222	0.250	89	0.207	0.250	83	70-130	7	30
1,2-Dibromoethane (EDB)	0.240	0.250	96	0.200	0.250	80	70-130	18	30

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

Service Request:J1302569
Date Collected:05/09/13
Date Received:05/10/13
Date Analyzed:5/13/13

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-1B
Lab Code: J1302569-002

Units:ug/L
Basis:NA

			Matrix Spike J1302569-002MS			Duplicate Matrix Spike J1302569-002DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Iron, Total Recoverable	6010B	200	5450	5000	105	5320	5000	102	75-125	2	20

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

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

Service Request:J1302569
Date Collected:05/09/13
Date Received:05/10/13
Date Analyzed:5/13/13

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-1B
Lab Code: J1302569-002

Units:mg/L
Basis:NA

			Matrix Spike J1302569-002MS			Duplicate Matrix Spike J1302569-002DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Sodium, Total Recoverable	6010B	8.02	33.9	25.0	104	33.6	25.0	102	75-125	1	20

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QA/QC Report

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

Service Request:J1302569
Date Collected:05/09/13
Date Received:05/10/13
Date Analyzed:5/13/13

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-1A
Lab Code: J1302569-001

Units:ug/L
Basis:NA

			Matrix Spike J1302569-001MS			Duplicate Matrix Spike J1302569-001DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Antimony, Total Recoverable	6020	0.2	50.6	50.0	101	50.9	50.0	102	75-125	<1	20
Arsenic, Total Recoverable	6020	1.4	55.7	50.0	109	55.5	50.0	108	75-125	<1	20
Barium, Total Recoverable	6020	115	219	100	104	223	100	108	75-125	2	20
Beryllium, Total Recoverable	6020	0.04	21.6	25.0	87	21.5	25.0	86	75-125	<1	20
Cadmium, Total Recoverable	6020	0.10	19.3	20.0	97	19.6	20.0	98	75-125	1	20
Chromium, Total Recoverable	6020	5.9	61.0	50.0	110	62.0	50.0	112	75-125	2	20
Cobalt, Total Recoverable	6020	1.9	54.5	50.0	105	55.6	50.0	107	75-125	2	20
Copper, Total Recoverable	6020	0.4	47.6	50.0	94	49.1	50.0	97	75-125	3	20
Lead, Total Recoverable	6020	0.17	24.8	25.0	99	24.8	25.0	99	75-125	<1	20
Nickel, Total Recoverable	6020	3.4	100	100	97	102	100	98	75-125	1	20
Selenium, Total Recoverable	6020	2.0	79.6	100	78	79.1	100	77	75-125	<1	20
Silver, Total Recoverable	6020	0.06	24.3	25.0	97	24.2	25.0	97	75-125	<1	20
Thallium, Total Recoverable	6020	0.05	9.79	10.0	98	9.80	10.0	98	75-125	<1	20
Vanadium, Total Recoverable	6020	6.9	112	100	105	113	100	106	75-125	1	20
Zinc, Total Recoverable	6020	6.3	239	250	93	239	250	93	75-125	<1	20

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QA/QC Report

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**5/13/13
Sample Matrix: Water

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302569-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	51.6	50.0	103	80-120
Arsenic, Total Recoverable	6020	51.4	50.0	103	80-120
Barium, Total Recoverable	6020	105	100	105	80-120
Beryllium, Total Recoverable	6020	24.7	25.0	99	80-120
Cadmium, Total Recoverable	6020	21.9	20.0	109	80-120
Chromium, Total Recoverable	6020	53.4	50.0	107	80-120
Cobalt, Total Recoverable	6020	52.9	50.0	106	80-120
Copper, Total Recoverable	6020	51.1	50.0	102	80-120
Iron, Total Recoverable	6010B	5190	5000	104	80-120
Lead, Total Recoverable	6020	26.4	25.0	106	80-120
Mercury, Total	7470A	1.26	1.25	100	80-120
Nickel, Total Recoverable	6020	102	100	102	80-120
Selenium, Total Recoverable	6020	101	100	100	80-120
Silver, Total Recoverable	6020	27.5	25.0	110	80-120
Thallium, Total Recoverable	6020	10.4	10.0	104	80-120
Vanadium, Total Recoverable	6020	108	100	108	80-120
Zinc, Total Recoverable	6020	255	250	102	80-120

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

Service Request:J1302569
Date Analyzed:5/13/13

Lab Control Sample Summary
Inorganic Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302569-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	25.8	25.0	103	80-120

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QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project	JED SWDF	**Date Collected:**	05/09/13
Sample Matrix:	Water	**Date Received:**	05/10/13
		Date Analyzed:	05/10/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-22RA	**Units:**	mg/L
Lab Code:	J1302569-003	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302569-003DUP Result	Average	RPD	RPD Limit
Chloride	300.0	0.50	0.11	38.0	38.0	38.0	<1	20
Nitrate as Nitrogen	300.0	0.20	0.03	0.03	0.03	NC	NC	20

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QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project	JED SWDF	**Date Collected:**	05/09/13
Sample Matrix:	Water	**Date Received:**	05/10/13
		Date Analyzed:	05/16/13

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-1A	**Units:**	mg/L
Lab Code:	J1302569-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302569-001DUP Result	Average	RPD	RPD Limit
Ammonia as Nitrogen	350.1	0.010	0.007	8.38	8.39	8.39	<1	20

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ALS Group USA, Corp.

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QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302569
Project	JED SWDF	**Date Collected:**	05/09/13
Sample Matrix:	Water	**Date Received:**	05/10/13
		Date Analyzed:	05/16/13

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MW-21B	**Units:**	ug/L
Lab Code:	J1302569-011	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302569-011DUP Result	Average	RPD	RPD Limit
Phenolics, Total Recoverable	420.4	50	5	18	21	19.5	14	20

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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.

QA/QC Report

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

Service Request:J1302569
Date Collected:05/09/13
Date Received:05/10/13
Date Analyzed:5/10/13

Matrix Spike Summary
Chloride

Sample Name: MW-22RA
Lab Code: J1302569-003

Units:mg/L
Basis:NA

Matrix Spike
J1302569-003MS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	38.0	87.1	50.0	98	90-110
Nitrate as Nitrogen	300.0	0.03	5.06	5.00	101	90-110

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

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

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

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

Service Request:J1302569
Date Collected:05/09/13
Date Received:05/10/13
Date Analyzed:05/16/13

Matrix Spike Summary
Ammonia as Nitrogen

Sample Name: MW-1A
Lab Code: J1302569-001
Analysis Method: 350.1

Units:mg/L
Basis:NA

Matrix Spike
J1302569-001MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	8.38	9.29	1.00	91 #	90-110

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

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

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

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

Service Request:J1302569
Date Collected:05/09/13
Date Received:05/10/13
Date Analyzed:05/16/13
Date Extracted:05/16/13

Matrix Spike Summary
Phenolics, Total Recoverable

Sample Name: MW-21B
Lab Code: J1302569-011
Analysis Method: 420.4
Prep Method: Method

Units:ug/L
Basis:NA

Matrix Spike
J1302569-011MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	18	932	1000	91	90-110

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

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

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302569
Project: JED SWDF **Date Analyzed:**05/10/13 - 05/16/13
Sample Matrix: Water

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302569-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	0.964	1.00	96	90-110
Chloride	300.0	49.9	50.0	100	90-110
Nitrate as Nitrogen	300.0	5.06	5.00	101	90-110
Solids, Total Dissolved	SM 2540 C	308	300	103	85-115

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

Service Request:J1302569
Date Analyzed:5/16/13

Lab Control Sample Summary
General Chemistry Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302569-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	420.4	978	1000	98	90-110

ALS Environmental

Cooler Receipt Form

Client: Waste Services of FL Service Request #: J1302569

Project: JED SWDF

Cooler received on 5/10/13 and opened on 5/10/13 by SL

COURIER: ALS UPS FEDEX Client Other _____ Airbill # 8024 7811 1871

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)	2.6°C	1.2°C						
5	Thermometer ID	T71	T71						
6	Temperature Blank Present?	(Yes)	No						
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No					
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A					
9	Type of packing material present	Netting	Vial Holder	(Bubble Wrap)					
		Paper	Styrofoam	Other	N/A				
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A					
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A					
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A					
13	Were all of the preserved bottles received with the appropriate preservative?	(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:

Client approval to run samples if discrepancies noted: Date:

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

9143 Philips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011 PAGE 1 OF 1

SR# 5/302569
CAS Contract

J1302569
Waste Services of Florida, Inc.
JED Waste Facility LF
5

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsii.us
Company/Address: WSI 11500 43rd St N Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED (Include Method Number a

PRESERVATIVE: 1 0 3 2 0 3

NUMBER OF CONTAINERS | 8260 | 8011 | NH3 | metals | TSS, Cl, NO3 | Total Phenolics

1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH3	metals	TSS, Cl, NO3	Total Phenolics
MW-1A		5.9.13	0730	GW	10	3	3	1	1	1	1
MW-1B			0700								
MW-22RA			1030								
MW-22RB			1005								
MW-23A			0915								
MW-23B		5.9.13	0845	GW	10	3	3	1	1	1	1
Trip Blnk-5		5.2.13	1000	DI H_2O	1	1					

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 13129-JED1

See QAPP ☐

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
___ V. Specialized Forms / Custom Report
Edata ___Yes ___No

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Joe Terry	Printed Name: Shawn Lightsey	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: WSI	Firm: ALS	Firm:	Firm:	Firm:	Firm:
Date/Time: 5-9-13/1510	Date/Time: 5/10/13 0953	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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PAGE _____ OF _____

SR# 51302569
CAS Contract

Project Name: JED SWDF	Project Number:
Project Manager: Joe Terry	Email Address: jterry@wsii.us
Company/Address: WSI 11500 43rd St N Clearwater, FL 33762	
Phone #: 813-943-8633	FAX #:
Sampler's Signature: Joe Terry	Sampler's Printed Name: Joe Terry

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1 0 3 2 0 3

J1302569
Waste Services of Florida, Inc.
JED Waste Facility LF
5

3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH_3	Metals	TDS, Cl, NO_3	Tot. Phenols	REMARKS/ ALTERNATE DESCRIPTION
MW-20A		5-9-13	1330	GW	10	3	3	1	1	1	1	
MW-20B			1400									
MW-21A			1215									
MW-21B			1150	GW								
Equipment Blank-2		5-9-13	1440	DI H_2O	10	3	3	1	1	1	1	
Trip Blank-6		5-2-13	1030	DI H_2O	1	1						

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 13129-JED2

See QAPP ☐

TURNAROUND REQUIREMENTS

_____ RUSH (SURCHARGES APPLY)

X STANDARD

REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS

_____ I. Results Only

X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

_____ III. Results + QC and Calibration Summaries

_____ IV. Data Validation Report with Raw Data

_____ V. Specialized Forms / Custom Report

Edata _____ Yes _____ No

INVOICE INFORMATION

PO #

BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature: Maura Lightsey	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name: Maura Lightsey	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 5-9-13/1510	Date/Time: 5/10/13 0953	Date/Time	Date/Time	Date/Time	Date/Time

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

May 28, 2013 Service Request No:J1302623

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

Laboratory Results for: JED SWDF

Dear Kirk,

Enclosed are the results of the sample(s) submitted to our laboratory May 14, 2013
For your reference, these analyses have been assigned our service request number **J1302623.**

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 Columbia Analytical Services, Inc. (CAS) 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

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Florida Department of Health	E82502	6/30/2013
North Carolina Department of Environment and Natural Resources	527	12/31/2013
Virginia Environmental Accreditation Program	460191	12/14/2013
Louisiana Department of Environmental Quality	02086	6/30/2013
Georgia Department of Natural Resources	958	6/30/2013
Kentucky Division of Waste Management	63	7/5/2013
South Carolina Department of Health and Environmental Control	96021001	6/30/2013
Texas Commision on Environmental Quality	T104704197-09-TX	5/31/2013
Maine Department of Health and Human Services	2011006	2/3/2015
Department of Defense	66206	5/31/2013
Pennsylvania Department of Environmental Protection	68-04835	8/31/2013

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

ALS Laboratory Group

Acronyms

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302623
Project: JED SWDF

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1302623-001	MW-16A	5/13/2013	1040
J1302623-002	MW-16B	5/13/2013	1110
J1302623-003	MW-16C	5/13/2013	1015
J1302623-004	MW-19A	5/13/2013	0855
J1302623-005	MW-19B	5/13/2013	0830
J1302623-006	Trip Blank-7	5/13/2013	0000

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:40
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16A	**Units:**	ug/L
Lab Code:	J1302623-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/16/13 21:17	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/16/13 21:17	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/16/13 21:17	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/16/13 21:17	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/16/13 21:17	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/16/13 21:17	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/16/13 21:17	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/16/13 21:17	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/16/13 21:17	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/16/13 21:17	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/16/13 21:17	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/16/13 21:17	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/16/13 21:17	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/16/13 21:17	
2-Hexanone	2.2 U	25	2.2	1	05/16/13 21:17	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/16/13 21:17	
Acetone	5.6 U	50	5.6	1	05/16/13 21:17	
Acrylonitrile	1.5 U	10	1.5	1	05/16/13 21:17	
Benzene	0.21 U	1.0	0.21	1	05/16/13 21:17	
Bromochloromethane	0.27 U	5.0	0.27	1	05/16/13 21:17	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/16/13 21:17	
Bromoform	0.42 U	2.0	0.42	1	05/16/13 21:17	
Bromomethane	0.23 U	5.0	0.23	1	05/16/13 21:17	
Carbon Disulfide	2.4 U	10	2.4	1	05/16/13 21:17	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/16/13 21:17	
Chlorobenzene	0.16 U	1.0	0.16	1	05/16/13 21:17	
Chloroethane	0.52 U	5.0	0.52	1	05/16/13 21:17	
Chloroform	0.35 U	1.0	0.35	1	05/16/13 21:17	
Chloromethane	0.36 U	1.0	0.36	1	05/16/13 21:17	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/16/13 21:17	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/16/13 21:17	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/16/13 21:17	
Dibromomethane	0.36 U	5.0	0.36	1	05/16/13 21:17	
Ethylbenzene	0.21 U	1.0	0.21	1	05/16/13 21:17	
Iodomethane	2.7 U	5.0	2.7	1	05/16/13 21:17	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/16/13 21:17	
Methylene Chloride	0.21 U	5.0	0.21	1	05/16/13 21:17	
o-Xylene	0.14 U	1.0	0.14	1	05/16/13 21:17	
Styrene	0.29 U	1.0	0.29	1	05/16/13 21:17	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/16/13 21:17	
Toluene	0.19 U	1.0	0.19	1	05/16/13 21:17	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/16/13 21:17	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/16/13 21:17	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:40
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16A	**Units:**	ug/L
Lab Code:	J1302623-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/16/13 21:17	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/16/13 21:17	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/16/13 21:17	
Vinyl Acetate	1.9 U	10	1.9	1	05/16/13 21:17	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/16/13 21:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	72 - 121	05/16/13 21:17	
4-Bromofluorobenzene	97	86 - 113	05/16/13 21:17	
Dibromofluoromethane	103	86 - 112	05/16/13 21:17	
Toluene-d8	94	88 - 115	05/16/13 21:17	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:40
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16A	**Units:**	ug/L
Lab Code:	J1302623-001	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/20/13 22:16	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/20/13 22:16	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	79	70 - 130	05/20/13 22:16	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:40
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16A	**Basis:**	NA
Lab Code:	J1302623-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/16/13 18:18	5/15/13	
Arsenic, Total Recoverable	6020	**0.8 I**	ug/L	1.0	0.5	1	05/16/13 18:18	5/15/13	
Barium, Total Recoverable	6020	**10.8**	ug/L	2.0	0.5	1	05/16/13 18:18	5/15/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/16/13 18:18	5/15/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/16/13 18:18	5/15/13	
Chromium, Total Recoverable	6020	**1.9**	ug/L	1.0	0.2	1	05/16/13 18:18	5/15/13	
Cobalt, Total Recoverable	6020	**0.2 I**	ug/L	1.0	0.03	1	05/16/13 18:18	5/15/13	
Copper, Total Recoverable	6020	0.3 U	ug/L	1.0	0.3	1	05/16/13 18:18	5/15/13	
Iron, Total Recoverable	6010B	**620**	ug/L	100	3	1	05/15/13 20:32	5/15/13	
Lead, Total Recoverable	6020	**0.18 I**	ug/L	0.50	0.12	1	05/16/13 18:18	5/15/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/15/13 12:56	5/14/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/16/13 18:18	5/15/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/16/13 18:18	5/15/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/16/13 18:18	5/15/13	
Sodium, Total Recoverable	6010B	**2.04**	mg/L	0.50	0.03	1	05/15/13 20:31	5/15/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/16/13 18:18	5/15/13	
Vanadium, Total Recoverable	6020	**3.4**	ug/L	2.0	0.3	1	05/16/13 18:18	5/15/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/16/13 18:18	5/15/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:40
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16A	**Basis:**	NA
Lab Code:	J1302623-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.570**		mg/L	0.010	0.007	1	05/17/13 11:43	NA	
Chloride	300.0	**2.76**		mg/L	0.50	0.11	1	05/14/13 17:42	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/14/13 17:42	NA	
Phenolics, Total Recoverable	420.4	**28**	**IV**	ug/L	50	5	1	05/23/13 16:09	5/23/13	
Solids, Total Dissolved	SM 2540 C	**44**		mg/L	10	10	1	05/15/13 11:09	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 11:10
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16B	**Units:**	ug/L
Lab Code:	J1302623-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/16/13 21:42	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/16/13 21:42	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/16/13 21:42	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/16/13 21:42	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/16/13 21:42	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/16/13 21:42	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/16/13 21:42	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/16/13 21:42	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/16/13 21:42	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/16/13 21:42	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/16/13 21:42	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/16/13 21:42	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/16/13 21:42	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/16/13 21:42	
2-Hexanone	2.2 U	25	2.2	1	05/16/13 21:42	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/16/13 21:42	
Acetone	5.6 U	50	5.6	1	05/16/13 21:42	
Acrylonitrile	1.5 U	10	1.5	1	05/16/13 21:42	
Benzene	0.21 U	1.0	0.21	1	05/16/13 21:42	
Bromochloromethane	0.27 U	5.0	0.27	1	05/16/13 21:42	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/16/13 21:42	
Bromoform	0.42 U	2.0	0.42	1	05/16/13 21:42	
Bromomethane	0.23 U	5.0	0.23	1	05/16/13 21:42	
Carbon Disulfide	2.4 U	10	2.4	1	05/16/13 21:42	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/16/13 21:42	
Chlorobenzene	0.16 U	1.0	0.16	1	05/16/13 21:42	
Chloroethane	0.52 U	5.0	0.52	1	05/16/13 21:42	
Chloroform	0.35 U	1.0	0.35	1	05/16/13 21:42	
Chloromethane	0.36 U	1.0	0.36	1	05/16/13 21:42	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/16/13 21:42	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/16/13 21:42	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/16/13 21:42	
Dibromomethane	0.36 U	5.0	0.36	1	05/16/13 21:42	
Ethylbenzene	0.21 U	1.0	0.21	1	05/16/13 21:42	
Iodomethane	2.7 U	5.0	2.7	1	05/16/13 21:42	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/16/13 21:42	
Methylene Chloride	0.21 U	5.0	0.21	1	05/16/13 21:42	
o-Xylene	0.14 U	1.0	0.14	1	05/16/13 21:42	
Styrene	0.29 U	1.0	0.29	1	05/16/13 21:42	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/16/13 21:42	
Toluene	0.19 U	1.0	0.19	1	05/16/13 21:42	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/16/13 21:42	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/16/13 21:42	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 11:10
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16B	**Units:**	ug/L
Lab Code:	J1302623-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/16/13 21:42	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/16/13 21:42	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/16/13 21:42	
Vinyl Acetate	1.9 U	10	1.9	1	05/16/13 21:42	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/16/13 21:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	72 - 121	05/16/13 21:42	
4-Bromofluorobenzene	100	86 - 113	05/16/13 21:42	
Dibromofluoromethane	103	86 - 112	05/16/13 21:42	
Toluene-d8	96	88 - 115	05/16/13 21:42	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 11:10
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16B	**Units:**	ug/L
Lab Code:	J1302623-002	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00713 U	0.0203	0.00713	1	05/20/13 22:37	5/20/13	
1,2-Dibromoethane (EDB)	0.00713 U	0.0203	0.00713	1	05/20/13 22:37	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	82	70 - 130	05/20/13 22:37	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 11:10
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16B	**Basis:**	NA
Lab Code:	J1302623-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/16/13 18:44	5/15/13	
Arsenic, Total Recoverable	6020	**0.6 I**	ug/L	1.0	0.5	1	05/16/13 18:44	5/15/13	
Barium, Total Recoverable	6020	**24.9**	ug/L	2.0	0.5	1	05/16/13 18:44	5/15/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/16/13 18:44	5/15/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/16/13 18:44	5/15/13	
Chromium, Total Recoverable	6020	**2.6**	ug/L	1.0	0.2	1	05/16/13 18:44	5/15/13	
Cobalt, Total Recoverable	6020	**0.2 I**	ug/L	1.0	0.03	1	05/16/13 18:44	5/15/13	
Copper, Total Recoverable	6020	**0.8 I**	ug/L	1.0	0.3	1	05/16/13 18:44	5/15/13	
Iron, Total Recoverable	6010B	**1310**	ug/L	100	3	1	05/15/13 20:37	5/15/13	
Lead, Total Recoverable	6020	**2.11**	ug/L	0.50	0.12	1	05/16/13 18:44	5/15/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/15/13 12:57	5/14/13	
Nickel, Total Recoverable	6020	**0.6 I**	ug/L	2.0	0.5	1	05/16/13 18:44	5/15/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/16/13 18:44	5/15/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/16/13 18:44	5/15/13	
Sodium, Total Recoverable	6010B	**4.82**	mg/L	0.50	0.03	1	05/15/13 20:36	5/15/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/16/13 18:44	5/15/13	
Vanadium, Total Recoverable	6020	**2.8**	ug/L	2.0	0.3	1	05/16/13 18:44	5/15/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/16/13 18:44	5/15/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 11:10
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16B	**Basis:**	NA
Lab Code:	J1302623-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.123**		mg/L	0.010	0.007	1	05/17/13 11:44	NA	
Chloride	300.0	**4.18**		mg/L	0.50	0.11	1	05/14/13 18:00	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/14/13 18:00	NA	
Phenolics, Total Recoverable	420.4	**26**	**IV**	ug/L	50	5	1	05/23/13 16:11	5/23/13	
Solids, Total Dissolved	SM 2540 C	**81**		mg/L	10	10	1	05/15/13 11:09	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:15
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16C	**Units:**	ug/L
Lab Code:	J1302623-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/16/13 22:07	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/16/13 22:07	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/16/13 22:07	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/16/13 22:07	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/16/13 22:07	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/16/13 22:07	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/16/13 22:07	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/16/13 22:07	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/16/13 22:07	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/16/13 22:07	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/16/13 22:07	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/16/13 22:07	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/16/13 22:07	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/16/13 22:07	
2-Hexanone	2.2 U	25	2.2	1	05/16/13 22:07	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/16/13 22:07	
Acetone	5.6 U	50	5.6	1	05/16/13 22:07	
Acrylonitrile	1.5 U	10	1.5	1	05/16/13 22:07	
Benzene	0.21 U	1.0	0.21	1	05/16/13 22:07	
Bromochloromethane	0.27 U	5.0	0.27	1	05/16/13 22:07	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/16/13 22:07	
Bromoform	0.42 U	2.0	0.42	1	05/16/13 22:07	
Bromomethane	0.23 U	5.0	0.23	1	05/16/13 22:07	
Carbon Disulfide	2.4 U	10	2.4	1	05/16/13 22:07	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/16/13 22:07	
Chlorobenzene	0.16 U	1.0	0.16	1	05/16/13 22:07	
Chloroethane	0.52 U	5.0	0.52	1	05/16/13 22:07	
Chloroform	0.35 U	1.0	0.35	1	05/16/13 22:07	
Chloromethane	0.36 U	1.0	0.36	1	05/16/13 22:07	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/16/13 22:07	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/16/13 22:07	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/16/13 22:07	
Dibromomethane	0.36 U	5.0	0.36	1	05/16/13 22:07	
Ethylbenzene	0.21 U	1.0	0.21	1	05/16/13 22:07	
Iodomethane	2.7 U	5.0	2.7	1	05/16/13 22:07	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/16/13 22:07	
Methylene Chloride	0.21 U	5.0	0.21	1	05/16/13 22:07	
o-Xylene	0.14 U	1.0	0.14	1	05/16/13 22:07	
Styrene	0.29 U	1.0	0.29	1	05/16/13 22:07	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/16/13 22:07	
Toluene	0.19 U	1.0	0.19	1	05/16/13 22:07	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/16/13 22:07	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/16/13 22:07	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:15
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16C	**Units:**	ug/L
Lab Code:	J1302623-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/16/13 22:07	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/16/13 22:07	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/16/13 22:07	
Vinyl Acetate	1.9 U	10	1.9	1	05/16/13 22:07	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/16/13 22:07	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	72 - 121	05/16/13 22:07	
4-Bromofluorobenzene	100	86 - 113	05/16/13 22:07	
Dibromofluoromethane	103	86 - 112	05/16/13 22:07	
Toluene-d8	95	88 - 115	05/16/13 22:07	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:15
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16C	**Units:**	ug/L
Lab Code:	J1302623-003	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/20/13 22:58	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/20/13 22:58	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	82	70 - 130	05/20/13 22:58	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:15
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16C	**Basis:**	NA
Lab Code:	J1302623-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/16/13 18:49	5/15/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/16/13 18:49	5/15/13	
Barium, Total Recoverable	6020	**13.1**		ug/L	2.0	0.5	1	05/16/13 18:49	5/15/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/16/13 18:49	5/15/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/16/13 18:49	5/15/13	
Chromium, Total Recoverable	6020	**0.4**	**I**	ug/L	1.0	0.2	1	05/16/13 18:49	5/15/13	
Cobalt, Total Recoverable	6020	0.03	U	ug/L	1.0	0.03	1	05/16/13 18:49	5/15/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/16/13 18:49	5/15/13	
Iron, Total Recoverable	6010B	**810**		ug/L	100	3	1	05/15/13 20:42	5/15/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/16/13 18:49	5/15/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/15/13 13:02	5/14/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/16/13 18:49	5/15/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/16/13 18:49	5/15/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/16/13 18:49	5/15/13	
Sodium, Total Recoverable	6010B	**12.0**		mg/L	0.50	0.03	1	05/15/13 20:41	5/15/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/16/13 18:49	5/15/13	
Vanadium, Total Recoverable	6020	**0.5**	**I**	ug/L	2.0	0.3	1	05/16/13 18:49	5/15/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/16/13 18:49	5/15/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 10:15
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-16C	**Basis:**	NA
Lab Code:	J1302623-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.125**		mg/L	0.010	0.007	1	05/17/13 11:48	NA	
Chloride	300.0	**20.0**		mg/L	0.50	0.11	1	05/14/13 18:18	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/14/13 18:18	NA	
Phenolics, Total Recoverable	420.4	**31**	**IV**	ug/L	50	5	1	05/23/13 16:12	5/23/13	
Solids, Total Dissolved	SM 2540 C	**79**		mg/L	10	10	1	05/15/13 11:09	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:55
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19A	**Units:**	ug/L
Lab Code:	J1302623-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/16/13 23:22	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/16/13 23:22	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/16/13 23:22	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/16/13 23:22	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/16/13 23:22	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/16/13 23:22	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/16/13 23:22	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/16/13 23:22	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/16/13 23:22	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/16/13 23:22	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/16/13 23:22	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/16/13 23:22	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/16/13 23:22	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/16/13 23:22	
2-Hexanone	2.2 U	25	2.2	1	05/16/13 23:22	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/16/13 23:22	
Acetone	5.6 U	50	5.6	1	05/16/13 23:22	
Acrylonitrile	1.5 U	10	1.5	1	05/16/13 23:22	
Benzene	0.21 U	1.0	0.21	1	05/16/13 23:22	
Bromochloromethane	0.27 U	5.0	0.27	1	05/16/13 23:22	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/16/13 23:22	
Bromoform	0.42 U	2.0	0.42	1	05/16/13 23:22	
Bromomethane	0.23 U	5.0	0.23	1	05/16/13 23:22	
Carbon Disulfide	2.4 U	10	2.4	1	05/16/13 23:22	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/16/13 23:22	
Chlorobenzene	0.16 U	1.0	0.16	1	05/16/13 23:22	
Chloroethane	0.52 U	5.0	0.52	1	05/16/13 23:22	
Chloroform	0.35 U	1.0	0.35	1	05/16/13 23:22	
Chloromethane	0.36 U	1.0	0.36	1	05/16/13 23:22	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/16/13 23:22	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/16/13 23:22	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/16/13 23:22	
Dibromomethane	0.36 U	5.0	0.36	1	05/16/13 23:22	
Ethylbenzene	0.21 U	1.0	0.21	1	05/16/13 23:22	
Iodomethane	2.7 U	5.0	2.7	1	05/16/13 23:22	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/16/13 23:22	
Methylene Chloride	0.21 U	5.0	0.21	1	05/16/13 23:22	
o-Xylene	0.14 U	1.0	0.14	1	05/16/13 23:22	
Styrene	0.29 U	1.0	0.29	1	05/16/13 23:22	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/16/13 23:22	
Toluene	0.19 U	1.0	0.19	1	05/16/13 23:22	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/16/13 23:22	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/16/13 23:22	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:55
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19A	**Units:**	ug/L
Lab Code:	J1302623-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/16/13 23:22	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/16/13 23:22	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/16/13 23:22	
Vinyl Acetate	1.9 U	10	1.9	1	05/16/13 23:22	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/16/13 23:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	72 - 121	05/16/13 23:22	
4-Bromofluorobenzene	98	86 - 113	05/16/13 23:22	
Dibromofluoromethane	101	86 - 112	05/16/13 23:22	
Toluene-d8	97	88 - 115	05/16/13 23:22	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:55
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19A	**Units:**	ug/L
Lab Code:	J1302623-004	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0198	0.00700	1	05/20/13 23:20	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0198	0.00700	1	05/20/13 23:20	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	81	70 - 130	05/20/13 23:20	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:55
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19A	**Basis:**	NA
Lab Code:	J1302623-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/16/13 18:54	5/15/13	
Arsenic, Total Recoverable	6020	**5.6**	ug/L	1.0	0.5	1	05/16/13 18:54	5/15/13	
Barium, Total Recoverable	6020	**35.8**	ug/L	2.0	0.5	1	05/16/13 18:54	5/15/13	
Beryllium, Total Recoverable	6020	**0.56**	ug/L	0.50	0.04	1	05/16/13 18:54	5/15/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/16/13 18:54	5/15/13	
Chromium, Total Recoverable	6020	**28.0**	ug/L	1.0	0.2	1	05/16/13 18:54	5/15/13	
Cobalt, Total Recoverable	6020	**1.4**	ug/L	1.0	0.03	1	05/16/13 18:54	5/15/13	
Copper, Total Recoverable	6020	**2.5**	ug/L	1.0	0.3	1	05/16/13 18:54	5/15/13	
Iron, Total Recoverable	6010B	**6220**	ug/L	100	3	1	05/15/13 20:46	5/15/13	
Lead, Total Recoverable	6020	**12.0**	ug/L	0.50	0.12	1	05/16/13 18:54	5/15/13	
Mercury, Total	7470A	**0.17**	ug/L	0.10	0.02	1	05/15/13 13:03	5/14/13	
Nickel, Total Recoverable	6020	**4.4**	ug/L	2.0	0.5	1	05/16/13 18:54	5/15/13	
Selenium, Total Recoverable	6020	**5.6**	ug/L	2.0	1.1	1	05/16/13 18:54	5/15/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/16/13 18:54	5/15/13	
Sodium, Total Recoverable	6010B	**21.6**	mg/L	0.50	0.03	1	05/15/13 20:45	5/15/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/16/13 18:54	5/15/13	
Vanadium, Total Recoverable	6020	**28.8**	ug/L	2.0	0.3	1	05/16/13 18:54	5/15/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/16/13 18:54	5/15/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:55
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19A	**Basis:**	NA
Lab Code:	J1302623-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**11.8**		mg/L	0.050	0.035	5	05/17/13 13:34	NA	
Chloride	300.0	**15.9**		mg/L	0.50	0.11	1	05/14/13 18:36	NA	
Nitrate as Nitrogen	300.0	**0.23**		mg/L	0.20	0.03	1	05/14/13 18:36	NA	
Phenolics, Total Recoverable	420.4	**42**	**IV**	ug/L	50	5	1	05/23/13 16:12	5/23/13	
Solids, Total Dissolved	SM 2540 C	**760**		mg/L	10	10	1	05/15/13 11:09	NA	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:30
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19B	**Units:**	ug/L
Lab Code:	J1302623-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/16/13 22:32	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/16/13 22:32	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/16/13 22:32	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/16/13 22:32	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/16/13 22:32	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/16/13 22:32	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/16/13 22:32	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/16/13 22:32	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/16/13 22:32	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/16/13 22:32	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/16/13 22:32	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/16/13 22:32	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/16/13 22:32	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/16/13 22:32	
2-Hexanone	2.2 U	25	2.2	1	05/16/13 22:32	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/16/13 22:32	
Acetone	5.6 U	50	5.6	1	05/16/13 22:32	
Acrylonitrile	1.5 U	10	1.5	1	05/16/13 22:32	
Benzene	0.21 U	1.0	0.21	1	05/16/13 22:32	
Bromochloromethane	0.27 U	5.0	0.27	1	05/16/13 22:32	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/16/13 22:32	
Bromoform	0.42 U	2.0	0.42	1	05/16/13 22:32	
Bromomethane	0.23 U	5.0	0.23	1	05/16/13 22:32	
Carbon Disulfide	2.4 U	10	2.4	1	05/16/13 22:32	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/16/13 22:32	
Chlorobenzene	0.16 U	1.0	0.16	1	05/16/13 22:32	
Chloroethane	0.52 U	5.0	0.52	1	05/16/13 22:32	
Chloroform	0.35 U	1.0	0.35	1	05/16/13 22:32	
Chloromethane	0.36 U	1.0	0.36	1	05/16/13 22:32	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/16/13 22:32	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/16/13 22:32	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/16/13 22:32	
Dibromomethane	0.36 U	5.0	0.36	1	05/16/13 22:32	
Ethylbenzene	**1.2**	1.0	0.21	1	05/16/13 22:32	
Iodomethane	2.7 U	5.0	2.7	1	05/16/13 22:32	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/16/13 22:32	
Methylene Chloride	0.21 U	5.0	0.21	1	05/16/13 22:32	
o-Xylene	0.14 U	1.0	0.14	1	05/16/13 22:32	
Styrene	0.29 U	1.0	0.29	1	05/16/13 22:32	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/16/13 22:32	
Toluene	0.19 U	1.0	0.19	1	05/16/13 22:32	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/16/13 22:32	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/16/13 22:32	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:30
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19B	**Units:**	ug/L
Lab Code:	J1302623-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/16/13 22:32	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/16/13 22:32	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/16/13 22:32	
Vinyl Acetate	1.9 U	10	1.9	1	05/16/13 22:32	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/16/13 22:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	72 - 121	05/16/13 22:32	
4-Bromofluorobenzene	100	86 - 113	05/16/13 22:32	
Dibromofluoromethane	102	86 - 112	05/16/13 22:32	
Toluene-d8	96	88 - 115	05/16/13 22:32	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:30
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19B	**Units:**	ug/L
Lab Code:	J1302623-005	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00703 U	0.0201	0.00703	1	05/21/13 00:02	5/20/13	
1,2-Dibromoethane (EDB)	0.00703 U	0.0201	0.00703	1	05/21/13 00:02	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	100	70 - 130	05/21/13 00:02	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:30
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19B	**Basis:**	NA
Lab Code:	J1302623-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2 U	ug/L	1.0	0.2	1	05/16/13 19:09	5/15/13	
Arsenic, Total Recoverable	6020	**0.7 I**	ug/L	1.0	0.5	1	05/16/13 19:09	5/15/13	
Barium, Total Recoverable	6020	**30.8**	ug/L	2.0	0.5	1	05/16/13 19:09	5/15/13	
Beryllium, Total Recoverable	6020	0.04 U	ug/L	0.50	0.04	1	05/16/13 19:09	5/15/13	
Cadmium, Total Recoverable	6020	0.10 U	ug/L	0.40	0.10	1	05/16/13 19:09	5/15/13	
Chromium, Total Recoverable	6020	**1.4**	ug/L	1.0	0.2	1	05/16/13 19:09	5/15/13	
Cobalt, Total Recoverable	6020	**0.2 I**	ug/L	1.0	0.03	1	05/16/13 19:09	5/15/13	
Copper, Total Recoverable	6020	**0.6 I**	ug/L	1.0	0.3	1	05/16/13 19:09	5/15/13	
Iron, Total Recoverable	6010B	**840**	ug/L	100	3	1	05/15/13 20:50	5/15/13	
Lead, Total Recoverable	6020	**1.30**	ug/L	0.50	0.12	1	05/16/13 19:09	5/15/13	
Mercury, Total	7470A	0.02 U	ug/L	0.10	0.02	1	05/15/13 13:05	5/14/13	
Nickel, Total Recoverable	6020	0.5 U	ug/L	2.0	0.5	1	05/16/13 19:09	5/15/13	
Selenium, Total Recoverable	6020	1.1 U	ug/L	2.0	1.1	1	05/16/13 19:09	5/15/13	
Silver, Total Recoverable	6020	0.06 U	ug/L	0.50	0.06	1	05/16/13 19:09	5/15/13	
Sodium, Total Recoverable	6010B	**18.2**	mg/L	0.50	0.03	1	05/15/13 20:50	5/15/13	
Thallium, Total Recoverable	6020	0.05 U	ug/L	0.20	0.05	1	05/16/13 19:09	5/15/13	
Vanadium, Total Recoverable	6020	**1.8 I**	ug/L	2.0	0.3	1	05/16/13 19:09	5/15/13	
Zinc, Total Recoverable	6020	1.6 U	ug/L	5.0	1.6	1	05/16/13 19:09	5/15/13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 08:30
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	MW-19B	**Basis:**	NA
Lab Code:	J1302623-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.106**		mg/L	0.010	0.007	1	05/17/13 11:50	NA	
Chloride	300.0	**33.9**		mg/L	0.50	0.11	1	05/14/13 18:54	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/14/13 18:54	NA	
Phenolics, Total Recoverable	420.4	**31**	**IV**	ug/L	50	5	1	05/23/13 16:13	5/23/13	
Solids, Total Dissolved	SM 2540 C	**105**		mg/L	10	10	1	05/15/13 11:09	NA	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 00:00
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	Trip Blank-7	**Units:**	ug/L
Lab Code:	J1302623-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/16/13 22:57	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/16/13 22:57	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/16/13 22:57	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/16/13 22:57	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/16/13 22:57	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/16/13 22:57	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/16/13 22:57	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/16/13 22:57	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/16/13 22:57	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/16/13 22:57	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/16/13 22:57	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/16/13 22:57	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/16/13 22:57	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/16/13 22:57	
2-Hexanone	2.2 U	25	2.2	1	05/16/13 22:57	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/16/13 22:57	
Acetone	5.6 U	50	5.6	1	05/16/13 22:57	
Acrylonitrile	1.5 U	10	1.5	1	05/16/13 22:57	
Benzene	0.21 U	1.0	0.21	1	05/16/13 22:57	
Bromochloromethane	0.27 U	5.0	0.27	1	05/16/13 22:57	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/16/13 22:57	
Bromoform	0.42 U	2.0	0.42	1	05/16/13 22:57	
Bromomethane	0.23 U	5.0	0.23	1	05/16/13 22:57	
Carbon Disulfide	2.4 U	10	2.4	1	05/16/13 22:57	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/16/13 22:57	
Chlorobenzene	0.16 U	1.0	0.16	1	05/16/13 22:57	
Chloroethane	0.52 U	5.0	0.52	1	05/16/13 22:57	
Chloroform	0.35 U	1.0	0.35	1	05/16/13 22:57	
Chloromethane	0.36 U	1.0	0.36	1	05/16/13 22:57	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/16/13 22:57	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/16/13 22:57	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/16/13 22:57	
Dibromomethane	0.36 U	5.0	0.36	1	05/16/13 22:57	
Ethylbenzene	0.21 U	1.0	0.21	1	05/16/13 22:57	
Iodomethane	2.7 U	5.0	2.7	1	05/16/13 22:57	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/16/13 22:57	
Methylene Chloride	0.21 U	5.0	0.21	1	05/16/13 22:57	
o-Xylene	0.14 U	1.0	0.14	1	05/16/13 22:57	
Styrene	0.29 U	1.0	0.29	1	05/16/13 22:57	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/16/13 22:57	
Toluene	0.19 U	1.0	0.19	1	05/16/13 22:57	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/16/13 22:57	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/16/13 22:57	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	05/13/13 00:00
Sample Matrix:	Water	**Date Received:**	05/14/13 09:30
Sample Name:	Trip Blank-7	**Units:**	ug/L
Lab Code:	J1302623-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/16/13 22:57	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/16/13 22:57	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/16/13 22:57	
Vinyl Acetate	1.9 U	10	1.9	1	05/16/13 22:57	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/16/13 22:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	72 - 121	05/16/13 22:57	
4-Bromofluorobenzene	100	86 - 113	05/16/13 22:57	
Dibromofluoromethane	102	86 - 112	05/16/13 22:57	
Toluene-d8	97	88 - 115	05/16/13 22:57	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303435-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	05/16/13 16:15	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	05/16/13 16:15	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	05/16/13 16:15	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	05/16/13 16:15	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	05/16/13 16:15	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	05/16/13 16:15	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	05/16/13 16:15	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	05/16/13 16:15	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	05/16/13 16:15	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	05/16/13 16:15	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	05/16/13 16:15	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	05/16/13 16:15	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	05/16/13 16:15	
2-Butanone (MEK)	3.8 U	10	3.8	1	05/16/13 16:15	
2-Hexanone	2.2 U	25	2.2	1	05/16/13 16:15	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	05/16/13 16:15	
Acetone	5.6 U	50	5.6	1	05/16/13 16:15	
Acrylonitrile	1.5 U	10	1.5	1	05/16/13 16:15	
Benzene	0.21 U	1.0	0.21	1	05/16/13 16:15	
Bromochloromethane	0.27 U	5.0	0.27	1	05/16/13 16:15	
Bromodichloromethane	0.22 U	1.0	0.22	1	05/16/13 16:15	
Bromoform	0.42 U	2.0	0.42	1	05/16/13 16:15	
Bromomethane	0.23 U	5.0	0.23	1	05/16/13 16:15	
Carbon Disulfide	2.4 U	10	2.4	1	05/16/13 16:15	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	05/16/13 16:15	
Chlorobenzene	0.16 U	1.0	0.16	1	05/16/13 16:15	
Chloroethane	0.52 U	5.0	0.52	1	05/16/13 16:15	
Chloroform	0.35 U	1.0	0.35	1	05/16/13 16:15	
Chloromethane	0.36 U	1.0	0.36	1	05/16/13 16:15	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	05/16/13 16:15	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	05/16/13 16:15	
Dibromochloromethane	0.21 U	1.0	0.21	1	05/16/13 16:15	
Dibromomethane	0.36 U	5.0	0.36	1	05/16/13 16:15	
Ethylbenzene	0.21 U	1.0	0.21	1	05/16/13 16:15	
Iodomethane	2.7 U	5.0	2.7	1	05/16/13 16:15	
m,p-Xylenes	0.31 U	2.0	0.31	1	05/16/13 16:15	
Methylene Chloride	0.21 U	5.0	0.21	1	05/16/13 16:15	
o-Xylene	0.14 U	1.0	0.14	1	05/16/13 16:15	
Styrene	0.29 U	1.0	0.29	1	05/16/13 16:15	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	05/16/13 16:15	
Toluene	0.19 U	1.0	0.19	1	05/16/13 16:15	
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	05/16/13 16:15	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	05/16/13 16:15	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303435-02	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	05/16/13 16:15	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	05/16/13 16:15	
Trichlorofluoromethane	0.24 U	20	0.24	1	05/16/13 16:15	
Vinyl Acetate	1.9 U	10	1.9	1	05/16/13 16:15	
Vinyl Chloride	0.36 U	1.0	0.36	1	05/16/13 16:15	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	104	72 - 121	05/16/13 16:15	
4-Bromofluorobenzene	98	86 - 113	05/16/13 16:15	
Dibromofluoromethane	103	86 - 112	05/16/13 16:15	
Toluene-d8	93	88 - 115	05/16/13 16:15	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1303444-01	**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	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2-Dibromo-3-chloropropane (DBCP)	0.00700 U	0.0200	0.00700	1	05/20/13 16:13	5/20/13	
1,2-Dibromoethane (EDB)	0.00700 U	0.0200	0.00700	1	05/20/13 16:13	5/20/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	85	70 - 130	05/20/13 16:13	

Analytical Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302623-MB		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Antimony, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/16/13 18:08	5/15/13	
Arsenic, Total Recoverable	6020	0.5	U	ug/L	1.0	0.5	1	05/16/13 18:08	5/15/13	
Barium, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/16/13 18:08	5/15/13	
Beryllium, Total Recoverable	6020	0.04	U	ug/L	0.50	0.04	1	05/16/13 18:08	5/15/13	
Cadmium, Total Recoverable	6020	0.10	U	ug/L	0.40	0.10	1	05/16/13 18:08	5/15/13	
Chromium, Total Recoverable	6020	0.2	U	ug/L	1.0	0.2	1	05/16/13 18:08	5/15/13	
Cobalt, Total Recoverable	6020	0.03	U	ug/L	1.0	0.03	1	05/16/13 18:08	5/15/13	
Copper, Total Recoverable	6020	0.3	U	ug/L	1.0	0.3	1	05/16/13 18:08	5/15/13	
Iron, Total Recoverable	6010B	**3**	**I**	ug/L	100	3	1	05/15/13 20:23	5/15/13	
Lead, Total Recoverable	6020	0.12	U	ug/L	0.50	0.12	1	05/16/13 18:08	5/15/13	
Mercury, Total	7470A	0.02	U	ug/L	0.10	0.02	1	05/15/13 12:26	5/14/13	
Nickel, Total Recoverable	6020	0.5	U	ug/L	2.0	0.5	1	05/16/13 18:08	5/15/13	
Selenium, Total Recoverable	6020	1.1	U	ug/L	2.0	1.1	1	05/16/13 18:08	5/15/13	
Silver, Total Recoverable	6020	0.06	U	ug/L	0.50	0.06	1	05/16/13 18:08	5/15/13	
Sodium, Total Recoverable	6010B	0.03	U	mg/L	0.50	0.03	1	05/15/13 20:23	5/15/13	
Thallium, Total Recoverable	6020	0.05	U	ug/L	0.20	0.05	1	05/16/13 18:08	5/15/13	
Vanadium, Total Recoverable	6020	0.3	U	ug/L	2.0	0.3	1	05/16/13 18:08	5/15/13	
Zinc, Total Recoverable	6020	1.6	U	ug/L	5.0	1.6	1	05/16/13 18:08	5/15/13	

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project:	JED SWDF	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1302623-MB		

General Chemistry Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen	350.1	**0.007**	**I**	mg/L	0.010	0.007	1	05/17/13 11:36	NA	
Chloride	300.0	0.11	U	mg/L	0.50	0.11	1	05/14/13 16:12	NA	
Nitrate as Nitrogen	300.0	0.03	U	mg/L	0.20	0.03	1	05/14/13 16:12	NA	
Phenolics, Total Recoverable	420.4	**21**	**I**	ug/L	50	5	1	05/23/13 16:08	5/23/13	
Solids, Total Dissolved	SM 2540 C	10	U	mg/L	10	10	1	05/15/13 11:09	NA	

Client: Waste Services of Florida, Inc. **Service Request:** J1302623

Project: JED SWDF

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	1,2-Dichloroethane-d4 72 - 121	4-Bromofluorobenzene 86 - 113	Dibromofluoromethane 86 - 112
MW-16A	J1302623-001	104	97	103
MW-16B	J1302623-002	103	100	103
MW-16C	J1302623-003	103	100	103
MW-19A	J1302623-004	101	98	101
MW-19B	J1302623-005	101	100	102
Trip Blank-7	J1302623-006	101	100	102
Lab Control Sample	JQ1303435-01	104	98	106
Method Blank	JQ1303435-02	104	98	103

Client: Waste Services of Florida, Inc. **Service Request:** J1302623

Project: JED SWDF

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Sample Name	Lab Code	Toluene-d8 88 - 115
MW-16A	J1302623-001	94
MW-16B	J1302623-002	96
MW-16C	J1302623-003	95
MW-19A	J1302623-004	97
MW-19B	J1302623-005	96
Trip Blank-7	J1302623-006	97
Lab Control Sample	JQ1303435-01	97
Method Blank	JQ1303435-02	93

Client: Waste Services of Florida, Inc. **Service Request:**J1302623
Project: JED SWDF **Date Analyzed:**05/16/13
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340936

Lab Control Sample
JQ1303435-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	19.4	20.0	97	77-118
1,1,1-Trichloroethane (TCA)	20.8	20.0	104	70-122
1,1,2,2-Tetrachloroethane	18.0	20.0	90	66-135
1,1,2-Trichloroethane	18.2	20.0	91	75-122
1,1-Dichloroethane (1,1-DCA)	20.1	20.0	101	79-117
1,1-Dichloroethene (1,1-DCE)	16.3	20.0	81	72-128
1,2,3-Trichloropropane	17.9	20.0	89	70-123
1,2-Dibromo-3-chloropropane (DBCP)	17.3	20.0	87	60-122
1,2-Dibromoethane (EDB)	18.4	20.0	92	76-118
1,2-Dichlorobenzene	19.4	20.0	97	81-115
1,2-Dichloroethane	19.7	20.0	98	70-117
1,2-Dichloropropane	20.1	20.0	100	79-117
1,4-Dichlorobenzene	20.5	20.0	102	82-115
2-Butanone (MEK)	90.3	100	90	62-138
2-Hexanone	90.2	100	90	74-127
4-Methyl-2-pentanone (MIBK)	93.3	100	93	77-120
Acetone	88.0	100	88	42-161
Acrylonitrile	88.7	100	89	63-132
Benzene	20.0	20.0	100	80-117
Bromochloromethane	19.5	20.0	97	78-118
Bromodichloromethane	20.6	20.0	103	75-118
Bromoform	19.4	20.0	97	63-121
Bromomethane	23.6	20.0	118	31-153
Carbon Disulfide	106	100	106	72-128
Carbon Tetrachloride	22.0	20.0	110	67-124
Chlorobenzene	19.5	20.0	97	83-118
Chloroethane	21.8	20.0	109	68-132
Chloroform	19.7	20.0	98	77-116
Chloromethane	20.4	20.0	102	60-128
cis-1,2-Dichloroethene	20.3	20.0	101	78-117
cis-1,3-Dichloropropene	19.4	20.0	97	80-119
Dibromochloromethane	16.4	20.0	82	74-121
Dibromomethane	19.5	20.0	98	76-117
Ethylbenzene	19.9	20.0	100	82-119
Iodomethane	99.7	100	100	51-137
m,p-Xylenes	42.0	40.0	105	79-122
Methylene Chloride	20.1	20.0	100	75-123
o-Xylene	20.4	20.0	102	80-119
Styrene	20.3	20.0	102	80-121
Tetrachloroethene (PCE)	20.0	20.0	100	75-126
Toluene	20.2	20.0	101	52-152

Client: Waste Services of Florida, Inc. **Service Request:**J1302623
Project: JED SWDF **Date Analyzed:**05/16/13
Sample Matrix: Water

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B **Units:**ug/L
Basis:NA
Analysis Lot:340936

Lab Control Sample
JQ1303435-01

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
trans-1,2-Dichloroethene	20.8	20.0	104	75-121
trans-1,3-Dichloropropene	19.8	20.0	99	76-118
trans-1,4-Dichloro-2-butene	16.7	20.0	84	10-198
Trichloroethene (TCE)	20.4	20.0	102	78-122
Trichlorofluoromethane	21.7	20.0	108	58-134
Vinyl Acetate	99.5	100	99	36-169
Vinyl Chloride	18.2	20.0	91	69-138

Client: Waste Services of Florida, Inc. **Service Request:** J1302623
Project: JED SWDF
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

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

Analysis Method: 8011
Extraction Method: Method

Sample Name	Lab Code	1,1,1,2-Tetrachloroethane 70 - 130
MW-16A	J1302623-001	79
MW-16B	J1302623-002	82
MW-16C	J1302623-003	82
MW-19A	J1302623-004	81
MW-19B	J1302623-005	100
Method Blank	JQ1303444-01	85
Lab Control Sample	JQ1303444-02	99

Client: Waste Services of Florida, Inc. **Service Request:**J1302623
Project: JED SWDF **Date Analyzed:**05/20/13
Sample Matrix: Water **Date Extracted:**05/20/13

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:341509

Lab Control Sample
JQ1303444-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2-Dibromo-3-chloropropane (DBCP)	0.247	0.250	99	70-130
1,2-Dibromoethane (EDB)	0.259	0.250	103	70-130

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QA/QC Report

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

Service Request:J1302623
Date Collected:05/13/13
Date Received:05/14/13
Date Analyzed:5/16/13

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MW-16A
Lab Code: J1302623-001

Units:ug/L
Basis:NA

			Matrix Spike J1302623-001MS			Duplicate Matrix Spike J1302623-001DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Antimony, Total Recoverable	6020	0.2	51.9	50.0	104	52.2	50.0	104	75-125	<1	20
Arsenic, Total Recoverable	6020	0.8	53.1	50.0	105	53.0	50.0	104	75-125	<1	20
Barium, Total Recoverable	6020	10.8	115	100	104	114	100	103	75-125	1	20
Beryllium, Total Recoverable	6020	0.04	24.2	25.0	97	24.9	25.0	100	75-125	3	20
Cadmium, Total Recoverable	6020	0.10	20.2	20.0	101	20.3	20.0	101	75-125	<1	20
Chromium, Total Recoverable	6020	1.9	55.2	50.0	107	54.8	50.0	106	75-125	<1	20
Cobalt, Total Recoverable	6020	0.2	52.4	50.0	104	52.2	50.0	104	75-125	<1	20
Copper, Total Recoverable	6020	0.3	51.6	50.0	103	51.8	50.0	104	75-125	<1	20
Lead, Total Recoverable	6020	0.18	25.8	25.0	103	25.8	25.0	103	75-125	<1	20
Nickel, Total Recoverable	6020	0.5	106	100	106	105	100	104	75-125	1	20
Selenium, Total Recoverable	6020	1.1	66.2	100	66 *	69.8	100	70 *	75-125	5	20
Silver, Total Recoverable	6020	0.06	26.6	25.0	106	26.4	25.0	105	75-125	<1	20
Thallium, Total Recoverable	6020	0.05	10.0	10.0	100	10.3	10.0	103	75-125	2	20
Vanadium, Total Recoverable	6020	3.4	107	100	104	109	100	106	75-125	2	20
Zinc, Total Recoverable	6020	1.6	257	250	103	256	250	102	75-125	<1	20

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

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

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

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

Service Request:J1302623
Date Analyzed:05/15/13 - 05/16/13

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302623-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Antimony, Total Recoverable	6020	51.5	50.0	103	80-120
Arsenic, Total Recoverable	6020	51.2	50.0	102	80-120
Barium, Total Recoverable	6020	103	100	102	80-120
Beryllium, Total Recoverable	6020	24.0	25.0	96	80-120
Cadmium, Total Recoverable	6020	20.3	20.0	101	80-120
Chromium, Total Recoverable	6020	52.1	50.0	104	80-120
Cobalt, Total Recoverable	6020	51.4	50.0	103	80-120
Copper, Total Recoverable	6020	51.9	50.0	104	80-120
Iron, Total Recoverable	6010B	5230	5000	105	80-120
Lead, Total Recoverable	6020	25.5	25.0	102	80-120
Mercury, Total	7470A	1.29	1.25	103	80-120
Nickel, Total Recoverable	6020	104	100	104	80-120
Selenium, Total Recoverable	6020	102	100	102	80-120
Silver, Total Recoverable	6020	26.5	25.0	106	80-120
Thallium, Total Recoverable	6020	10.1	10.0	100	80-120
Vanadium, Total Recoverable	6020	104	100	104	80-120
Zinc, Total Recoverable	6020	253	250	101	80-120

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

Service Request:J1302623
Date Analyzed:5/15/13

Lab Control Sample Summary
Inorganic Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302623-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Sodium, Total Recoverable	6010B	26.4	25.0	106	80-120

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	Waste Services of Florida, Inc.	**Service Request:**	J1302623
Project	JED SWDF	**Date Collected:**	05/13/13
Sample Matrix:	Water	**Date Received:**	05/14/13
		Date Analyzed:	05/23/13

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	MW-16A	**Units:**	ug/L
Lab Code:	J1302623-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1302623-001DUP Result	Average	RPD	RPD Limit
Phenolics, Total Recoverable	420.4	50	5	28	28	28.0	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.

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

Service Request:J1302623
Date Collected:05/13/13
Date Received:05/14/13
Date Analyzed:05/23/13
Date Extracted:05/23/13

Matrix Spike Summary
Phenolics, Total Recoverable

Sample Name: MW-16A
Lab Code: J1302623-001
Analysis Method: 420.4
Prep Method: Method

Units:ug/L
Basis:NA

Matrix Spike
J1302623-001MS

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	28	901	1000	87 *	90-110

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

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

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

Client: Waste Services of Florida, Inc. **Service Request:**J1302623
Project: JED SWDF **Date Analyzed:**05/14/13 - 05/17/13
Sample Matrix: Water

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
J1302623-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen	350.1	1.00	1.00	100	90-110
Chloride	300.0	51.2	50.0	102	90-110
Nitrate as Nitrogen	300.0	5.11	5.00	102	90-110
Solids, Total Dissolved	SM 2540 C	303	300	101	85-115

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

Service Request:J1302623
Date Analyzed:5/23/13

Lab Control Sample Summary
General Chemistry Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1302623-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Phenolics, Total Recoverable	420.4	961	1000	96	90-110

ALS Environmental

Cooler Receipt Form

Client: WSI Service Request #: J1302623

Project: JEDSWDF

Cooler received on 5.14.13 and opened on 5.14.13 GB

COURIER: ALS UPS (FEDEX) Client Other _____ Airbill # 8024 7811 1882

1	Were custody seals on outside of cooler?	(Yes)	No
	If yes, how many and where?	#: 1 on lid	other
2	Were seals intact and signature and date correct?	(Yes)	No N/A
3	Were custody papers properly filled out?	(Yes)	No N/A
4	Temperature of cooler(s) upon receipt (Should be > 0°C and < 6°C)	3.1	
5	Thermometer ID	T81	
6	Temperature Blank Present?	(Yes)	No
7	Were Ice or Ice Packs present	(Ice)	Ice Packs No
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No N/A
9	Type of packing material present	Netting	Vial Holder (Bubble Wrap)
		Paper	Styrofoam Other N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No N/A
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No N/A
12	Were the correct bottles used for the tests indicated?	(Yes)	No N/A
13	Were all of the preserved bottles received with the appropriate preservative?	(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:

Client approval to run samples if discrepancies noted: Date:

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

ALS Environmental

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

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SR# J1302623

CAS Contract

J1302623
Waste Services of Florida, Inc.
JED SWDF
5

Project Name	Project Number
JED SWDF	
Project Manager	**Email Address**
Joe Terry	jterry@wsii.us
Company/Address	
WSI	
11500 43rd St. N.	
Clearwater, FL 33762	
Phone #	**FAX #**
813-943-0633	
Sampler's Signature	**Sampler's Printed Name**
Joe Terry	Joe Terry

ANALYSIS REQUESTED (Include Method Number and Co

PRESERVATIVE: 1 0 3 2 0 3

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	8260	8011	NH3	metals	TSS, Cl, NO3	Total Phenolics
MW-16A		5.13.13	1040	GW	10	3	3	1	1	1	1
MW-16B			1110								
MW-16C			1015								
MW-19A			0855								
MW-19B		5.13.13	0830	GW	10	3	3	1	1	1	1
Trip Blank-7		5.2.13	1100	DI H2O	1	1					

0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS

Cooler ID: 13133 - JED

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
X STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
_____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
_____ V. Specialized Forms / Custom Report
Edata _____Yes _____No

INVOICE INFORMATION
PO #
BILL TO:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3.1 °C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Joe Terry	Signature	Signature	Signature	Signature	Signature
Printed Name: Joe Terry	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WSI	Firm: FedEx	Firm: FedEx	Firm: ALS	Firm	Firm
Date/Time: 5.13.13/1230	Date/Time	Date/Time	Date/Time: 5.14.13 09	Date/Time	Date/Time

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