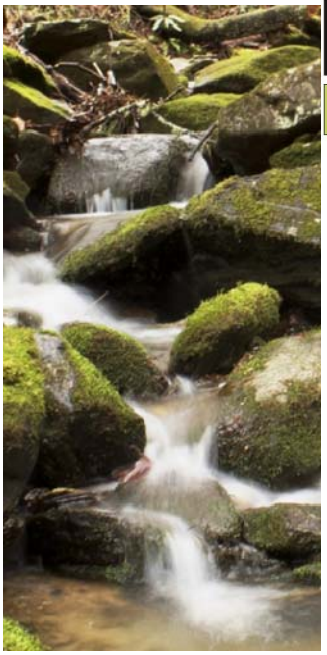

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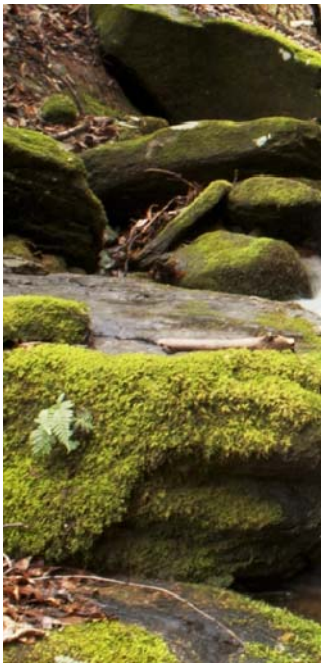

Fall 2014 Semiannual Water Quality Monitoring Report

Jackson County Closed Municipal Solid Waste Landfill Permit # 50-02

February 20, 2015

Prepared for
Jackson County Solid Waste Department
Project Number 2040.3021

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1.0 Introduction

The Jackson County Solid Waste Department maintains a closed Municipal Solid Waste Landfill (MSWLF) located approximately 0.75 miles west of Dillsboro, North Carolina, on the northeast side of Old Dillsboro Road (Old U.S. Highway 74; Figure 1). The water quality monitoring at the landfill is governed by the North Carolina Department of Environment and Natural Resources (DENR), Division of Waste Management (DWM), Solid Waste Section (SWS), under Permit No. 50-02 issued to Jackson County. The landfill permit requires semiannual monitoring of groundwater and surface water quality.

Over time, groundwater quality monitoring indicated persistent low-level exceedances of constituents in groundwater samples. In response to the continued exceedances of analyzed constituents, an Assessment of Corrective Measures (ACM) was completed and a Corrective Action Plan (CAP) was implemented. The implemented remedy includes the extraction of leachate through dedicated submersible pumps installed within the landfill gas extraction wells and disposal of the leachate into the Tuckaseigee Water & Sewer Authority (TWSA) collection system. In addition to leachate extraction, groundwater natural attenuation parameters are monitored and natural attenuation processes are evaluated. The remedy was implemented in a phased approach with full implementation occurring on September 6, 2013.

This report serves as the second semiannual water quality monitoring report for 2014 and as a seventh report following approval of the Corrective Action Plan. This report provides an evaluation of groundwater and surface water quality. The water quality monitoring network is presented on Figure 2. The generalized groundwater flow direction in the upper parts of the underlying aquifer system (Figure 3) is also provided in the report.

In addition to groundwater and surface water monitoring, this report includes VOC analysis of the extracted leachate.

The water samples are collected from selected monitoring points during the spring and again in the fall of each year. The analytical suites associated with the current sampling event (Table 1) are as follows:

- Appendix II Metals
- Appendix II Volatile Organic Compounds (VOCs)
- Appendix II Semivolatile Organic Compounds (SVOCs)
- Chlorinated Herbicides
- Organochlorine Pesticides
- Organophosphorus Pesticides
- Polychlorinated Biphenyls (PCBs)
- Monitored natural attenuation (MNA) parameters: alkalinity, biochemical oxygen demand (BOD), chemical oxygen demand (COD), chloride, carbon dioxide, cyanide, ethane, ethene, ferrous iron, hydrogen, methane, nitrogen, nitrate, nitrite sulfate, sulfide, total organic carbon (TOC) and Volatile Fatty Acids.

The fall 2014 sampling event was performed and is being reported in accordance with requirements stipulated in the North Carolina DENR Solid Waste Management Rules codified under Title 15A Subchapter 13B of the North Carolina Administrative Code (15A NCAC 13B).

2.0 Semiannual Monitoring

2.1 Groundwater, Surface Water, and Leachate Sampling

The closed MSWLF monitoring wells (MW-01, MW-02, MW-03, MW-04, MW-05R, MW-06, and MW-07), surface water sample locations (SW-01 and SW-02), one domestic well (DW-01), and one leachate sample (LT-01) location were sampled on October 22, and 23, 2014 by Altamont Environmental, Inc. (Altamont). Static groundwater level measurements and all field parameter data are included on the well sampling logs in Appendix A. The full suite of groundwater and surface water analytical results is presented in the laboratory analysis reports in Appendix B. The field parameter measurements and analytical results are tabulated in the Electronic Data Deliverable (EDD) in Appendix C.

In addition to DW-01, domestic well DW-02 is typically sampled during the fall semiannual sampling event. However, DW-02 was not sampled during fall 2014 sampling event because the residential property associated with DW-02 appeared unoccupied and electric service to the well pump appeared to be disconnected. Because the well is located in a well house and its pump requires electricity to operate, a groundwater sample could not be collected.

The monitoring wells, surface water sample locations, domestic well, and leachate sample locations are depicted on Figure 2.

2.1.1 Monitoring Well Purging and Sampling Methods

Prior to sampling the monitoring wells, the static water level was gauged in each well and an initial round of field parameters consisting of pH, specific conductivity, dissolved oxygen (DO), turbidity, temperature, and oxidation reduction potential (ORP) were measured. Static water level measurements and all field parameter data are included on the well sampling logs in Appendix A.

Altamont personnel used either low-flow techniques or disposable bailers to purge the monitoring wells and collect groundwater samples. Total depth, condition of the casing, and the groundwater recharge rate determined the purging and sample collection method employed at each monitoring well.

2.1.1.1 Monitoring Wells

All monitoring wells, with the exception of wells MW-01, MW-02, and MW-05R, were purged using low-flow techniques in accordance with the procedures described in the US Environmental Protection Agency's (EPA's) *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures* (EPA 1996). During purging, the pH, specific conductivity, DO, ORP, turbidity, and temperature were measured and recorded approximately every 3 minutes. Well purging continued until these parameters generally stabilized for three consecutive readings. The required stabilization criteria were as follows:

- pH values within +/- 0.1 unit
- Specific conductivity values within +/- 5 percent
- Temperature, DO, and turbidity values within +/- 10 percent
- ORP values within +/- 10 millivolts

Once the parameters had stabilized, a groundwater sample was collected using laboratory-supplied sample bottles by a technician wearing a new pair of nitrile gloves.

Monitoring well MW-01 was purged dry with a disposable bailer and the groundwater sample was collected following recharge on October 23, 2014.

Monitoring wells MW-02 and MW-05R were purged dry with a disposable bailer on October 22, 2014 and the groundwater sample was collected following recharge the next day, October 23, 2014.

2.1.2 Surface Water Sampling Methods

Surface water samples SW-01 and SW-02 were collected at designated locations from the Tuckasegee River, which is adjacent to and southwest of the landfill. Surface water sample SW-01 is representative of surface water quality upstream of the landfill, while SW-02 is representative of surface water quality downstream from the landfill. One round of field parameters, consisting of temperature, pH, specific conductivity, DO, ORP, and turbidity, were measured and recorded at each surface-water sampling location prior to collecting the sample (Appendix A). The surface water samples were collected in laboratory-provided sample containers by a technician wearing a new pair of nitrile gloves.

2.1.3 Leachate Sampling Methods

Dedicated bottom-loading, air-powered pumps, air pressure lines, and a leachate forcemain collection system are installed at the landfill. Pumps are installed in landfill gas extraction wells EW-1R, EW-2R, EW-3R, EW-4, EW-5, EW-6, EW-7, EW-8, EW-9, and EW-10. The gas extraction well locations are presented on Figure 2. The leachate is pumped from the wells into a flow equalization tank which is connected to the Tuckaseigee Water & Sewer Authority wastewater collection system.

The flow equalization tank is situated to the northeast of the landfill adjacent to the existing landfill gas flare. A grab sample of leachate (LT-01) was collected by operating the leachate extraction pumps and taking a sample as the leachate entered the flow equalization tank. One round of field parameters, consisting of temperature, pH, specific conductivity, DO, ORP, and turbidity, was measured and recorded after collecting the sample (Appendices A and C).

2.2 Sample Handling, Documentation, and Analysis

Field parameters and additional observations pertaining to the closed MSWLF sampling locations are provided on sampling logs (Appendix A). Following sample collection, each groundwater, surface water, and leachate sample was immediately placed on ice in a sample cooler for transport to Pace Analytical Services, Inc. (Pace), a laboratory located in Asheville, North Carolina. Microseeps, Inc. laboratory was subcontracted by Pace and completed a portion of the natural attenuation parameters analysis. The groundwater samples collected from the monitoring wells were analyzed for the following parameters:

- Appendix II Metals using EPA Methods 6010 and 7470 (Pace)
- Appendix II Volatile Organic Compounds (VOCs) using EPA Method 8260 (Pace)
- Appendix II Semivolatile Organic Compounds (SVOCs) using EPA Method 8270 (Pace)
- Chlorinated Herbicides using EPA Method 8151 (Pace)
- Organochlorine Pesticides using EPA Method 8081 (Pace)
- Organophosphorus Pesticides using EPA Method 8141 (Pace)
- Polychlorinated Biphenyls (PCBs) using EPA Method 8082 (Pace)
- Natural Attenuation Parameters:
    - Alkalinity using Standard Method (SM) 2320B
    - BOD, 5-day using SM 5210B (Environmental, Inc.)
    - Carbon dioxide and hydrogen using Analytical Method (AM) AM20GAX

- COD using SM 5220D
- Chloride using SM 4500-Cl-E
- Cyanide using SM 4500-CN-E
- Ethane, ethene, and methane using RSK 175 Air Headspace
- Ferrous iron using SM 3500-Fe B
- Nitrogen, nitrate using EPA Method 353.2
- Sulfide using SM 4500-S2D
- Sulfate using EPA Method 300.0
- TOC using SM 5310B
- Volatile Fatty Acids using AM23G

The surface water samples were analyzed for Appendix II parameters (as listed above), cyanide, chlorinated herbicides, organochlorine and organophosphorus pesticides, PCBs, and sulfide. The leachate sample was analyzed for Appendix II VOCs only. One domestic well sample was analyzed for VOCs only using EPA method 524.2.

Proper chain-of-custody documentation procedures were followed during collection and transportation of each sample (Appendix B). Two trip blank samples for quality control/quality assurance purposes were included in the sample coolers and analyzed for Appendix II VOCs. The reports of laboratory analysis are provided in Appendix B. Laboratory analyses performed on the samples are summarized in Table 1.

3.0 Findings

3.1 Analytical Results

The laboratory analytical results and field parameter data for the groundwater samples (from monitoring wells MW-01 through MW-07), surface water samples (SW-01 and SW-02), one domestic well (DW-01), and the leachate sample (LT-01) collected at the landfill are included in Appendices A and B in hard copy and also in Appendix C, in the EDD format, which was specified by the SWS of the DWM in a memorandum dated October 27, 2006 and its addendum dated February 23, 2007 , as well as in the May 5, 2010 update.

As stipulated in the DWM documents referenced above, all laboratory analytical results were reported and appropriately qualified. Non-detections (non-detects), which are values reported by the laboratory as below method detection limits (MDLs), are tabulated on Table 2 and the EDD at MDL levels, and are qualified with the "U" qualifier. The MDL is the minimum concentration of a substance that can be measured and reported by a laboratory with 99 percent confidence that the constituent concentration is greater than zero. All detections (values above the MDL) were compared to constituent-specific Solid Waste Section Limits (SWSLs) established by DENR. The SWSL is defined as the lowest concentration of a constituent in a sample that can be quantitatively determined with suitable precision and accuracy. A "J" qualifier is used by the laboratory for parameters that are detected at estimated concentrations greater than the MDL but less than the laboratory's method reporting limit (MRL). The MRL is the minimum concentration of a target analyte that can be accurately determined by the referenced method. If the reported concentration is greater than the laboratory MDL and MRL but less than the SWSL, the analytical result is qualified as estimated, and is flagged with a "*J*" qualifier (italicized J-flag) by Altamont per SWS reporting requirements. In addition to non-detects, detected concentrations of constituents below the applicable SWSLs are included in Table 2. They are not, however, reported in the text of this report, unless they exceed their applicable North Carolina water quality standards (defined below).

Detected concentrations of constituents in groundwater samples were compared to the applicable North Carolina groundwater quality standards. For most constituents, this standard is the 2L standard, from 15A NCAC 2L.0202. Detected concentrations of analytes in groundwater with no established 2L standard were compared either to the interim maximum allowable concentrations (IMACs) for Class GA and GSA groundwater (in accordance with 15A NCAC 02L .0202 [c]) or Groundwater Protection Standards (GWPS), pursuant to 15A NCAC 13B.1634.

Detections of analytes in surface-water samples were compared to the surface-water quality standards described in 15A NCAC 2B (2B standards).

Table 2 presents the summary of detected compounds only. Table 3 presents all analytical results that were above the applicable SWSLs. Table 4 presents only the concentrations of analytes detected in groundwater and/or surface water samples that exceeded their respective 2L standards (including IMACs, if applicable), GWPSs, or 2B standards.

In the EDD (Appendix C) the identification of a well ("WELL ID") consists of the name of the well prefaced by the un-hyphenated permit number for the facility. For example, monitoring well MW-01 is identified on the tables as 5002-MW01. In the tables and figures, however, the identification of a well consists of the name of the well without the permit number associated with the facility.

3.1.1 Monitoring Wells Groundwater

Analytical results for groundwater samples collected from the monitoring wells are discussed in the following sections.

3.1.1.1 Metals

Twelve metals were detected in the groundwater samples collected from one or more of the monitoring wells. Six detected metals (barium, cadmium, cobalt, copper, mercury, and zinc) were present in samples collected from one or more of the monitoring wells at concentrations above the associated SWSLs (Tables 2 and 3).

Four metals (antimony, cadmium, cobalt, and vanadium) were detected in samples collected from one or more of the monitoring wells at concentrations above their associated groundwater quality standards (Tables 2 and 4).

3.1.1.2 VOCs

Seventeen VOCs were detected in the groundwater samples collected from one or more of the monitoring wells (Table 2). Six VOCs (1,4-dichlorobenzene, benzene, chlorobenzene, cis-1,2-dichloroethene, vinyl chloride, and xylene) were detected at concentrations at or above their respective SWSLs (Tables 2 and 3).

Three VOCs (1,4-dichlorobenzene, benzene, and vinyl chloride) were detected at concentrations above their respective 2L standards (Tables 2 and 4). Concentration-versus-time graphs were created for samples from those monitoring wells that had VOC concentrations over their 2L standards. The graphs are shown on Figures 4 through 12.

3.1.1.3 SVOCs

Two SVOCs were detected in the groundwater samples collected from one or more of the monitoring wells (Table 2). One SVOC (1,4-dichlorobenzene) was detected at estimated concentrations (i.e. “J”-flagged) above its respective SWSL in the sample collected from one or more monitoring wells (Tables 2 and 3).

No SVOCs were detected at concentrations at or above respective 2L standards.

3.1.1.4 Chlorinated Herbicides

One herbicide, 2,4,5-TP(silvex), was detected at estimated concentrations (i.e. “J”-flagged) in the groundwater samples collected from monitoring well MW-03. The concentration was below the respective SWSL and 2L standard.

3.1.1.5 Organochlorine Pesticides

Organochlorine pesticides were not detected in samples collected from the monitoring wells.

3.1.1.6 Organophosphorus Pesticides

Organophosphorus pesticides were not detected in samples collected from the monitoring wells.

3.1.1.7 PCBs

PCBs were not detected in samples collected from the monitoring wells.

3.1.1.8 Natural Attenuation Parameters

Groundwater samples collected from all monitoring wells were analyzed for additional parameters as follows: alkalinity, BOD, COD, carbon dioxide, chloride, cyanide, ethane, ethene, hydrogen, iron (ferrous), methane, nitrogen, nitrate, sulfate, sulfide, TOC, and Volatile Fatty Acids (Table 1). Ethene, ethane, and sulfide were not detected in any of the samples. The remaining parameters were detected in one or more groundwater samples collected from the monitoring wells. The results will be used in a comprehensive MNA Corrective

Action Evaluation report to be submitted by September 1, 2016, which is five years after the CAP was approved by the SWS.

3.1.1.9 Field Parameters

During groundwater sampling on October 23 and 24, 2014 pH readings were obtained. The pH readings obtained from samples collected from all monitoring wells were below 6.5 Standard Units (SU), thus outside the acceptable pH range of 6.5 to 8.5 SU specified in 15A NCAC 02L .0202[c] (Tables 2 and 4).

The highest turbidity (221.3 nephelometric turbidity units [NTUs]) was measured in the groundwater sample collected from well MW-05R. The lowest turbidity was measured (0.00 NTU) in the groundwater samples collected from wells MW-03, MW-04, and MW-06.

3.1.2 Surface Water

The following sections summarize analytical results associated with the two surface water samples collected during the fall 2014 sampling event.

3.1.2.1 Metals

Barium was detected in both surface water samples collected from downstream and upstream surface water locations (Table 2). Concentrations of barium in both samples (SW-01 and SW-02) were found below the respective SWSL and 2B standard.

3.1.2.2 VOCs

VOCs were not detected in either of the collected surface water samples.

3.1.2.3 SVOCs

SVOCs were not detected in either of the collected surface water samples.

3.1.2.4 Chlorinated Herbicides

Chlorinated herbicides were not detected in the collected surface water samples.

3.1.2.5 Organochlorine Pesticides

Organochlorine pesticides were not detected in the collected surface water samples.

3.1.2.6 Organophosphorus Pesticides

Organophosphorus pesticides were not detected in the collected surface water samples.

3.1.2.7 PCBs

PCBs were not detected in the collected surface water samples.

3.1.2.8 Cyanide and Sulfide

Neither cyanide nor sulfide was detected in the collected surface water samples.

3.1.2.9 Field Parameters

During the surface water sample collection on October 22, 2014 pH readings were obtained. The pH readings measured in both samples were within the 2B standard range established at 6.0 SU to 9.0 SU.

Turbidity measured in both surface water samples was below the 2B standard for turbidity, which is established at 50 NTU for the receiving water in streams not designated as trout waters.

DO was measured at 8.87 mg/L in SW-02 and 10.79 mg/L in SW-01. The 2B standard indicates “not less than 5.0 mg/L”.

2B standards do not exist for the remaining field parameters measured in the surface water samples.

3.1.3 Leachate

The leachate sample (LT-01) was collected from the flow equalization tank and analyzed for Appendix I VOCs only. Eleven VOCs were detected in the collected sample (Table 2). Four VOCs (1,4-dichlorobenzene, benzene, chlorobenzene, and ethylbenzene) were found at concentrations above their respective SWSLs (Tables 2 and 3).

3.1.4 Domestic Well Groundwater

The domestic well groundwater sample (DW-01) was collected and analyzed for VOCs using EPA method 524.2. None of the analyzed VOCs were detected at concentrations above their laboratory method detection limits.

One of the field parameters, pH, was measured on October 23, 2014 and the reading was within pH range of 6.5 to 8.5 SU established as the 2L standard. Turbidity was measured at 0.00 NTU.

3.2 Groundwater Flow Direction

Groundwater levels in the saprolite and bedrock are monitored at the closed MSWLF. Three bedrock monitoring wells, MW-01, MW-02, and MW-06, are located in the northern and northwestern portions of the site (Figure 3 and Table 5). Bedrock monitoring well (MW-07) is located to the southwest of the landfill (Figure 3). The fall 2014 water level data collected from these four bedrock wells were used to determine generalized bedrock groundwater flow direction, which is to the southwest (Figure 3).

Monitoring wells MW-03, MW-04, and MW-05R (Figure 3), located in the central, southwest, and southern parts of the landfill, are in the saprolite (including partially weathered rock [PWR]) water-bearing zone). The fall 2014 water-level data collected from monitoring wells MW-03, MW-04, and MW-05R (Table 5) indicate that groundwater flow direction in the saprolite and PWR is also generally to the southwest, toward the Tuckasegee River (Figure 3).

4.0 Summary

The second semiannual water quality monitoring event of 2014 was conducted on October 22 and 23, 2014 at the Jackson County closed MSWLF. Tables 2, 3, and 4 of this report, Reports of Laboratory Analysis (Appendix B), and the EDD (Appendix C) provide detailed analytical results and field data summarizing the groundwater and surface water quality at the landfill.

4.1 Groundwater Quality

4.1.1 Monitoring Wells

4.1.1.1 Metals

Four metals (antimony, cadmium, cobalt, and vanadium) were detected at concentrations above their respective water quality standards in the groundwater samples collected from one or more of the monitoring wells during the fall 2014 water quality monitoring event.

Antimony was detected only in the sample collected from monitoring well MW-04 at an estimated concentration of 4.8 µg/L (i.e. "J" flagged), which is below the SWSL of 6 µg/L, but above the IMAC of 1 µg/L. This concentration is inconsistent with historic detected measurements.

Cadmium was detected only in the sample collected from monitoring well MW-01 at a concentration of 4.0 µg/L, slightly above the 2L standard of 2 µg/L. Cadmium in this monitoring well has not exceeded the 2L standard since October 2007.

Cobalt was detected in five groundwater samples at concentrations ranging between 9.7 *J* µg/L (the lowest) detected in MW-05R to 177 µg/L (the highest) in MW-01, exceeding its IMAC of 1 µg/L. Historically, cobalt has been present above its water quality standard in the groundwater samples from these five monitoring wells.

Vanadium was detected only in the sample collected from monitoring well MW-01 at a concentration of 5.0 µg/L, above the IMAC of 0.3 µg/L. This concentration is consistent with historic concentrations.

The turbidity was measured at a range of 0.00 NTU (the lowest) detected in wells MW-03, MW-04, and MW-06 to 221.3 NTUs (the highest) in well MW-05R.

4.1.1.2 VOCs

Three VOCs (1,4-dichlorobenzene, benzene, and vinyl chloride) were detected at concentrations above their respective 2L standards (Tables 2, 3, and 4). Concentration-versus-time graphs were created for samples from those monitoring wells that had VOC concentrations over their 2L standards during fall 2014 sampling event. The graphs are shown on Figures 4 through 12.

1,4-dichlorobenzene concentrations exceeded the 2L standard in three of the groundwater samples (MW-01, MW-03, and MW-06) collected during the fall 2014 sampling event. Review of the trend graphs (Figures 4, 6, and 10) shows variability in concentrations, but overall concentrations have remained fairly consistent over time.

Benzene was detected in five groundwater samples (MW-01, MW-03, MW-05R, MW-06, and MW-07) during this sampling event at concentrations above the 2L standard. Review of the trend graphs (Figures 5, 7, 8, 11, and 12) shows concentrations to be consistent over time, with the exception of MW-01 which shows a slight decrease in benzene concentrations.

Vinyl chloride was detected in excess of its 2L standard in one groundwater sample collected from well MW-05R (Figure 10) during fall 2014 sampling event. Review of the trend graph (Figure 9) shows that since MW-05R was first sampled in April 2012, concentrations have generally increased slightly.

A review of historical groundwater data indicates that these three VOCs (1,4-dichlorobenzene, benzene, and vinyl chloride) have been detected at relatively consistent concentrations for the past several years. Historical surface water samples from the Tuckasegee River, which likely receives discharge from the saprolite groundwater-bearing zone, have consistently shown no detections of these compounds, or any other VOCs.

4.1.1.3 Other Constituents

The pH results obtained for all sampled wells were outside the acceptable pH range (6.5 to 8.5 SU) established as the 2L standard. Although the results were outside the acceptable range, they appear to be consistent with historic pH readings and ranges that may be expected to be naturally occurring in the region.

Natural attenuation parameters (alkalinity, BOD, COD, chloride, cyanide, iron, methane, nitrogen, nitrate, sulfate, and TOC) were detected in groundwater samples collected from one or more of the monitoring wells at various concentrations. Natural attenuation parameters will be used in a comprehensive MNA Corrective Action Evaluation report to be submitted by September 1, 2016, which is five years after the CAP was approved by the SWS.

No other analytes were detected at or above groundwater standards in the samples collected from the monitoring wells.

4.1.2 Domestic Well

VOCs were not detected in the groundwater sample collected from the domestic well (DW-01).

4.2 Surface Water Quality

One metal (barium) was detected in both surface water samples SW-01 (upstream of the landfill) and SW-02 (downstream of the landfill). No other analytes were detected at or above surface water standards in the samples collected from surface water sampling points.

On the basis of these data it appears likely that the groundwater discharging from under the landfill into the Tuckasegee River is not impacting the surface water quality in the Tuckasegee River.

Field parameters including pH, turbidity, and dissolved oxygen measured in both surface water samples were within the 2B standards established for these parameters.

4.3 Leachate Quality

Four VOCs (1,4-dichlorobenzene, benzene, chlorobenzene, and ethylbenzene) were found at concentrations above their respective SWSLs (Tables 2 and 3).

On September 1, 2012, leachate extraction was initiated following installation of the leachate extraction pumps in 10 Landfill Gas (LFG) extraction wells. Between October 9, 2013 and April 8, 2014, approximately 54,084 gallons of leachate were discharged through a permanent connection to the TWSA (Table 6). From April 8, 2014 to October 23, 2014 a total of approximately 179,652 gallons of leachate has been extracted and/or discharged from the landfill (Table 6).

In fall 2013 the active portion of the approved correction action remedy was initiated. Based on the leachate sample analytical results collected on October 23, 2014, Altamont estimates that 0.00557 pounds of VOCs were removed with the extracted leachate between April 2014 and the October 2014 sampling events. Mass removal calculations are included in Table 6.

5.0 Future Activities

Altamont will continue to monitor the water quality on a semiannual basis at the Jackson County Closed Municipal Solid Waste landfill. During the fall of each year domestic well owners will be contacted and groundwater samples will be collected from domestic wells if permitted to do so by the well owner and possible to do so based upon well pump operability. Domestic well samples will be analyzed for VOCs only. Samples will be collected from monitoring wells, surface water monitoring points, and the leachate flow equalization tank during the spring and fall of each year. In addition to the natural attenuation parameters that were added as part of the approved corrective action, the analytical suites associated with the current and future sampling events are as follows:

Sampling Event	Analytical Suite (not inclusive of natural attenuation parameters)
Spring 2015	Appendix I VOCs
	Appendix I metals
Fall 2015	Appendix II VOCs
	Appendix II metals
	Appendix II herbicides
	Cyanide and sulfide

The leachate sample analysis, along with available leachate removal volume measurements between the fall 2014 and spring 2015 sampling events, will be used to estimate the mass of VOC extracted by the active portion of the approved corrective action remedy.

The monitoring natural attenuation results will be used in a comprehensive MNA Corrective Action Evaluation report to be submitted by September 1, 2016, which is five years after the CAP was approved by the SWS.

rThe next sampling event is scheduled for April 2015.

6.0 References

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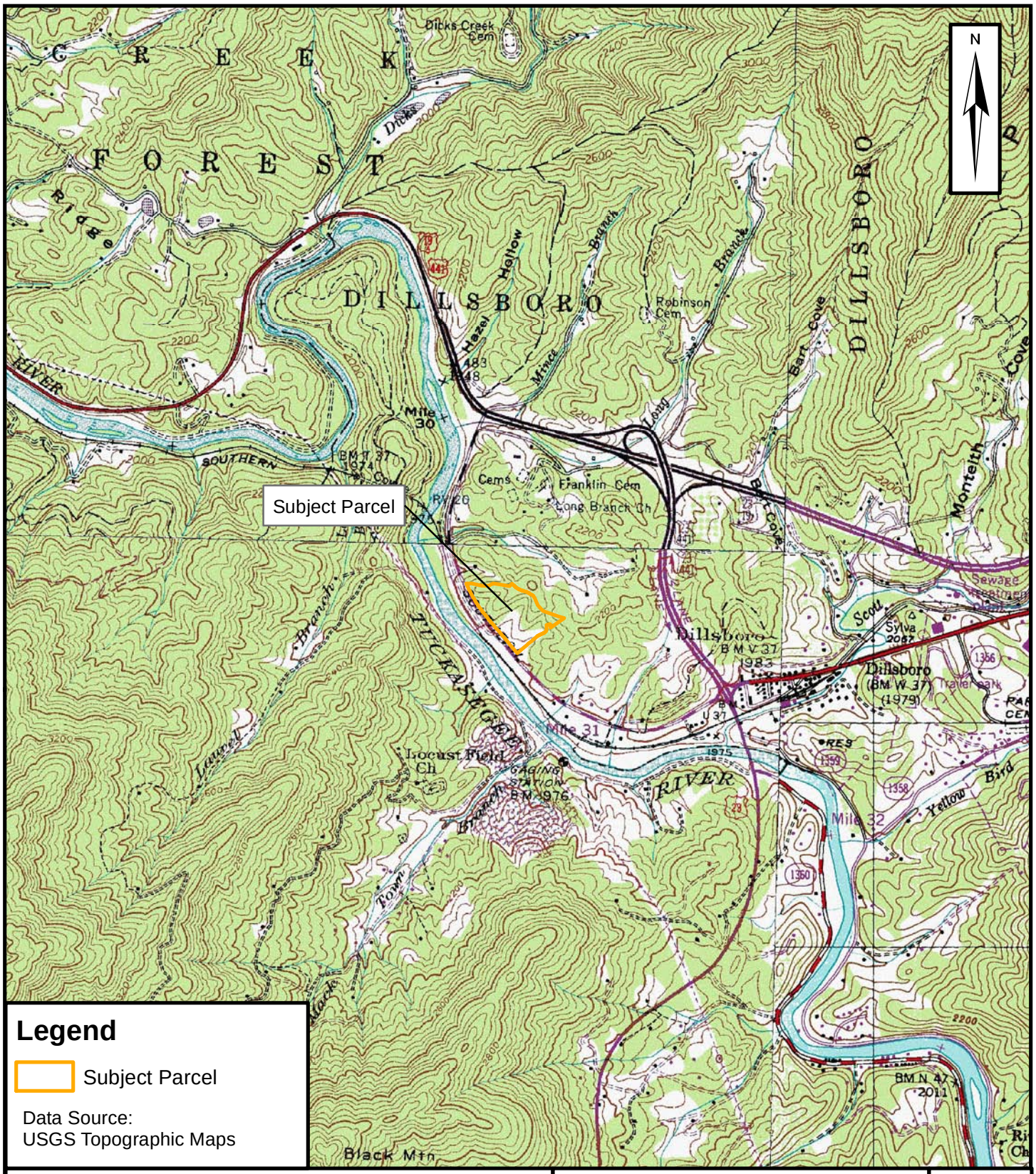
U. S. Environmental Protection Agency (EPA). 1996. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, OSWER, EPA/540/S-95/504.

FIGURES



ALTAMONT ENVIRONMENTAL, INC.
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DRAWN BY: CONNER SMITH
PROJECT MANAGER: BRIAN GANT
CLIENT: JACKSON COUNTY
DATE: 02/18/2015

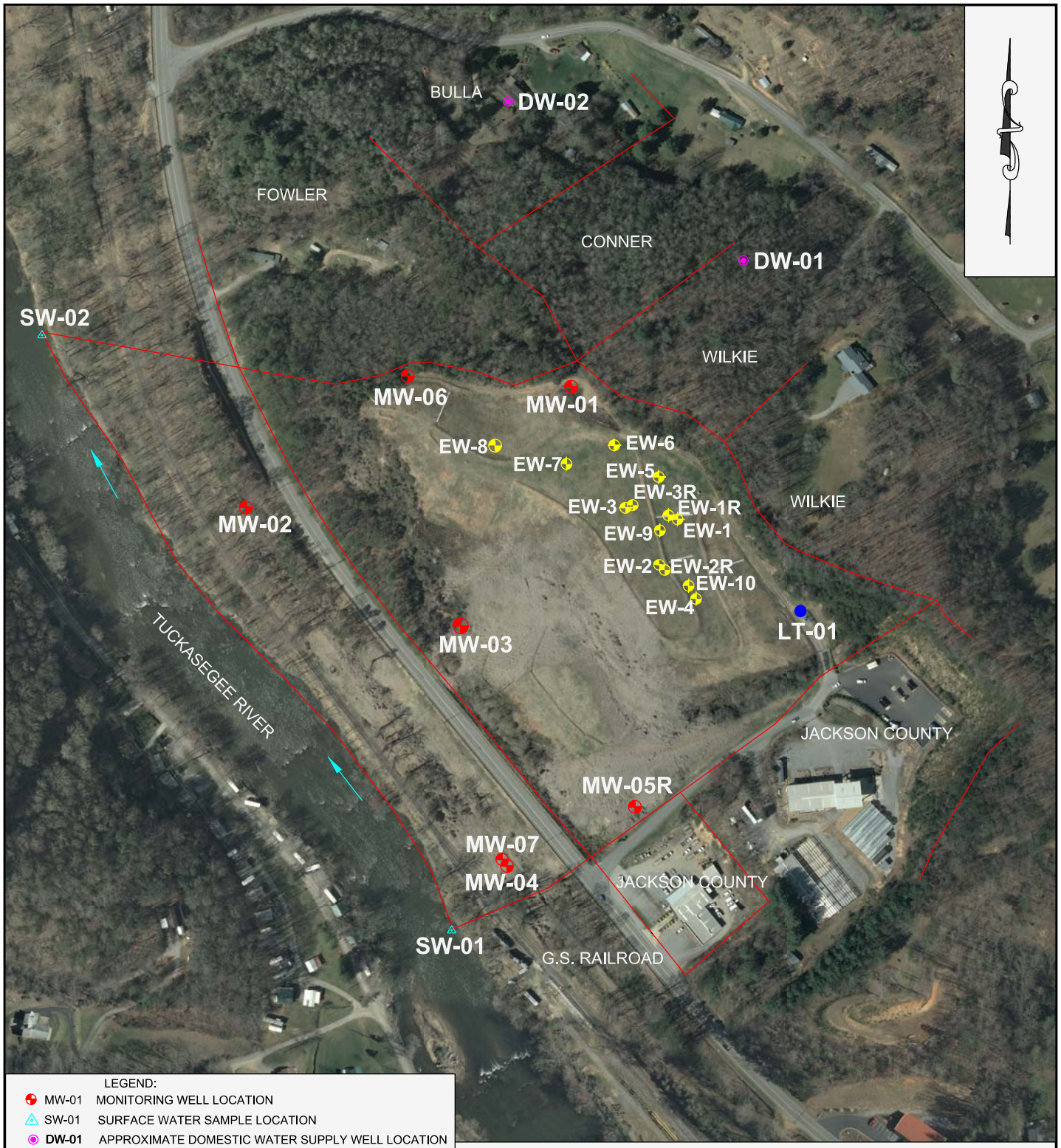
Feet
0 5001,000 2,000

SITE LOCATION MAP

JACKSON COUNTY CLOSED MUNICIPAL
SOLID WASTE LANDFILL
PERMIT #50-02
JACKSON COUNTY, NORTH CAROLINA

FIGURE
1

P:\JACKSON COUNTY\DILLSBORO GW\FIGURES\GIS\FIGURE 1 SITE LOCATION MAP.MXD



LEGEND:

- MW-01 MONITORING WELL LOCATION
- SW-01 SURFACE WATER SAMPLE LOCATION
- DW-01 APPROXIMATE DOMESTIC WATER SUPPLY WELL LOCATION
- LT-01 APPROXIMATE LEACHATE SAMPLE LOCATION
- EW-1 EXTRACTION WELL LOCATION
- PROPERTY BOUNDARY
- FOWLER PROPERTY OWNER SURNAME

NOTES:
1. LOCATIONS OF EXTRACTION WELLS ARE BASED ON A HAND HELD GPS UNIT.
2. LOCATIONS OF DOMESTIC WATER SUPPLY WELLS DW-01 AND DW-02 ARE APPROXIMATE.
3. AERIAL IMAGERY (2010) FROM NC ONEMAP WEBSITE.

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SAMPLE LOCATION MAP

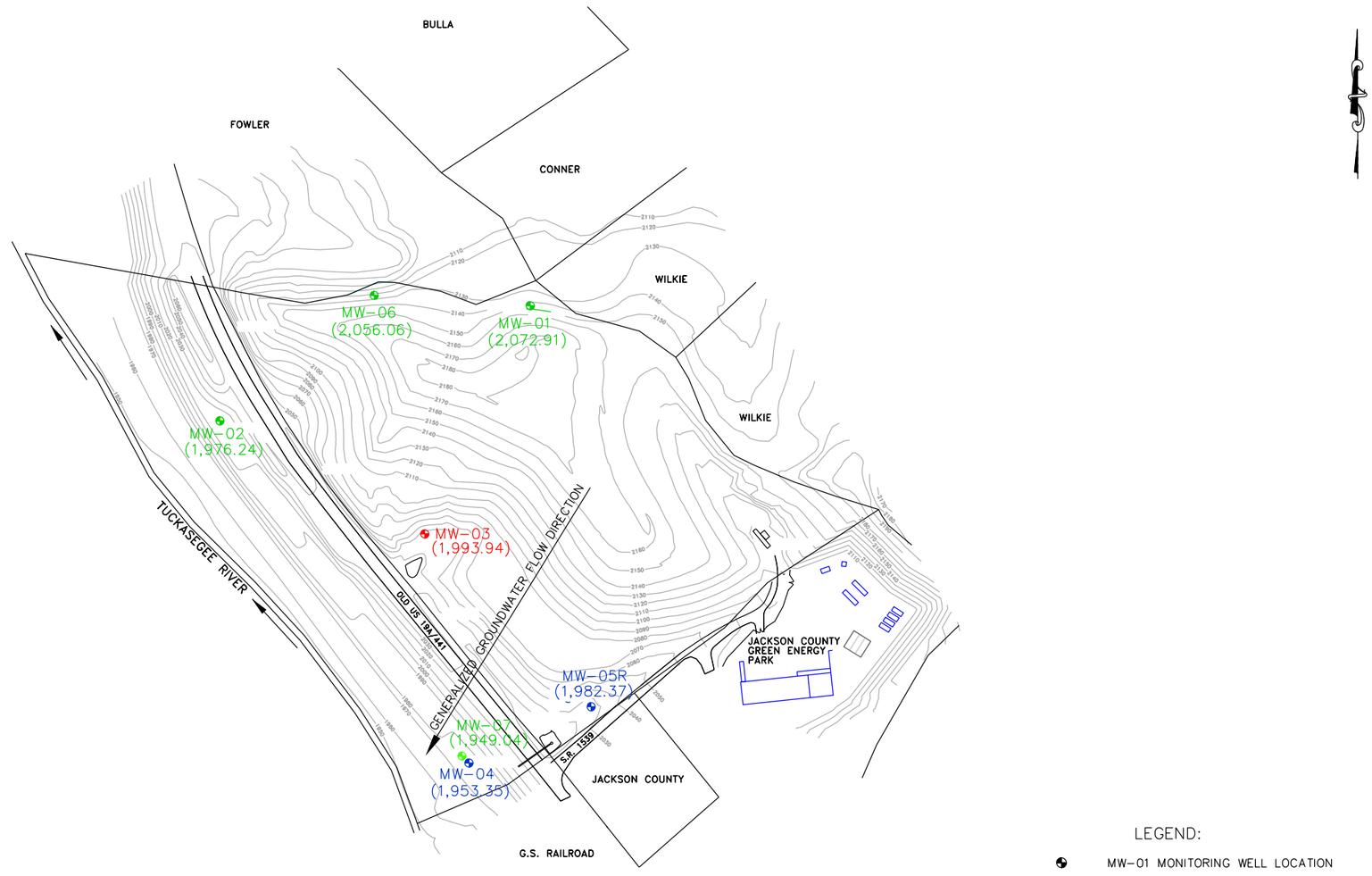
JACKSON COUNTY CLOSED MUNICIPAL
SOLID WASTE LANDFILL
PERMIT #50-02
JACKSON COUNTY, NORTH CAROLINA

FIGURE 2

DRAWN BY: CONNER SMITH
PROJECT MANAGER: BRIAN GANT
CLIENT: JACKSON COUNTY
DATE: 02/17/2015

SCALE (FEET)
0 150' 300'
1" = 300'

P:\JACKSON COUNTY\DILLSBORO GW\FIGURES\CAD\FALL\FIGURE 2-SAMPLE LOCATION MAP.DWG



LEGEND:

- MW-01 MONITORING WELL LOCATION
- (1,993.94) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL ON OCTOBER 22 OR 23, 2014
- FOWLER PROPERTY OWNER SURNAME
- SAPROLITE MONITORING WELL LOCATION
- PARTIALLY WEATHERED ROCK MONITORING WELL LOCATION
- BEDROCK MONITORING WELL LOCATION

NOTES:

1. TOPOGRAPHIC CONTOURS WERE OBTAINED FROM McGILL ASSOCIATES AND ARE FOR REPRESENTATIVE PURPOSES ONLY.
2. GROUNDWATER FLOW DIRECTION BASED ON GROUNDWATER ELEVATIONS IN FEET IN MONITORING WELLS MW-03, MW-04, AND MW-05 CALCULATED BASED ON DEPTH TO WATER MEASURED ON OCTOBER 22 AND 23, 2014.
3. GROUNDWATER ELEVATIONS AND FLOW DIRECTION ARE UPDATED ON A SEMIANNUAL BASIS EVERY APRIL AND OCTOBER FOLLOWING THE SAMPLE COLLECTION EVENTS.
4. MONITORING WELL MW-05R WAS INSTALLED ON JANUARY 26, 2012 AS A REPLACEMENT TO THE WELL MW-05 (ABANDONED ON JANUARY 26, 2012). WELL MW-05R WAS SURVEYED BY WES COLE LAND SURVEYING, P.A. ON SEPTEMBER 28, 2012.

REV.	DATE	DESCRIPTION	BY	CHK	APV
9	02-17-2015	UPDATE GW ELEVATIONS	CS	BG	
8	06-09-14	UPDATE GW ELEVATIONS	NB	BG	RH
7	12-09-13	UPDATE GW ELEVATIONS	MVD	NB	RH
6	06-18-11	UPDATE	MVD	AKB	CFG
5	11-11-09	UPDATE	KRM	APM	
4	06-01-09	UPDATE	MAV	JDH	
3	06-09-08	UPDATE	KM	JDH	
2	10-30-06	NEW TITLE BLOCK	JK	JDH	
1	11-12-01	ORIGINAL	JMC	JPM	

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DRAWN BY: CONNER SMITH
PROJECT MANAGER: BRIAN GANT
CLIENT: JACKSON COUNTY
DATE: 02/17/2015

SCALE (FEET)
0 150 300

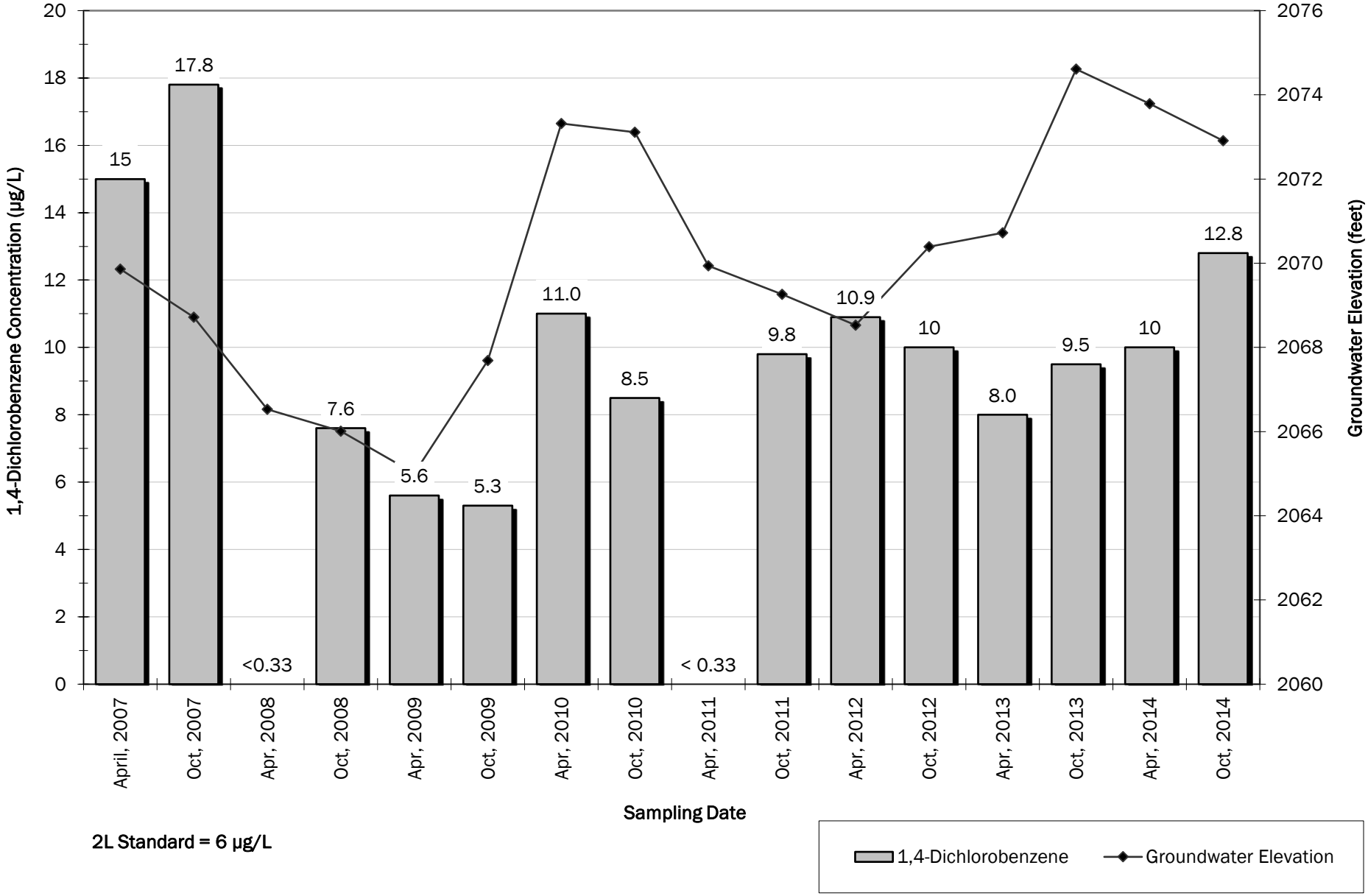
GENERALIZED GROUNDWATER FLOW DIRECTION

JACKSON COUNTY CLOSED MUNICIPAL SOLID WASTE LANDFILL
PERMIT #50-02
JACKSON COUNTY, NORTH CAROLINA

FIGURE 3

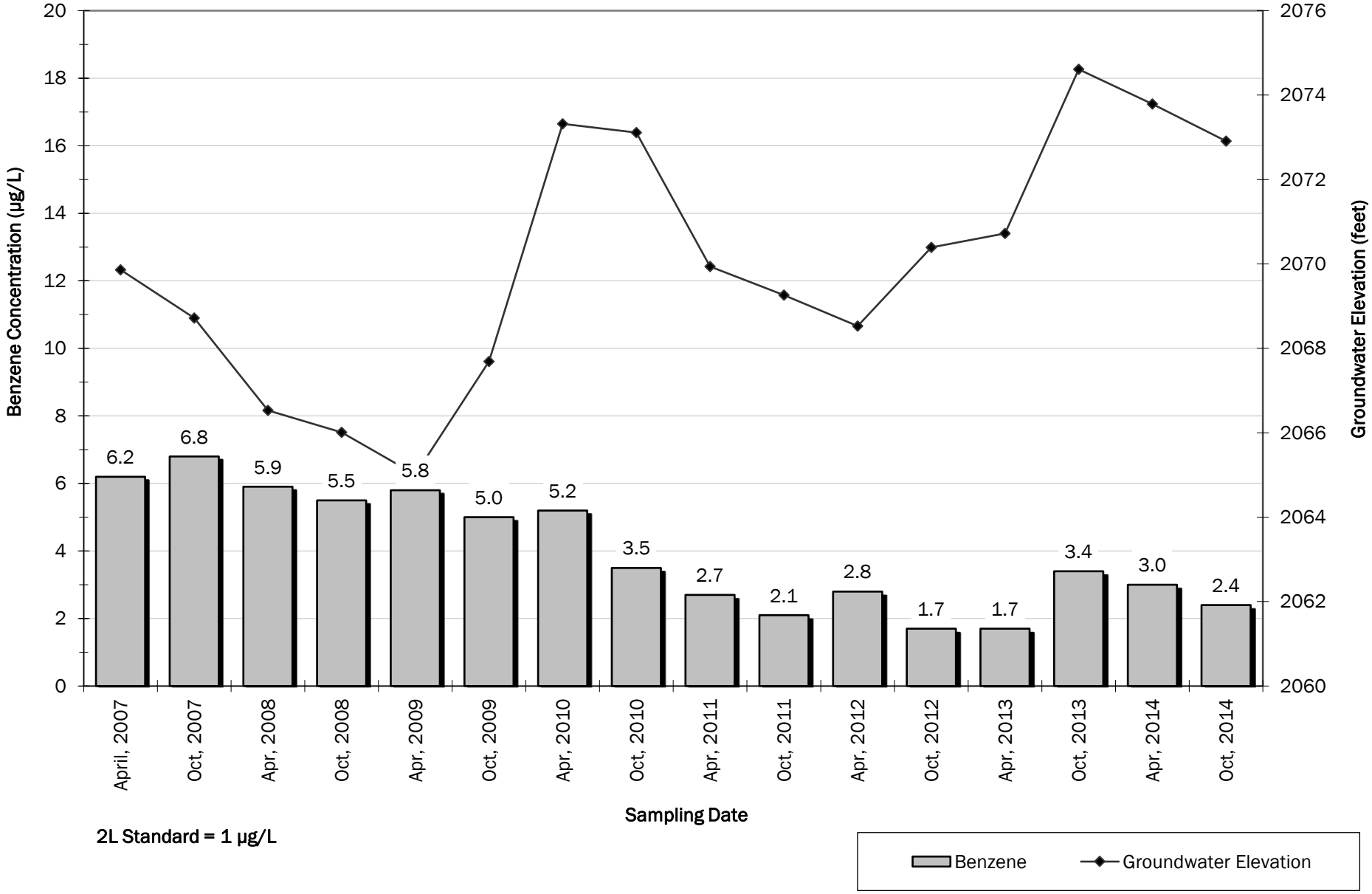
P:\JACKSON COUNTY\DILLSBORO GW\FIGURES\CADÉ4\FALL\FIGURE 3

Figure 4
Hydrograph and 1,4-Dichlorobenzene Concentration vs. Time
Monitoring Well MW-01
Jackson County Closed Municipal Solid Waste Landfill



P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\5002Oct2014Graphs

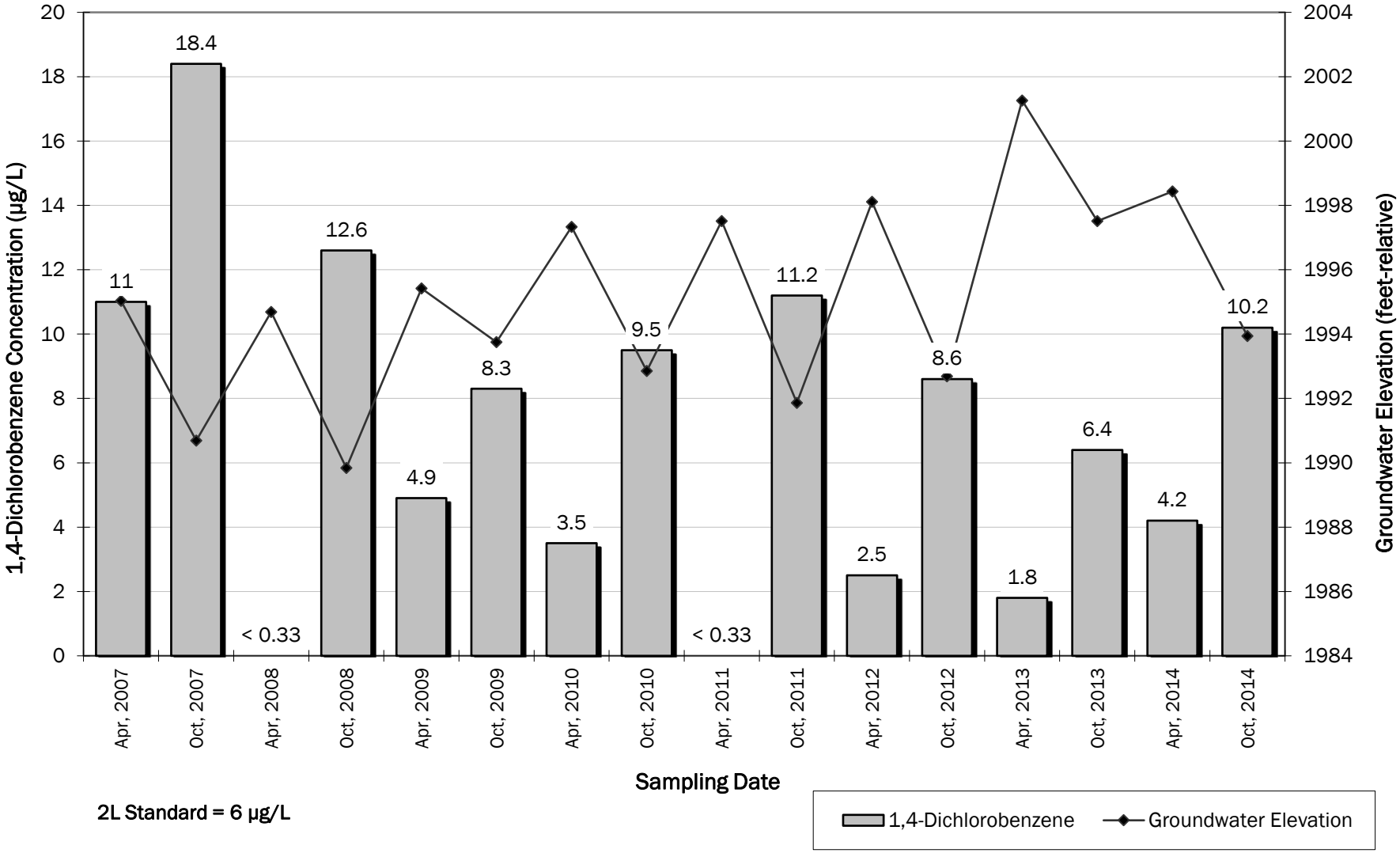
Figure 5
Hydrograph and Benzene Concentration vs. Time
Monitoring Well MW-01
Jackson County Closed Municipal Solid Waste Landfill



2L Standard = 1 µg/L

P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\5002Oct2014Graphs

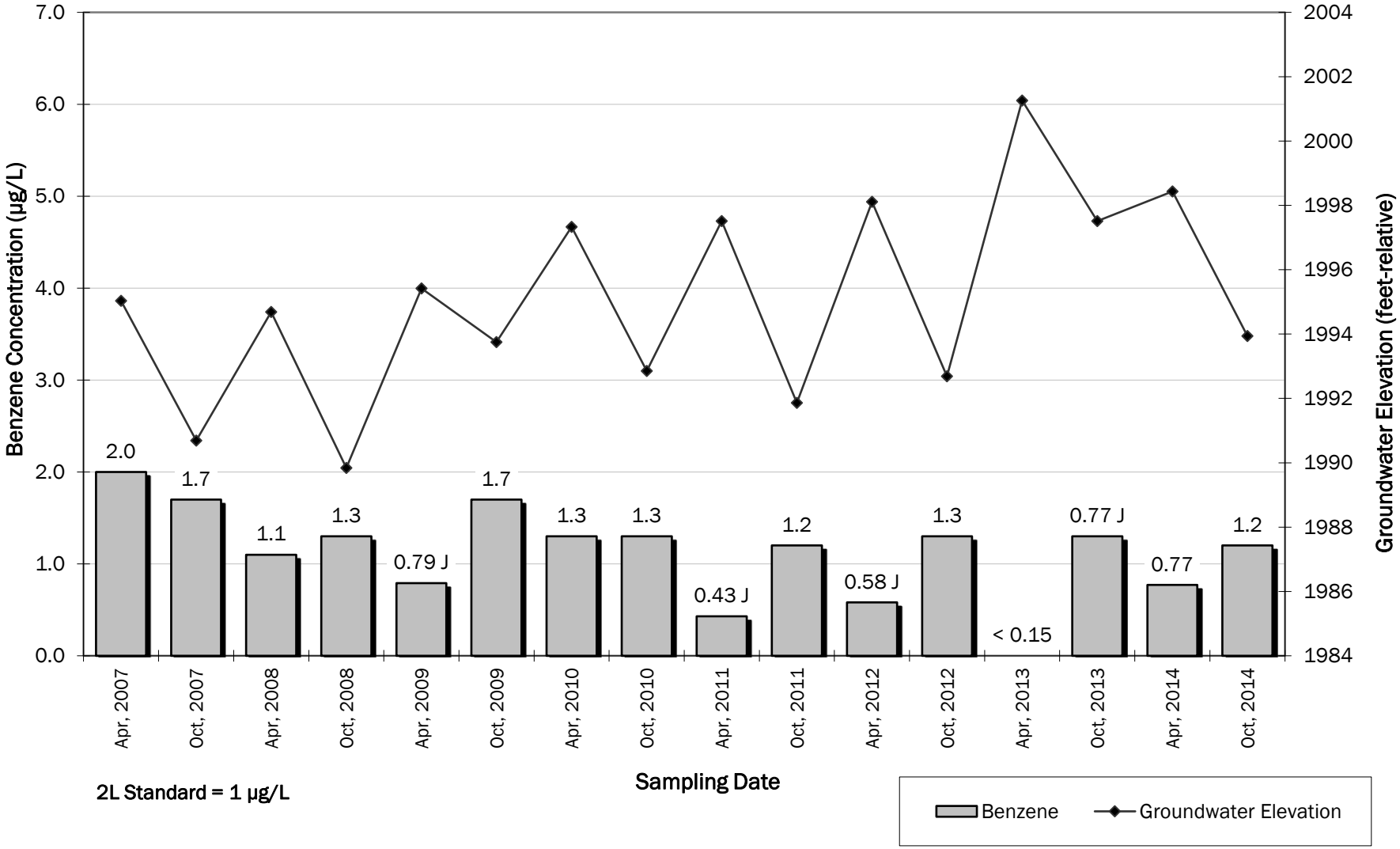
Figure 6
Hydrograph and 1,4-Dichlorobenzene Concentration vs. Time
Monitoring Well MW-03
Jackson County Closed Municipal Solid Waste Landfill



2L Standard = 6 µg/L

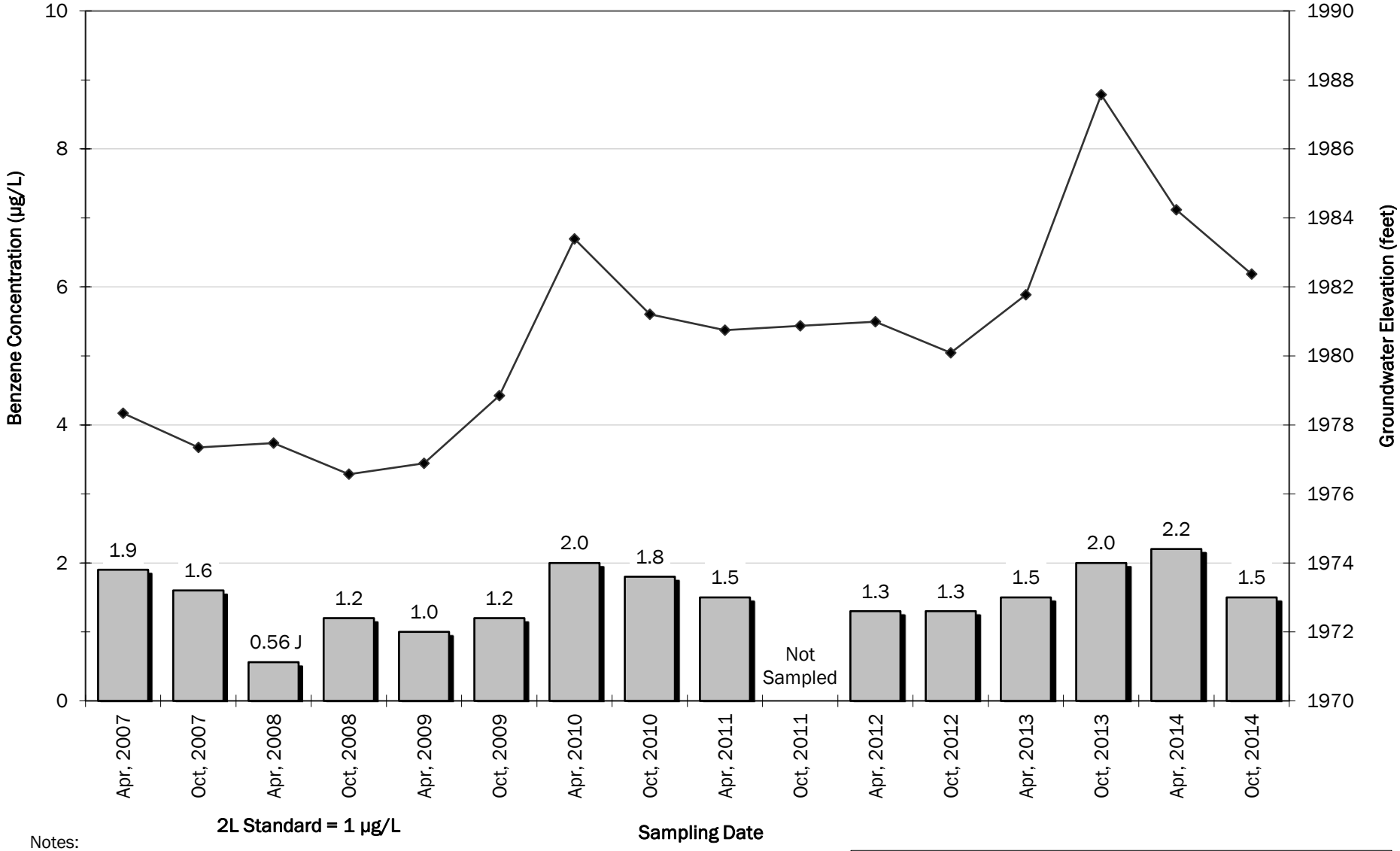
P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\5002Oct2014Graphs

Figure 7
Hydrograph and Benzene Concentration vs. Time
Monitoring Well MW-03
Jackson County Closed Municipal Solid Waste Landfill



P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\50020ct2014Graphs

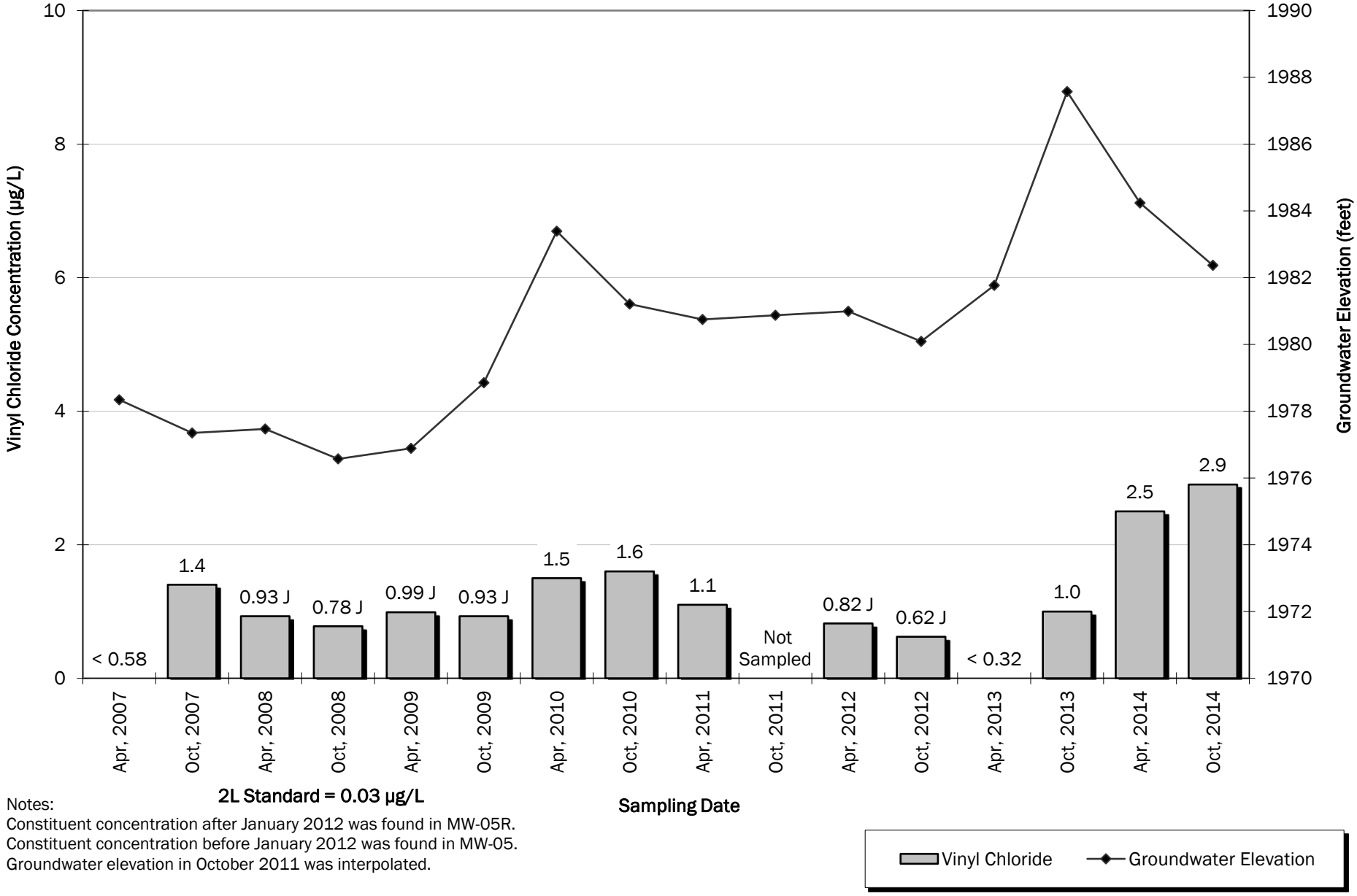
Figure 8
Hydrograph and Benzene Concentration vs. Time
Monitoring Well MW-05R
Jackson County Closed Municipal Solid Waste Landfill



Notes:
Constituent concentration after January 2012 was found in MW-05R.
Constituent concentration before January 2012 was found in MW-05.
Groundwater elevation in October 2011 was interpolated.

P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\5002Oct2014Graphs

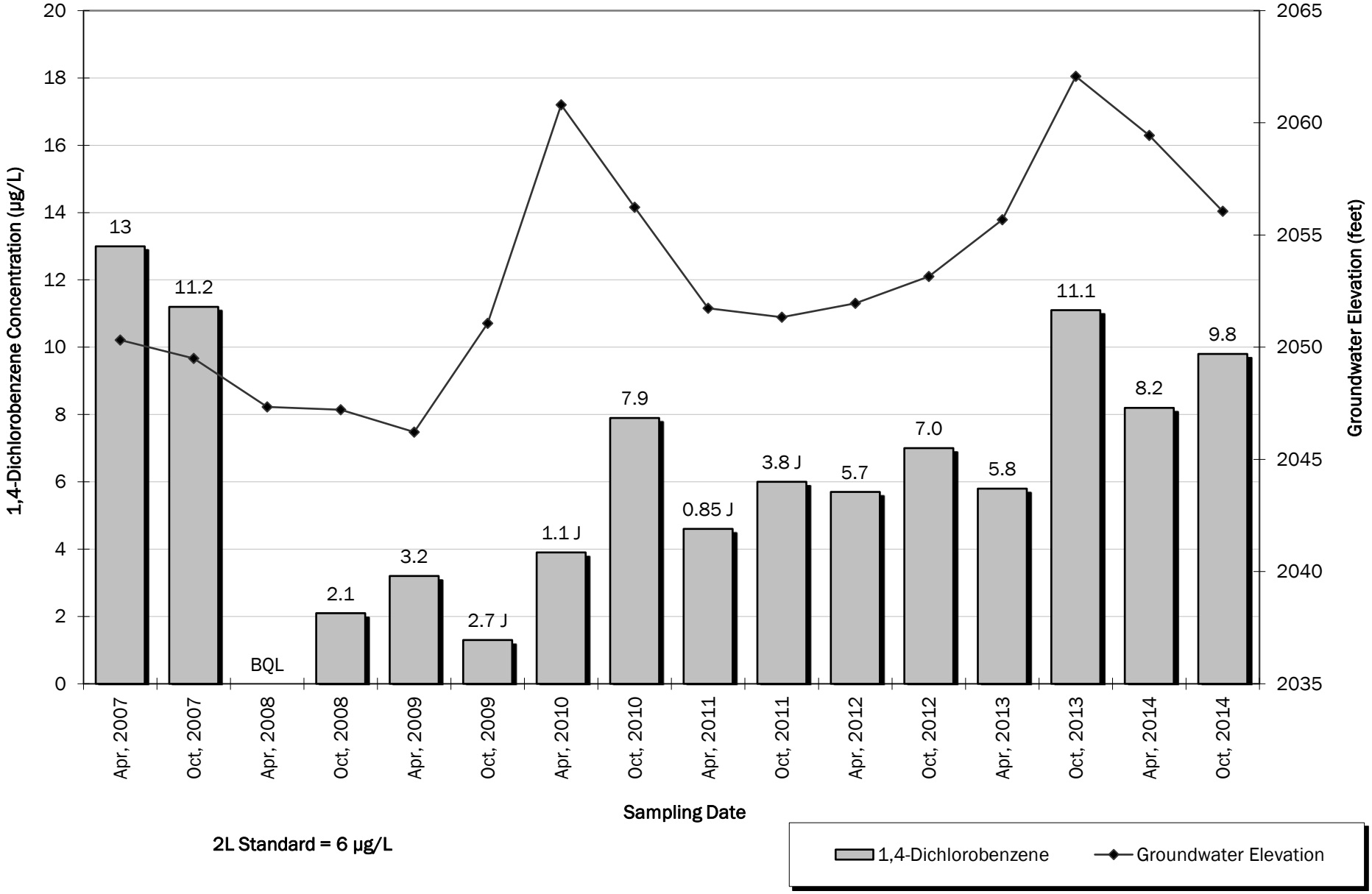
Figure 9
Hydrograph and Vinyl Chloride Concentration vs. Time
Monitoring Well MW-05R
Jackson County Closed Municipal Solid Waste Landfill



Notes:
Constituent concentration after January 2012 was found in MW-05R.
Constituent concentration before January 2012 was found in MW-05.
Groundwater elevation in October 2011 was interpolated.

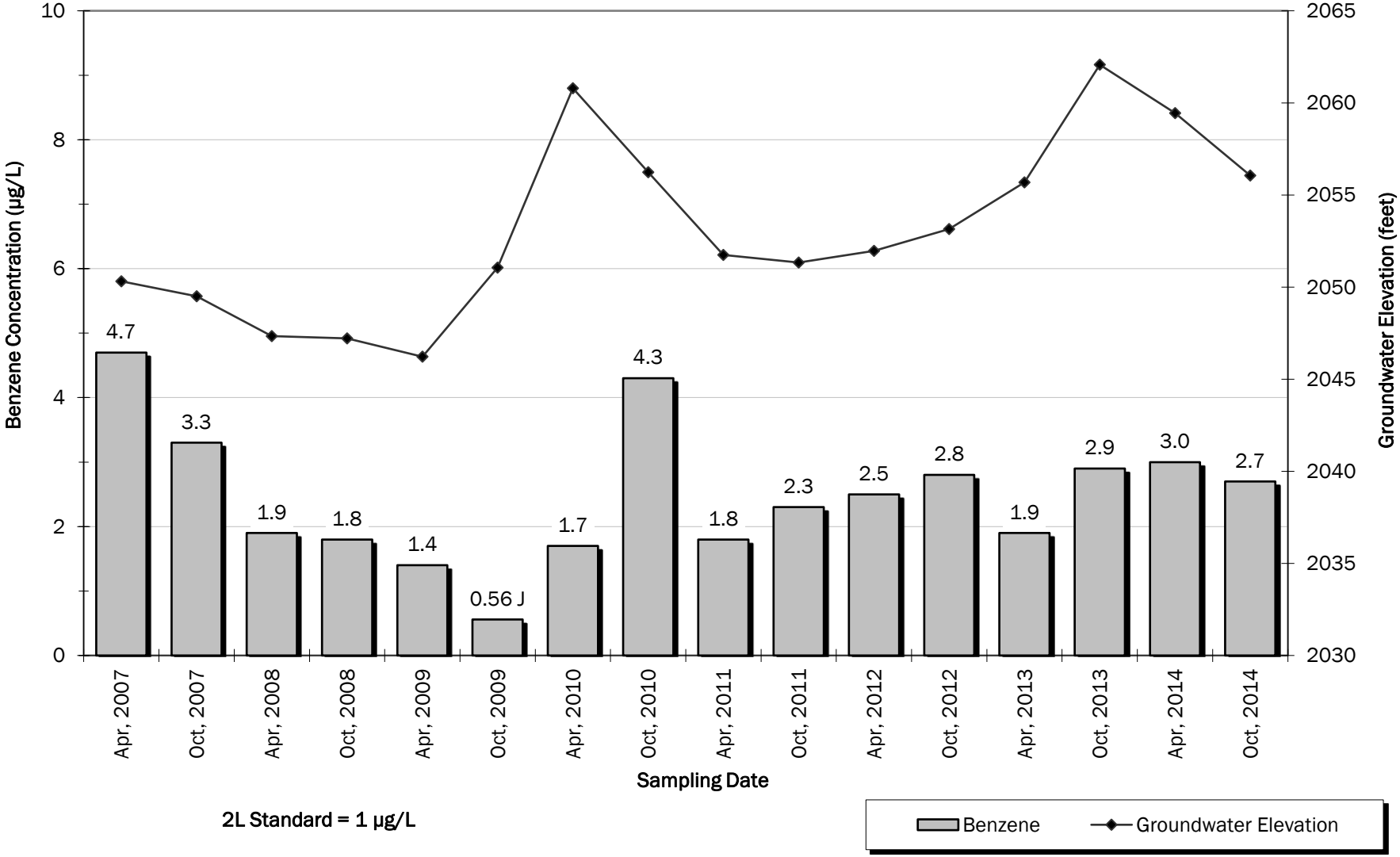
P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\5002Oct2014Graphs

Figure 10
Hydrograph and 1,4-Dichlorobenzene Concentration vs. Time
Monitoring Well MW-06
Jackson County Closed Municipal Solid Waste Landfill



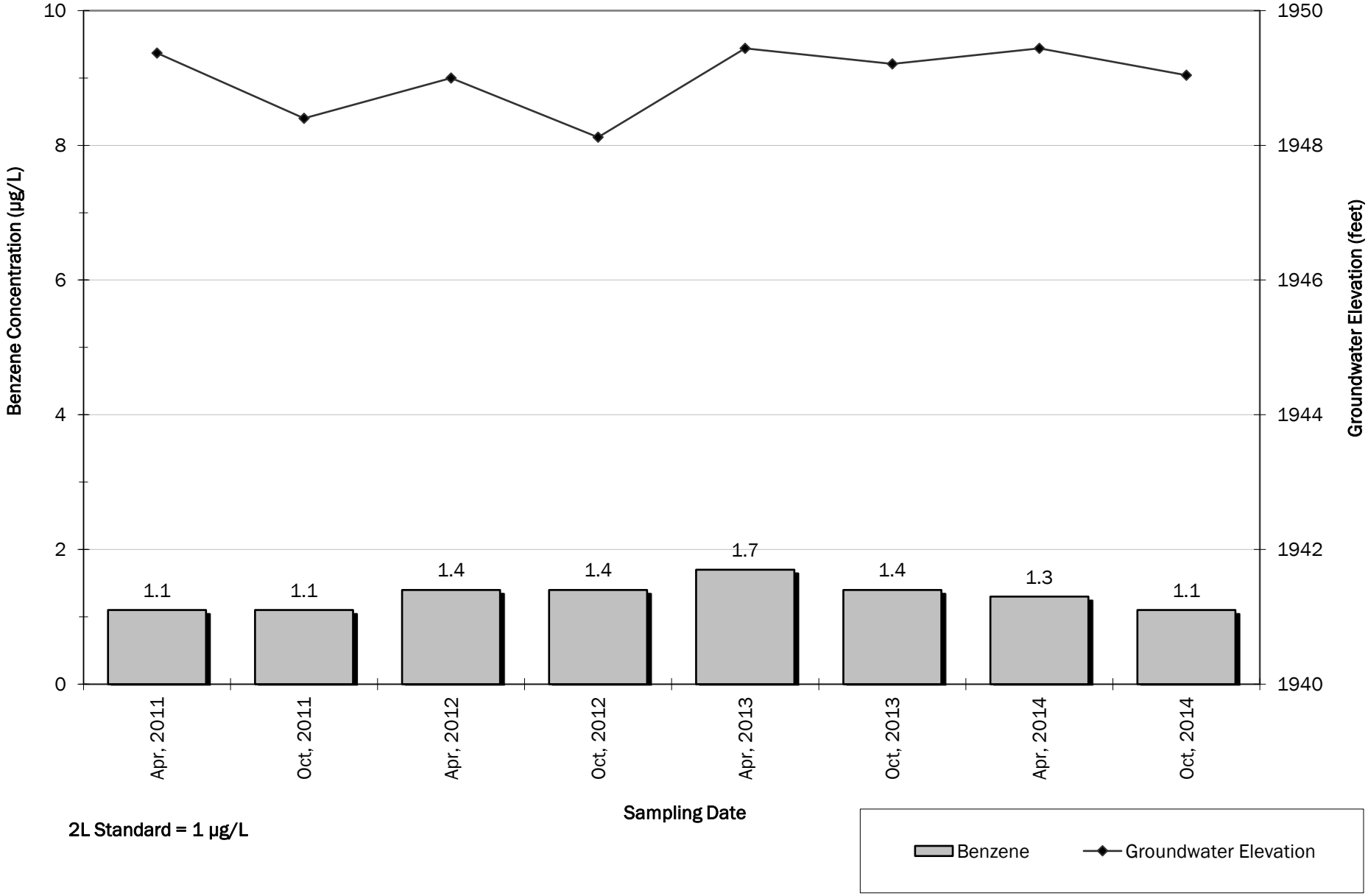
P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\5002Oct2014Graphs

Figure 11
Hydrograph and Benzene Concentration vs. Time
Monitoring Well MW-06
Jackson County Closed Municipal Solid Waste Landfill



P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\5002Oct2014Graphs

Figure 12
Hydrograph and Benzene Concentration vs. Time
Monitoring Well MW-07
Jackson County Closed Municipal Solid Waste Landfill



2L Standard = 1 µg/L

P:\Jackson County\Dillsboro GW\Analytical & Data\Water\2014\Fall\Tables\5002Oct2014Graphs

TABLES

Table 1
Summary of Laboratory Analyses Performed on Samples
Jackson County Closed Municipal Solid Waste Landfill, Jackson County, North Carolina

GROUNDWATER SAMPLES

Analysis		Metals	VOCs	SVOCs	Mercury	Pesticides	PCB	O/P Pesticides	Herbicides
Sample Name	Date Collected	EPA 6010	EPA 8260	EPA 8270	EPA 7470	EPA 8081	EPA 8082	EPA 8141	EPA 8151
MW-01	10/23/2014	X	X	X	X	X	X	X	X
MW-02	10/23/2014	X	X	X	X	X	X	X	X
MW-03	10/22/2014	X	X	X	X	X	X	X	X
MW-04	10/22/2014	X	X	X	X	X	X	X	X
MW-05R	10/23/2014	X	X	X	X	X	X	X	X
MW-06	10/22/2014	X	X	X	X	X	X	X	X
MW-07	10/23/2014	X	X	X	X	X	X	X	X

SURFACE WATER, LEACHATE, AND QUALITY CONTROL SAMPLE

Analysis		Metals	VOCs	SVOCs	Mercury	Pesticides	PCB	O/P Pesticides	Herbicides	MSV	Sulfide Water	Cyanide, Total
Sample Name	Date Collected	EPA 6010	EPA 8260	EPA 8270	EPA 7470	EPA 8081	EPA 8082	EPA 8141	EPA 8151	EPA 524.2	SM-4500-S2D	SM 4500-CN-E
SW-01	10/22/2014	X	X	X	X	X	X	X	X		X	X
SW-02	10/22/2014	X	X	X	X	X	X	X	X		X	X
LT-01	10/23/2014		X									
DW-01	10/23/2014									X		
Trip Blank	10/22/2014		X									
Trip Blank	10/23/2014		X									

GROUNDWATER SAMPLES

Natural Attenuation Parameters															
Analysis		Alkalinity	BOD	COD	Chloride	Cyanide, Total	Volatile Fatty Acids	Iron Ferrous	Nitrogen, Nitrate	Sulfate	Sulfide	TOC	Ethane, Ethene, Methane	Hydrogen	Carbon Dioxide
Sample Name	Date Collected	SM 2320B	SM 5210B	SM 5220D	SM 4500-Cl-E	SM 4500-CN-E	AM23G	SM 3500-Fe B	EPA 353.2	EPA 300.0	SM 4500-S2D	SM 5310B	RSK 175	AM 23GAX	
MW-01	10/23/2014	X	X	X	X	X	X	X	X	X	X	X	X		X
MW-02	10/23/2014	X	X	X	X	X	X	X	X	X	X	X	X		X
MW-03	10/22/2014	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-04	10/22/2014	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-05R	10/23/2014	X	X	X	X	X	X	X	X	X	X	X	X		X
MW-06	10/22/2014	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-07	10/23/2014	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Notes:
1. VOCs = volatile organic compounds.
2. TOC = total organic carbon.
3. BOD = biochemical oxygen demand.
4. COD = chemical oxygen demand.
5. During the fall 2014 monitoring event, Appendix II constituents were analyzed per Title 40 Code of Federal Regulations (CFR) Part 258.
6. Blank cells indicate that the analysis was not performed on that sample.

Table 2
Summary of Detected Parameters
Jackson County Closed Municipal Solid Waste Landfill, Jackson County, North Carolina

	Lab Certification	Metals												Volatile Organic Compounds (VOCs)				
	Lab Method	EPA 6010												EPA 8260				
	Parameter	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Mercury	Nickel	Tin	Vanadium	Zinc	1,1-Dichloroethane	1,2-Dichlorobenzene	1,4-Dichlorobenzene	Benzene	Carbon disulfide
	CAS Number	7440-36-0	7440-38-2	7440-39-3	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-97-6	7440-02-0	7440-31-5	7440-62-2	7440-66-6	75-34-3	95-50-1	106-46-7	71-43-2	75-15-0
	SWS ID	13	14	15	34	51	53	54	132	152	195	209	213	75	69	71	16	35
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Sample Name	Collect Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
MW-01	10/23/2014	3.8 U	**2.8 J**	**122**	**4.0**	2.5 U	**177**	**12.2**	0.1 U	**15.7 J**	**3.4 J**	**5.0 J**	**68.9**	**4 J**	0.30 U	**12.8**	**2.4**	1.2 U
MW-02	10/23/2014	3.8 U	**2.8 J**	**52.3 J**	0.5 U	**3.9 J**	**36.2**	**4.6 J**	0.1 U	**6.3 J**	2.5 U	2.5 U	**8.8 J**	**0.39 J**	0.30 U	0.33 U	0.25 U	1.2 U
MW-03	10/22/2014	3.8 U	2.5 U	**142**	0.5 U	2.5 U	**49**	2.5 U	0.1 U	**6.4 J**	2.5 U	2.5 U	**6.2 J**	**1.4 J**	**0.47 J**	**10.2**	**1.2**	**1.5 J**
MW-04	10/22/2014	**4.8 J**	2.5 U	**83.6 J**	0.5 U	2.5 U	2.5 U	2.5 U	**0.36**	2.5 U	2.5 U	2.5 U	5 U	0.32 U	0.30 U	**4.3**	**0.67 J**	1.2 U
MW-05R	10/23/2014	3.8 U	**3.3 J**	**75.8 J**	0.5 U	2.5 U	**9.7 J**	2.5 U	0.1 U	**4.8 J**	2.5 U	2.5 U	5 U	0.32 U	0.30 U	**3.0**	**1.5**	1.2 U
MW-06	10/22/2014	3.8 U	**3.2 J**	**49.7 J**	0.5 U	2.5 U	**80.8**	2.5 U	0.1 U	**8.3 J**	2.5 U	2.5 U	**13**	**4.4 J**	0.30 U	**9.8**	**2.7**	1.2 U
MW-07	10/23/2014	3.8 U	2.5 U	**351**	0.5 U	2.5 U	2.5 U	2.5 U	0.1 U	**4.7 J**	2.5 U	2.5 U	**5.8 J**	0.32 U	**0.41 J**	**5.7**	**1.1**	1.2 U
LT-01	10/23/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.30U	**5.3**	**1.4**	1.2 U
SW-01	10/22/2014	3.8 U	2.5 U	**12 J**	0.5 U	2.5 U	2.5 U	2.5 U	0.1 U	2.5 U	2.5 U	2.5 U	5 U	0.32 U	0.30 U	0.33 U	0.25 U	1.2 U
SW-02	10/22/2014	3.8 U	2.5 U	**12 J**	0.5 U	2.5 U	2.5 U	2.5 U	0.1 U	2.5 U	2.5 U	2.5 U	5 U	0.32 U	0.30 U	0.33 U	0.25 U	1.2 U
DW-01	10/23/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank	10/22/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.30 U	0.33 U	0.25 U	1.2 U
TRIP BLANK	10/23/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.30 U	0.33 U	0.25 U	1.2 U
	MDL	3.8	2.5	2.5	0.5	2.5	2.5	2.5	0.1	2.5	2.5	2.5	10.0	0.32	0.30	0.33	0.25	1.20
	MRL	5	10	5	1.0	5.0	5.0	5.0	0.2	5.0	5	5	10.0	1.0	1.0	1.0	1.0	2.0
	SWSL	6	10	100	1	10	10	10	0.2	50	100	25	10	5	5	1	1	100
	2L	NE	700	700	2	10	NE	1,000	1	100	NE	NE	1,000	6	20	6	1	700
	IMAC	1	NE	NE	NE	NE	1	NE	NE	NE	2000	0.3	NE	NE	NE	NE	NE	NE
	GWPS	1	NE	NE	NE	NE	1	NE	NE	NE	2000	0.3	NE	NE	NE	NE	NE	NE
	2B	NE	10	200,000	2	50	4	7	0.012	88	800	NE	50	100	79	56	51	20,000

Table 2
Summary of Detected Parameters
Jackson County Closed Municipal Solid Waste Landfill, Jackson County, North Carolina

	Lab Certification	Volatile Organic Compounds (VOCs)												Semivolatile Organic Compounds		Chlorinated Herbicides	Natural Attenuation Parameters		
	Lab Method	12 EPA 8260												12 EPA 8270		667 EPA 8151	40 SM2320B	SM 5210B	SM 5220D
	Parameter	Chlorobenzene	cis-1,2-Dichloroethene	Dichlorodiflouromethane	Ethylbenzene	m & p Xylene	Naphthalene	o-Xylene	Tetrachloro-ethene	Toluene	Trichloro-ethene	Vinyl Chloride	Xylene (Total)	1,4-Dichlorobenzene	Caprolactam	2,4,5-TP(Silvex)	Alkalinity, Total as CaCO3	BOD	COD
	CAS Number	108-90-7	156-59-2	75-71-8	100-41-4	79601-23-	91-20-3	95-47-6	127-18-4	108-88-3	79-01-6	75-01-4	1330-20-7	106-46-7	105-60-2	93-72-1	SW337	SW316	SW317
	SWS ID	39	78	74	110	359	148	408	192	196	201	211	346	71	440	185	337	316	317
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L
Sample Name	Collect Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
MW-01	10/23/2014	**4.1**	**7.9**	0.21 U	**0.48 J**	**3.8**	**2.2 J**	**3.9**	**0.60 J**	0.26 U	**0.71 J**	0.62 U	**7.7**	**3.8 J**	1.1 U	0.049 U	**133**	**4.9**	**36**
MW-02	10/23/2014	0.23 U	**0.71 J**	0.21 U	0.30 U	0.66 U	0.24 U	0.23 U	0.46 U	0.26 U	0.47 U	0.62 U	0.66U	**1.6 J**	1.1 U	0.049 U	**26**	**4.3**	**45**
MW-03	10/22/2014	**11.3**	**3.3 J**	0.21 U	0.30 U	0.66 U	0.26 J	0.23 U	0.46 U	0.26 U	0.47 U	0.62 U	0.66U	**5.3 J**	1.1 U	**0.057 J**	**83.7**	2 U	**27**
MW-04	10/22/2014	**3.4**	**3.3**	0.21 U	0.30 U	0.66 U	0.28 J	0.23 U	0.46 U	0.26 U	0.47 U	0.62 U	0.66U	0.81 U	1.1 U	0.049 U	**105**	2 U	**45**
MW-05R	10/23/2014	**5.3**	**1.8 J**	**0.59 J**	0.30 U	0.66 U	0.24 U	0.23 U	0.46 U	0.26 U	0.47 U	**2.9**	0.66U	**3.0 J**	**85.4**	0.049 U	**264**	**16.7**	**72**
MW-06	10/22/2014	**3.1**	**8.9**	0.21 U	0.30 U	0.66 U	**0.32 J**	**0.36 J**	**0.5 J**	0.26 U	**0.81 J**	0.62 U	0.66U	0.81 U	1.1 U	0.049 U	**37.8**	2 U	12.5 U
MW-07	10/23/2014	**5.7**	**5.4**	0.21 U	0.30 U	0.66 U	0.93 J	0.23 U	0.46 U	0.26 U	0.47 U	0.62 U	0.66U	**2.8 J**	1.1 U	0.049 U	**252**	2 U	**38**
LT-01	10/23/2014	**3.0**	**0.49 J**	**0.31 J**	**2.7**	**1.0 J**	**8.8 J**	**1.4**	0.46 U	**0.51 J**	0.47 U	0.62 U	**1.4 J**	NA	NA	NA	NA	NA	NA
SW-01	10/22/2014	0.23 U	0.19 U	0.21 U	0.30 U	0.66 U	0.24 U	0.23 U	0.46 U	0.26 U	0.47 U	0.62 U	0.66 U	0.33 U	1.1 U	0.049 U	NA	NA	NA
SW-02	10/22/2014	0.23 U	0.19 U	0.21 U	0.30 U	0.66 U	0.24 U	0.23 U	0.46 U	0.26 U	0.47 U	0.62 U	0.66 U	0.33 U	1.1 U	0.049 U	NA	NA	NA
DW-01	10/23/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank	10/22/2014	0.23 U	0.19 U	0.21 U	0.30 U	0.66 U	0.24 U	0.23 U	0.46 U	0.26 U	0.47 U	0.62 U	0.66 U	NA	NA	NA	NA	NA	NA
TRIP BLANK	10/23/2014	0.23 U	0.19 U	0.21 U	0.30 U	0.66 U	0.24 U	0.23 U	0.46 U	0.26 U	0.47 U	0.62 U	0.66 U	NA	NA	NA	NA	NA	NA
	MDL	0.23	0.19	0.21	0.30	0.66	0.24	0.23	0.46	0.26	0.47	0.62	0.66	0.81	2.2	0.19	1	2	12.5
	MRL	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2	10	20	0.042	5	2	25
	SWSL	3	5	5	1	5	10	5	1	1	1	1	5	1	NE	2	NE	NE	NE
	2L	50	70	1000	600	500	6	500	0.7	600	3	0.03	500	6	4000	50	NE	NE	NE
	IMAC	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	GWPS	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	2B	140	720	NE	97	NE	12	600	3.3	0.36	30.0	2.4	670	100	NE	NE	NE	NE	NE

Table 2
Summary of Detected Parameters
Jackson County Closed Municipal Solid Waste Landfill, Jackson County, North Carolina

		Natural Attenuation Parameters									Field Parameters		
	Lab Certification	40									5445 (pH only)		
	Lab Method	SM 4500-CL-E	SM 4500-CN-E	SM 3500-Fe-B	RSK 175	EPA 353.2	EPA 300.0	SM 5310B	AM20GAX				
	Parameter	Chloride	Cyanide	Iron, Ferrous	Methane	Nitrogen, Nitrate	Sulfate	TOC	Carbon Dioxide	Hydrogen	Dissolved Oxygen	pH	Turbidity
	CAS Number	16887-00-6	57-12-5	SW	74-82-8	SW303	14808-79-8	7440-44-0	124-38-9	133-74-0	7782-44-7	SW320	SW330
	SWS ID	455	58		333	303	315	357	459	420	356	320	330
	Units	mg/L	mg/L	mg/L	µg/L	mg/L	mg/L	mg/L	mg/L	nM	mg/L	SU	NTU
Sample Name	Collect Date	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
MW-01	10/23/2014	**1.2**	**0.0029 J**	**25.7**	**3320**	0.01 U	**1.6 J**	**31.5**	**320**	NA	1.2	5.91	41.01
MW-02	10/23/2014	**15.5**	0.0025 U	0.5 U	3.3 U	**0.18 J**	**4.6**	**16.2**	**94**	NA	6.2	5.51	4.58
MW-03	10/22/2014	**42.1**	**0.0033 J**	0.5 U	**9.5**	***1.7 J***	**2.2 J**	**45**	**320**	**6.5**	0.81	5.39	0.00
MW-04	10/22/2014	**75.2**	0.0025 U	0.5 U	**1420**	***2.7 J***	***95.5 J***	**65.4**	**390**	**33**	0.39	5.42	0.00
MW-05R	10/23/2014	**51.9**	0.0025 U	**2.3**	**2210**	0.01 U	**1.5 J**	**48.4**	**280**	**1.3**	3.51	6.48	221.3
MW-06	10/22/2014	**0.8 J**	0.0025 U	**1.5**	**607**	0.02 U	**1.5 J**	**37.8**	NA	NA	0.38	4.91	0.00
MW-07	10/23/2014	**60**	0.0025 U	**0.73**	**648**	0.01 U	**26 J**	**28.9**	**340**	**1.5**	0.32	5.93	2.1
LT-01	10/23/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.65	6.76	6.81
SW-01	10/22/2014	NA	0.0025 U	NA	NA	NA	NA	NA	NA	NA	10.79	6.11	2.86
SW-02	10/22/2014	NA	0.0025 U	NA	NA	NA	NA	NA	NA	NA	8.87	6.11	0.22
DW-01	10/23/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.73	6.59	0.00
Trip Blank	10/22/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TRIP BLANK	10/23/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MDL	0.5	0.0025	12.5	3.3	0.01	1	1	0.31/0.23	0.49	NA	NA	NA
	MRL	1	0.005	12.5	6.6	0.02	2	2	2.0/5.0	6.0	NA	NA	NA
	SWSL	NE	10	300	NE	10	250	NE	NE	NE	NE	NE	NE
	2L	250	70	300	NE	10	250	NE	NE	NE	NE	6.5-8.5	NE
	IMAC	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	GWPS	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	2B	230	5 (N)	1.0	NE	NE	NE	NE	NE	NE	above 5.0	6.0-9.0	50

Notes:

1. Only results, MDLs, MRLs, certification numbers, and methods for detected constituents are listed on this table. Please refer to Pace Report of Laboratory Analysis for further details.
2. "Lab Method" is the analytical method used to analyze the constituents.
3. "CAS NUMBER" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters.
4. "SWS ID" is the Solid Waste Section Identification Number.
5. "Units" are micrograms per liter (µg/L) and milligrams per liter (mg/L) for analytical results, Standard Units (SU) for pH and nephelometric turbidity units (NTU) for turbidity.
6. "Collect Date" is the date on which the sample was collected in the field.
7. "Result" is analytical data reported by the laboratory or field data collected by Altamont.
8. "MDL" is the method detection limit, which is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
9. "MRL" is the method reporting limit, which is the minimum concentration of a target analyte that can be accurately determined by the referenced method. MRL equals PQL values in the Pace Analytical Reports.
10. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
11. "U" is a laboratory data qualifier used for parameters not detected at concentrations above MDL.
12. "J" is a laboratory data qualifier used for parameters detected at estimated concentrations above MDL but below MRL and SWSL.
    An italicized "J" qualifier is assigned by Altamont to reflect a detected concentration that is greater than MRL and MDL but less than the SWSL.
13. "2L" and "IMAC" (Interim Maximum Allowable Concentration) are groundwater standards from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (Amended April 1, 2013).
14. "GWPS" is the Groundwater Protection Standard pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://portal.ncdenr.org/web/sw/envmonitoringlist (last updated June 13, 2011).
15. "2B" indicates surface water standard per "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2B - Surface Water and Wetland Standards," (last amended on May 1, 2007). Where no 2B standard exists, the National Criteria per Environmental Protection Agency (EPA) from standards Table (Current as of May 15, 2013) for the most stringent of fresh water and human health was used.
16. **Bold** numbers indicate any detection. Grayed cell indicates result in exceedance of the 2L or IMAC standard or greater than or equal to the GWPS (if no 2L or IMAC exist), and 2B standard if applicable.
17. "NA" means Not Analyzed. "NE" indicates Not Established.

Table 3
Solid Waste Section Limits Exceedances Notifications
Jackson County Closed Municipal Solid Waste Landfill, Jackson County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE
50-02	5002-MW01	7440-39-3	15	Barium	122	ug/L		EPA 6010	2.5	5	100	1	10/23/2014
50-02	5002-MW01	7440-43-9	34	Cadmium	4.0	ug/L		EPA 6010	0.5	1	1	1	10/23/2014
50-02	5002-MW01	7440-48-4	53	Cobalt	177	ug/L		EPA 6010	2.5	5	10	1	10/23/2014
50-02	5002-MW01	7440-50-8	54	Copper	12.2	ug/L		EPA 6010	2.5	5	10	1	10/23/2014
50-02	5002-MW01	7440-66-6	213	Zinc	68.9	ug/L		EPA 6010	5	10	10	1	10/23/2014
50-02	5002-MW01	106-46-7	71	1,4-Dichlorobenzene	12.8	ug/L		EPA 8260	0.33	1	1	1	10/23/2014
50-02	5002-MW01	71-43-2	16	Benzene	2.4	ug/L		EPA 8260	0.25	1	1	1	10/23/2014
50-02	5002-MW01	108-90-7	39	Chlorobenzene	4.1	ug/L		EPA 8260	0.23	1	3	1	10/23/2014
50-02	5002-MW01	156-59-2	78	cis-1,2-Dichloroethene	7.9	ug/L		EPA 8260	0.19	1	5	1	10/23/2014
50-02	5002-MW01	1330-20-7	346	Xylene (Total)	7.7	ug/L		EPA 8260	0.66	2	5	1	10/23/2014
50-02	5002-MW02	7440-48-4	53	Cobalt	36.2	ug/L		EPA 6010	2.5	5	10	1	10/23/2014
50-02	5002-MW02	106-46-7	71	1,4-Dichlorobenzene	1.6	ug/L	J	EPA 8270	0.81	10	1	1	10/23/2014
50-02	5002-MW03	7440-39-3	15	Barium	142	ug/L		EPA 6010	2.5	5	100	1	10/22/2014
50-02	5002-MW03	7440-48-4	53	Cobalt	49	ug/L		EPA 6010	2.5	5	10	1	10/22/2014
50-02	5002-MW03	106-46-7	71	1,4-Dichlorobenzene	10.2	ug/L		EPA 8260	0.33	1	1	1	10/22/2014
50-02	5002-MW03	71-43-2	16	Benzene	1.2	ug/L		EPA 8260	0.25	1	1	1	10/22/2014
50-02	5002-MW03	108-90-7	39	Chlorobenzene	11.3	ug/L		EPA 8260	0.23	1	3	1	10/22/2014
50-02	5002-MW03	106-46-7	71	1,4-Dichlorobenzene	5.3	ug/L	J	EPA 8270	0.81	10	1	1	10/22/2014
50-02	5002-MW04	7439-97-6	132	Mercury	0.36	ug/L		EPA 7470	0.1	0.2	0.2	1	10/22/2014
50-02	5002-MW04	106-46-7	71	1,4-Dichlorobenzene	4.3	ug/L		EPA 8260	0.33	1	1	1	10/22/2014
50-02	5002-MW04	108-90-7	39	Chlorobenzene	3.4	ug/L		EPA 8260	0.23	1	3	1	10/22/2014
50-02	5002-MW05R	106-46-7	71	1,4-Dichlorobenzene	3.0	ug/L		EPA 8260	0.33	1	1	1	10/23/2014
50-02	5002-MW05R	71-43-2	16	Benzene	1.5	ug/L		EPA 8260	0.25	1	1	1	10/23/2014
50-02	5002-MW05R	108-90-7	39	Chlorobenzene	5.3	ug/L		EPA 8260	0.23	1	3	1	10/23/2014
50-02	5002-MW05R	75-01-4	211	Vinyl chloride	2.9	ug/L		EPA 8260	0.62	1	1	1	10/23/2014
50-02	5002-MW05R	106-46-7	71	1,4-Dichlorobenzene	3.0	ug/L	J	EPA 8270	0.81	10	1	1	10/23/2014
50-02	5002-MW06	7440-48-4	53	Cobalt	80.8	ug/L		EPA 6010	2.5	5	10	1	10/22/2014
50-02	5002-MW06	7440-66-6	213	Zinc	13	ug/L		EPA 6010	5	10	10	1	10/22/2014
50-02	5002-MW06	106-46-7	71	1,4-Dichlorobenzene	9.8	ug/L		EPA 8260	0.33	1	1	1	10/22/2014
50-02	5002-MW06	71-43-2	16	Benzene	2.7	ug/L		EPA 8260	0.25	1	1	1	10/22/2014
50-02	5002-MW06	108-90-7	39	Chlorobenzene	3.1	ug/L		EPA 8260	0.23	1	3	1	10/22/2014
50-02	5002-MW06	156-59-2	78	cis-1,2-Dichloroethene	8.9	ug/L		EPA 8260	0.19	1	5	1	10/22/2014

Table 3
Solid Waste Section Limits Exceedances Notifications
Jackson County Closed Municipal Solid Waste Landfill, Jackson County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	COLLECT DATE
50-02	5002-MW07	106-46-7	71	1,4-Dichlorobenzene	5.7	ug/L		EPA 8260	0.33	1	1	1	10/23/2014
50-02	5002-MW07	71-43-2	16	Benzene	1.1	ug/L		EPA 8260	0.25	1	1	1	10/23/2014
50-02	5002-MW07	108-90-7	39	Chlorobenzene	5.7	ug/L		EPA 8260	0.23	1	3	1	10/23/2014
50-02	5002-MW07	156-59-2	78	cis-1,2-Dichloroethene	5.4	ug/L		EPA 8260	0.19	1	5	1	10/23/2014
50-02	5002-MW07	106-46-7	71	1,4-Dichlorobenzene	2.8	ug/L	J	EPA 8270	0.81	10	1	1	10/23/2014
50-02	5002-MW07	1330-20-7	346	Xylene (Total)	0.66	ug/L	U	EPA 8260	0.66	2	5	1	10/23/2014
50-02	5002-LT01	106-46-7	71	1,4-Dichlorobenzene	5.3	ug/L		EPA 8260	0.33	1	1	1	10/23/2014
50-02	5002-LT01	71-43-2	16	Benzene	1.4	ug/L		EPA 8260	0.25	1	1	1	10/23/2014
50-02	5002-LT01	108-90-7	39	Chlorobenzene	3.0	ug/L		EPA 8260	0.23	1	3	1	10/23/2014
50-02	5002-LT01	100-41-4	110	Ethylbenzene	2.7	ug/L		EPA 8260	0.3	1	1	1	10/23/2014

Notes:

1. "CAS NUMBER" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters.
2. "SWS ID" is the Solid Waste Section Identification Number.
3. "RESULT" is the analytical data reported by the laboratory.
4. "UNITS" are micrograms per liter (µg/L) for analytical results.
5. "METHOD" is the analytical method used to analyze the constituents.
6. "MDL" is the method detection limit, which is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
7. "MRL" is the method reporting limit, which is the minimum concentration of a target analyte that can be accurately determined by the referenced method.
8. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
9. "COLLECT DATE" is the date on which the sample was collected in the field.
10. Grayed cells indicate result in exceedance of the 2L or Interim Maximum Allowable Concentration (IMAC) standards or greater than or equal to the Groundwater Protection Standard (GWPS [if no 2L or IMAC exist]).
11. 2L Standard and IMAC are from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (Amended April 1, 2013).

Table 4
Water Quality Standards Exceedances Notifications
Jackson County Closed Municipal Solid Waste Landfill, Jackson County, North Carolina

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	METHOD	MDL	MRL	SWSL	DILUTION FACTOR	GROUNDWATER QUALITY STANDARD	COLLECT DATE	CAUSE AND SIGNIFICANCE
50-02	5002-MW01	7440-43-9	34	Cadmium	4.0	ug/L		EPA 6010	0.5	1	1	1	1	10/23/2014	Possibly naturally occuring. Turbidity of sample 41.01 NTU.
50-02	5002-MW01	7440-48-4	53	Cobalt	177	ug/L		EPA 6010	2.5	5	10	1	1	10/23/2014	Possibly naturally occuring. Turbidity of sample 41.01 NTU.
50-02	5002-MW01	7440-62-2	209	Vanadium	5	ug/L	J	EPA 6010	2.5	5	25	1	0.3	10/23/2014	Anthropogenic
50-02	5002-MW01	106-46-7	71	1,4-Dichlorobenzene	12.8	ug/L		EPA 8260	0.33	1	1	1	1	10/23/2014	Anthropogenic
50-02	5002-MW01	71-43-2	16	Benzene	2.4	ug/L		EPA 8260	0.25	1	1	1	50	10/23/2014	Consistant with historic measurements.
50-02	5002-MW01	SW320	320	pH	5.91	SU					NE		6.5-8.5	10/23/2014	Consistant with historic measurements.
50-02	5002-MW02	7440-48-4	53	Cobalt	36.2	ug/L		EPA 6010	2.5	5	10	1	1	10/23/2014	Possibly naturally occuring.
50-02	5002-MW02	SW320	320	pH	5.51	SU					NE		6.5-8.5	10/23/2014	Consistant with historic measurements. Turbidity of sample 4.58 NTU.
50-02	5002-MW03	71-43-2	16	Benzene	1.2	ug/L		EPA 8260	0.25	1	1	1	2/19/1900	10/22/2014	Anthropogenic
50-02	5002-MW03	7440-48-4	53	Cobalt	49	ug/L		EPA 6010	2.5	5	10	1	1	10/22/2014	Possibly naturally occuring. Consistant with historical measurements.
50-02	5002-MW03	106-46-7	71	1,4-Dichlorobenzene	10.2	ug/L		EPA 8260	0.33	1	1	1	1	10/22/2014	Anthropogenic
50-02	5002-MW03	SW320	320	pH	5.39	SU					NE		6.5-8.5	10/22/2014	Consistant with historic measurements.
50-02	5002-MW04	7440-36-0	13	Antimony	4.8	ug/L	J	EPA 6010	3.8	5	6	1	1	10/22/2014	Inconsistant with historic measurements. Will be resampled in spring 2015.
50-02	5002-MW04	SW320	320	pH	5.42	SU					NE		6.5-8.5	10/22/2014	Consistant with historic measurements. Turbidity of sample 4.58 NTU.
50-02	5002-MW05R	7440-48-4	53	Cobalt	9.7	ug/L	J	EPA 6010	2.5	5	10	1	1	10/23/2014	Possibly naturally occuring. Turbidity of sample 221.3 NTU.
50-02	5002-MW05R	71-43-2	16	Benzene	1.5	ug/L		EPA 8260	0.25	1	1	1	50	10/23/2014	Anthropogenic
50-02	5002-MW05R	75-01-4	211	Vinyl chloride	2.9	ug/L		EPA 8260	0.62	1	1	2	0.03	10/23/2014	Anthropogenic
50-02	5002-MW06	7440-48-4	53	Cobalt	80.8	ug/L		EPA 6010	2.5	5	10	1	1	10/23/2014	Possibly naturally occuring. Consistant with historical measurements.
50-02	5002-MW06	106-46-7	71	1,4-Dichlorobenzene	9.8	ug/L		EPA 8260	0.33	1	1	1	1	10/22/2014	Anthropogenic
50-02	5002-MW06	71-43-2	16	Benzene	2.7	ug/L		EPA 8260	0.25	1	1	1	50	10/22/2014	Anthropogenic
50-02	5002-MW06	SW320	320	pH	4.91	SU					NE		6.5-8.5	10/22/2014	Consistant with historic measurements.
50-02	5002-MW07	71-43-2	16	Benzene	1.1	ug/L		EPA 8260	0.25	1	1	1	50	10/23/2014	Anthropogenic
50-02	5002-MW07	SW320	320	pH	5.93	SU					NE		6.5-8.5	10/23/2014	Consistant with historic measurements.

Notes:

1. "CAS NUMBER" is a unique number assigned by the Chemical Abstracts Service (CAS) to all identified parameters.
2. "SWS ID" is the Solid Waste Section Identification Number.
3. "RESULT" is analytical data reported by the laboratory or field data collected by Altamont.
4. "UNITS" are micrograms per liter (µg/L) and milligrams per liter (mg/L) for analytical results and Standard Units (SU) for pH.
5. "QUALIFIER" is a data qualifier or "flag". A blank cell indicates that there is no qualifier associated with the reported result.
6. "METHOD" is the analytical method used to analyze the constituents.
7. "MDL" is the method detection limit, which is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
8. "MRL" is the method reporting limit, which is the minimum concentration of a target analyte that can be accurately determined by the referenced method.
9. "SWSL" is the Solid Waste Section Limit. This limit (identified by DENR) is the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.
10. "GROUNDWATER QUALITY STANDARD" refers to the 2L Standard, Interim Maximum Allowable Concentration (IMAC), or Groundwater Protection Standard (GWPS) for groundwater.
11. "COLLECT DATE" is the date on which the sample was collected in the field.
12. "NE" means Not Established.
13. 2L Standard and IMAC are from "North Carolina Administrative Code, Title 15A: Department of Environment and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," DENR (Amended April 1, 2013). The IMAC concentrations listed in Appendix #1 of the 2L rule.
14. GWPS is pursuant to "15A NCAC 13B .1634," DENR. Current standards were obtained from http://portal.ncdenr.org/web/sw/envmonitoringlist (last updated June 13, 2011).

Table 5
Well Construction Details and Corresponding Elevations
Jackson County Closed Municipal Solid Waste Landfill, Jackson County, North Carolina

Facility Permit	Well ID	Date Drilled	Ground Surface Elevation	TOC Elevation	Stick Up	Total Well Depth	Depth To Water	Groundwater Elevation	Approx. Depth to Bedrock	Approx. Top of Bedrock Elevation	Depth to Top of Screened Interval	Depth to Bottom of Screened Interval	Top Elevation of Screened Interval	Elevation of Bottom of Screened Interval	Geology of Screened Interval	Source of Well Construction Information
		(mm/dd/yyyy)	(feet)	(feet)	(feet above gs)	(feet bgs)	(feet below TOC)	(feet)	(feet bgs)	(feet)	(feet bgs)	(feet bgs)	(feet)	(feet)		
50-02	MW-01	04/23/1992	2,169.40	2,171.42	2.0	110.5	98.51	2,072.91	83.0	2,086.40	95.0	110.0	2,074.40	2,059.40	bedrock	S&ME, Inc.
50-02	MW-02	04/22/1992	2,013.15	2,015.38	2.3	63.0	39.14	1,976.24	13.0	2,000.15	45.0	60.0	1,968.15	1,953.15	bedrock	S&ME, Inc.
50-02	MW-03	04/21/1992	2,044.16	2,045.53	1.3	65.5	51.59	1,993.94	57.0	1,987.16	48.5	63.5	1,995.66	1,980.66	partially weathered bedrock	S&ME, Inc.
50-02	MW-04	04/21/1992	1,978.68	1,980.77	2.0	43.0	27.42	1,953.35	NA	NA	25.0	40.0	1,953.68	1,938.68	saprolite	S&ME, Inc.
50-02	MW-05R	01/26/2012	2,027.98	2,030.95	2.8	54.0	48.58	1,982.37	NA	NA	44.0	54.0	1,983.98	1,973.98	saprolite	Altamont Environmental, Inc.
50-02	MW-06	03/23/2004	2,136.58	2,139.57	3.0	94.0	83.51	2,056.06	47.6	2,088.98	84.6	94.6	2,051.98	2,041.98	bedrock	Altamont Environmental, Inc.
50-02	MW-07	07/30/2010	1,978.71	1,981.29	2.6	95.0	32.25	1,949.04	44.0	1,935.00	70.0	95.0	1,908.71	1,883.71	bedrock	

Notes:

1. Elevations associated with wells MW-01, MW-02, MW-03, MW-04, and MW-06 are measured relative to mean sea level (msl) and are based on surveying completed by Davenport & Associates, Inc..
2. Elevations associated with wells MW-05R and MW-07 are measured relative to horizontal North American Datum (NAD) 83 and are based on surveying completed by Wes Cole Land Surveying, P.A..
3. "TOC" means Top of Casing.
4. "bgs" means below ground surface.
5. "NA" means Not Applicable.
6. MW-01 through MW-04 Depth to Bedrock and Screened Interval taken from S&ME boring logs completed April 21, 22, and 23, 1992.
7. MW-06 Depth to Bedrock and Screened Interval taken from Altamont boring log completed March 23, 2004.
8. MW-07 Depth to Bedrock and Screened Interval taken from Altamont boring log completed July 30, 2010.
9. MW-05R Screened Interval taken from Altamont boring log completed January 26, 2012.
10. Depth to water measured on October 22 and 23, 2014.
10. Monitoring well MW-05 was abandoned on January 26, 2012 by NYEG Drilling, LLC..
11. Monitoring well MW-05R was installed on January 26, 2012 as a replacement to the well MW-05 by NYEG Drilling, LLC.
12. The well MW-5R was surveyed by Wes Cole Land Surveying, P.A. on September 28, 2012.

Table 6
Mass Removal Calculation for VolatileOrganic Compounds (VOCs) Detected in the Leachate Sample
Jackson County Closed Municipal Solid Waste Landfill, Jackosn County, North Carolina

Sample Dates		Detected Volatile Organic Compounds	Concentration in LT-01		Cumulative Flow	Differential Flow	Mass Removed	Cumulative Mass Removed
Beginning	Ending		(mg/L)		(gallons)	(gallons)	(pounds)	(pounds)
09/01/2012	10/25/2012	1,4-Dichlorobenzene	0.0034		11,500	11,500	0.00033	
		4-Methyl-2-pentanone (MIBK)	0.0021	J			0.00020	
		Acetone	0.0292				0.00280	
		Benzene	0.0021				0.00020	
		Chlorobenzene	0.0029				0.00028	
		cis-1,2-Dichloroethene	0.00063	J			0.00006	
		Dichlorodifluoromethane	0.00093	J			0.00009	
		Ethylbenzene	0.0102				0.00098	
		Naphthalene	0.0069				0.00066	
		Styrene	0.00033	J			0.00003	
		Toluene	0.003				0.00029	
		Xylene (Total)	0.0094				0.00090	
						Total	0.00682	0.00682
10/26/2012	04/11/2013	1,4-Dichlorobenzene	0.006		65,500	54,000	0.00270	
		Acetone	0.012	J			0.00540	
		Benzene	0.0011				0.00049	
		Carbon disulfide	0.0067	J			0.00301	
		Chlorobenzene	0.0024	J			0.00108	
		cis-1,2-Dichloroethene	0.00058	J			0.00026	
		Ethylbenzene	0.0083				0.00373	
		Toluene	0.00059	J			0.00027	
		Xylene (Total)	0.0078				0.00351	
						Total	0.02045	0.02727
04/12/2013	10/08/2013	1,4-Dichlorobenzene	0.0055		114,737	49,237	0.00226	
		4-Methyl-2-pentanone (MIBK)	0.0012	J			0.00049	
		Benzene	0.0020				0.00082	
		Chlorobenzene	0.0039				0.00160	
		cis-1,2-Dichloroethene	0.00080	J			0.00033	
		Ethylbenzene	0.0151				0.00619	
		Naphthalene	0.0184				0.00754	
		Toluene	0.0012				0.00049	
		Xylene (Total)	0.0090				0.00369	
						Total	0.02341	0.05068
10/09/2013	04/08/2014	1,4-Dichlorobenzene	0.0056		168,821	54,084	0.00252	
		Benzene	0.0018				0.00081	
		Chlorobenzene	0.0051				0.00230	
		cis-1,2-Dichloroethene	0.00049	J			0.00022	
		Ethylbenzene	0.0047				0.00212	
		Toluene	0.00041	J			0.00018	
		Xylene (Total)	0.0021	J			0.00095	
						Total	0.00910	0.05068
04/08/2014	10/23/12014	1,4-Dichlorobenzene	0.0053		179,652	10,831	0.00239	
		Benzene	0.0014				0.00063	
		Chlorobenzene	0.003				0.00135	
		cis-1,2-Dichloroethene	0.00049	J			0.00022	
		Ethylbenzene	0.0027				0.00122	
		Toluene	0.00051	J			0.00023	
		Xylene (Total)	0.0014	J			0.00063	
						Total	0.00667	0.06645

Notes:

1. Only detected VOCs in leachate sample LT-01 are included in the mass removal calculation.
2. Leachate extraction at the landfill initiated on September 1, 2012.
3. Extraction volume measurements were recorded and provided by Jackson County staff.
4. Altamont bases mass removal calculations on the assumption that the VOCs concentration in one sampling event is representative of leachate quality until the next sampling event occurs, and that the leachate removal system has a 100% removal and treatment efficiency.
5. The Cumulative Flow is interpolated between LT-01 Sample Dates.
6. The Differential Flow represents the total flow between the LT-01 Sample Dates.
7. Mass Removed and Treated is estimated based upon a conversion of milligrams to pounds and liters to gallons and the multiplication of the Concentration by the Differential Flow for the specified period.
8. mg/L means milligrams per liter.
9. "J" indicates laboratory estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
10. The Differential Flow on = 10/23/2014 was interpolated between 06/25/2014 and 2/16/2015 .

APPENDICES

APPENDIX A

Well Sampling Logs
and
Equipment Documentation &
Instrument Calibration Data Sheet(s)

ALTAMONT ENVIRONMENTAL, INC.
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Equipment Documentation & Instrument Calibration Data Sheet

Project Name: Dillsboro LF GW
Project Number: 2040
Project Location: Dillsboro, NC

Calibration Documentation
Person Conducting Calibration: P. Brodin
Date of Calibration: 10/22/14
Date of Field Measurements: 10/22/14

Equipment Documentation

Equipment or meters used to take measurements (e.g. water level meters, survey equipment, etc.):

Equipment Type	Serial Number	Brand	Date of Use
150-ft Water Level	26154	Solinist	
150-ft Water Level	22754	Solinist	
150-ft Water Level	150	Testwell	
150-ft Drawdown	MP30-1527	QED	10/22/14
Other			

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading		
		0.02 NTU	10.0 NTU	1000 NTU
6/15	200601045	Initial: 0.05	Initial: 9.98	Initial: 995.6
		Cal: 0.02	Cal: 10.0	Cal: 1000
		Time: 804	Time: 803	Time: 801

YSI 556 Multiparameter Meter

Instrument Serial Number	12L101057						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial:	Cal:	mmHg:	Time:			NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 6.90	pHmV:	Cal: 7.02	pHmV:	Time: 734		
pH 4 S.U. *report to 0.1 S.U.*	Initial: 3.99	pHmV:	Cal: 4.00	pHmV:	Time: 739		
pH 10 S.U. *report to 0.1 S.U.*	Initial: 10.06	pHmV:	Cal: 10.02	pHmV:	Time: 750		
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time:	Meas: 6.99	Mid Day Time:	Check:	PM Time:	Check:	
Spec. Cond. 1413/447/84/23 µS/cm**	Initial: 1018	Cal: 1000	Time: 731				
QC* 84 µS/cm	AM Time:	Meas: 998	Mid Day Time:	Check:	PM Time:	Check:	
ORP 240 mV	Initial: 242.8	Cal: 258	Time: 800				10/2/14-mix

1000

258

Comments:
Signature: [signature] Date: 10/22/14

Notes:
1. Electronic equipment calibrated according to the manufacturer's operation manual.
2. Specific Conductivity should be calibrated according to values representative of historic range.
3. Order of Calibration is as follows : Specific Conductivity, pH 7, pH 4, pH 10, ORP, QC checks.
4. QC Acceptable Ranges: pH +/- 0.1 S.U. and Specific Conductivity 10% of the true value. If readings are out of these ranges, meter needs to be recalibrated.
5. * Indicates that a QC check must be performed in the morning, afternoon, and the end of the day, or every four hours.
6. ** Indicates to choose a Specific Conductivity buffer of 1413, 447, 84, or 23 mS which is closest to historical readings from the project location.

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Equipment Documentation & Instrument Calibration Data Sheet

Project Name:	Jackson Co LF GW	*Calibration Documentation* Person Conducting Calibration:	MStamey
Project Number:	2040	Date of Calibration:	10/23/14
Project Location:	Dillsboro NC	Date of Field Measurements:	10/23/14

Equipment Documentation

Equipment or meters used to take measurements (e.g. water level meters, survey equipment, etc.):

Equipment Type	Serial Number	Brand	Date of Use
150-ft Water Level	26154	Solinist	
150-ft Water Level	22754	Solinist	
150-ft Water Level	150	Testwell	
150-ft Drawdown	MP30-1527	QED	
Other			

Micro TPW Turbidity Meter

Calibration Standards Exp Date	Instrument Serial #	Instrument Reading 0.02 NTU	10.0 NTU	1000 NTU
10/15	200601045	Initial: 0.00	Initial: 7.38	Initial: 1026
		Cal: 0.02	Cal: 10.0	Cal: 1000
		Time: 7:28	Time: 7:26	Time: 7:25

YSI 556 Multiparameter Meter

Instrument Serial Number	12L101057						
Instrument Readings							Calibration Expiration Date
Dissolved Oxygen	Initial: 9.86	Cal: 9.47	mmHg: 760.32	Time: 8:05			NA
pH 7 S.U. *report to 0.1 S.U.*	Initial: 6.94	pHmV:	Cal: 7.00	pHmV:	Time: 7:31		3/16
pH 4 S.U. *report to 0.1 S.U.*	Initial: 4.03	pHmV:	Cal: 4.00	pHmV:	Time: 7:35		10/15
pH 10 S.U. *report to 0.1 S.U.*	Initial: 10.01	pHmV:	Cal: 10.00	pHmV:	Time: 7:39		2/16
QC* pH 7 S.U. *report to 0.1 S.U.*	AM Time: 8:07	Meas: 6.99	Mid Day Time:	Check:	PM Time:	Check:	03/16
Spec. Cond. 1413/447/84/23 1000 µS/cm**	Initial: 1003	Cal: 1000	Time: 7:27				8/15
QC* 84 µS/cm	AM Time: 8:15	Meas: 1009	Mid Day Time:	Check:	PM Time:	Check:	~~03/16~~ 8/15
ORP ~~240~~ 258 mV	Initial: 255.4	Cal: 258.1	Time: 9:45				10/14

Comments:

Signature: MStamey Date: 10/23/14

Notes:

1. Electronic equipment calibrated according to the manufacturer's operation manual.
2. Specific Conductivity should be calibrated according to values representative of historic range.
3. Order of Calibration is as follows : Specific Conductivity, pH 7, pH 4, pH 10, ORP, QC checks.
4. QC Acceptable Ranges: pH +/- 0.1 S.U. and Specific Conductivity 10% of the true value. If readings are out of these ranges, meter needs to be recalibrated.
5. * Indicates that a QC check must be performed in the morning, afternoon, and the end of the day, or every four hours.
6. ** Indicates to choose a Specific Conductivity buffer of 1413, 447, 84, or 23 mS which is closest to historical readings from the project location.

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well bottom 112.50

Low-Flow Sampling Log

PROJECT NAME: Jackson Co LF GW Sampling PROJECT NUMBER: 2040
LOCATION: Dillsboro, NC DATE: 10/23/14
SAMPLING PERSONNEL: PBrooks & MStamey WEATHER: 60's Sunny

Well ID:	MW-01	Arrive at Well:	1110
Screen Interval:	95 - 110 bgs	Start Time:	~~1245~~
Depth to Water:	98.51 toc	Sample Time:	~~HS~~ 1245
Stickup:		Finish Sample Time:	1315
Depth of Pump Intake:	107 toc	Leave Well:	1320
Drawdown Set:	toc	Well Diameter:	2"

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1149		14.0	150.0	6.96	5.68	40.4	15.28
	Could not get well to produce water						
1200	called b. grant, he said to bail well dry.						
1205	initial	16.3	272.7	1.79	5.75	44.2	6.84
1215	2.5gal purged	15.9	270.5	0.53	5.57	49.8	28.39
1228	5.0gal purged	16.1	276.4	0.64	5.76	44.6	302.4
1247	7.5gal purged	17.0	277.6	1.20	5.91	41.5	41.01

bailing well
LWC = 13.99
2" pvc (.17)
one casing volume 2.38gal

Time between recharge during sample collection: _____

Sampling Personnel Signature: [signature] Date: 10/23/14

NOTES:

possible obstruction @ 102 TOC

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996 (Rev 2010)

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Jackson Co LF GW Sampling
PROJECT NUMBER: 2040
LOCATION: Dillsboro NC
DATE: 10/22/14 sampled 10/23/14
SAMPLING PERSONNEL: PBrooks + MStarney
WEATHER: 60's sunny

Well ID:	MW-02	Arrive at Well:	1350
Screen Interval:	45-60 bgs	Start Time:	1405
Depth to Water:	39.14 toc	Sample Time:	
Stickup:		Finish Sample Time:	
Depth of Pump Intake:	55 toc	Leave Well:	
Drawdown Set:	toc	Well Diameter:	

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1406	39.34	15.8	222.5	4.68	5.87	184.9	8.06
1409	39.34	16.1	236.3	2.03	5.86	171.5	233.5
1424	well will not recharge under low-flow conditions,						
~~1435~~	per conversation w/ Pukonich decided to bail well.						
1435 (bailed)		15.7	~~552~~ 136.2	5.48	5.89	170.8	27.96
~~1445~~	bailed well dry after 3.5 gal						
1050 (10/23/14)		14.8	229.0	4.20	5.51	176.4	4.58

Time between recharge during sample collection:

Sampling Personnel Signature: MStarney
Date: 10/23/14

NOTES:

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996 (Rev 2010)

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Jackson Co LF GW Sampling PROJECT NUMBER: 2040
LOCATION: Pittsboro, NC DATE: 10/22/14
SAMPLING PERSONNEL: PBrooks + MStamey WEATHER: 60's Sunny

Well ID:	MW-03	Arrive at Well:	1205
Screen Interval:	48.5-63.5 bgs	Start Time:	1215
Depth to Water:	51.59 toc	Sample Time:	1233
Stickup:		Finish Sample Time:	1335
Depth of Pump Intake:	60' toc	Leave Well:	1340
Drawdown Set:	51.89 toc	Well Diameter:	2"

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1215	51.89	16.0	323.8	2.02	5.48	178.9	6.18
1218	51.89	16.0	328.0	1.17	5.46	183.1	4.97
1221	51.89	16.0	322.9	1.22	5.47	184.2	1.79
1224	51.89	15.8	322.5	1.03	5.42	184.1	1.08
1227	51.89	15.7	322.2	0.74	5.39	184.3	0.11
1230	51.89	15.7	322.4	0.77	5.39	184.0	0.00
1233	51.89	15.7	321.9	0.81	5.39	183.6	0.00

Time between recharge during sample collection: 2 sec @ 4 GPM

Sampling Personnel Signature: [signature] Date: 10/22/14

NOTES:
1257 - started microscope
1317 - stopped microscope

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996 (Rev 2010)

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Dillsboro LFGW Sampling
PROJECT NUMBER: 2040
LOCATION: Dillsboro, NC
DATE: 10/22/14
SAMPLING PERSONNEL: P Brooks, M Stoney
WEATHER: 70s clear

Well ID: MW-04
Screen Interval: 25-40 bgs
Depth to Water: 27.42 toc
Stickup:
Depth of Pump Intake: 35' toc
Drawdown Set: toc

Arrive at Well: 1525
Start Time: 1537
Sample Time: 1607
Finish Sample Time: 1657
Leave Well:
Well Diameter: 2"

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1537	26.07	15.3	612.8	1.51	5.35	230.8	3.16
1540	28.12	15.3	603.5	1.12	5.29	235.8	0.00
1543	28.12	15.3	603.3	0.97	5.29	239.1	0.00
1546	28.12	15.2	618	0.75	5.32	248.0	0.00
1549	28.12	15.1	630	0.69	5.36	303.7	0.00
1552	28.12	15.2	633	0.62	5.37	317.9	0.00
1555	28.12	15.1	636	0.62	5.41	344.2	0.06
1558	28.12	15.1	639	0.40	5.41	364.0	0.05
1601	28.12	15.2	639	0.39	5.42	367.0	0.00
1604	28.12	15.2	639	0.39	5.42	373.0	0.00
1607	28.12	15.2	639	0.39	5.42	377.9	0.00

Time between recharge during sample collection: 3 sec @ 4GPM

Sampling Personnel Signature:
Date: 10/22/14

NOTES:
microscope started - 1632
microscope stopped - 1652

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996 (Rev 2010)

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

60

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Well Sampling Log

PROJECT NAME: Jackson Co LF gw sampling
DATE: 10/22/14
PROJECT NUMBER:
WEATHER: 50s sunny
SAMPLING PERSONNEL: P.Brooks & M Stamey
SAMPLE TIME: 945

WELL NUMBER: MW-5R
WELL DIAMETER: 2"
TYPE OF CASING: pvc
MEASURING POINT: 4
FLUSH MOUNT / STICK-UP
COMMENTS: bailed well dry after one well volume

WELL DEPTH IN FEET (WD): 56.60
WATER LEVEL IN FEET (WL): 48.58
LENGTH OF WATER COLUMN: 8.02 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 1.34 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: _____ GALLONS
ACTUAL VOLUME PURGED: _____ GALLONS

WELL CASING VOLUMES (WCV)
1" = 0.041 Gal/Ft 2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	TIME	GALLONS PURGED	TEMP (°C)	SPECIFIC COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1	9:33	initial	15.5	741	0.98	6.30	-67.1	11.42	
2	9:37	~1.3	15.3	754	3.42	6.43	-39.9	431.7	
3									
4	945		17.8	761	3.51	6.48	-42.2	221.3	
5									
6									
7									
8									
9									
10									

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC		
125 mL PLASTIC		
40 mL GLASS		
1 L GLASS		
OTHER		

PROTECTIVE CASING: _____ PAD: _____ LOCK: _____ VEGETATION: _____ ACCESS: _____

Sampling Personnel Signature: M Stamey **Date:** 10/23/14

Notes: °C = degrees Celsius
µS/cm = micro-Siemen per centimeter
mg/L = milligrams per liter
S.U. = Standard Units
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Low-Flow Sampling Log

PROJECT NAME: Jackson Co LF gw sampling PROJECT NUMBER: 2040
LOCATION: Dillsboro DATE: 10/22/14
SAMPLING PERSONNEL: PBrooks MStamey WEATHER: 50's sunny

Well ID:	MW-06	Arrive at Well:	~~1048~~ 948
Screen Interval:	84.6-94.6 bgs	Start Time:	1005
Depth to Water:	83.51 toc	Sample Time:	1029
Stickup:		Finish Sample Time:	1114
Depth of Pump Intake:	92.5 toc	Leave Well:	1120
Drawdown Set:	84.51 toc	Well Diameter:	2"

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1008	83.70	14.9	115.6	1.27	5.05	162.3	5.11
1011	84.32	14.8	110.3	0.99	4.95	162.4	5.92
1014	84.40	14.8	108.2	0.81	4.91	162.1	1.36
1017	84.51	14.7	106.0	0.52	4.89	150.6	0.00
1020	84.51	14.8	106.2	0.40	4.89	149.1	0.00
1023	84.51	14.8	106.5	0.38	4.88	148.6	0.00
1026	84.51	14.8	106.9	0.38	4.90	146.9	0.00
1029	84.51	14.7	107.1	0.38	4.91	146.6	0.00

Time between recharge during sample collection: 2sec @ 4GPM

Sampling Personnel Signature: Date: 10/22/14

NOTES:

start microscops @ 1054

stop + collect sample @ 1114

STABILIZATION

3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996 (Rev 2010)

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Low-Flow Sampling Log

PROJECT NAME: Jackson Co LF GW Sampling
PROJECT NUMBER: 2040
LOCATION: Dillsboro NC
DATE: 10/23/14
SAMPLING PERSONNEL: PBrooks / MStamey
WEATHER: 60's Sunny

Well ID: MW-07
Screen Interval: 70-95 bgs
Depth to Water: 32.25 toc
Stickup:
Depth of Pump Intake: 85 toc
Drawdown Set: 33.25 toc

Arrive at Well: ~~B~~ 1435
Start Time: 1435
Sample Time: 1508
Finish Sample Time:
Leave Well:
Well Diameter: 2"

COMMENTS:

Time	DTW (feet)	Temp (°C)	Specific Cond. (µS)	DO (mg/L)	pH (S.U.) *report to 0.1 S.U.*	ORP (mV)	Turbidity (NTU)
1438	32.55	16.1	595.6	0.85	6.42	157.3	9.13
1441	33.25	15.6	704	0.94	5.88	155.5	22.36
1444	33.25	15.4	705	0.51	5.85	122.4	17.76
1447	33.25	15.5	705	0.49	5.86	115.4	6.10
1450	33.25	15.4	706	0.47	5.89	105.3	4.10
1453	33.25	15.6	704	0.42	5.91	96.4	4.01
1456	33.25	15.5	704	0.51	5.90	92.5	3.00
1459	33.25	15.5	702	0.54	5.94	86.9	2.94
1502	33.25	15.4	698	0.33	5.93	99.6	2.22
1505	33.25	15.5	697	0.34	5.92	99.8	2.34
1508	33.25	15.4	697	0.32	5.93	95.2	2.10

Time between recharge during sample collection: 5sec

Sampling Personnel Signature: MStamey
Date: 10/23/14

NOTES:

microsep started @ 1542
microsep stopped @ 1607

STABILIZATION
3 successive readings, 3 minutes apart:
within +/- 10% DO and turbidity; +/- 3% Conductivity; +/- 0.1 pH unit; +/- 10 mV for ORP
from *EPA - Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures,* April 1996 (Rev 2010)

bgs = below ground surface
toc = top of casing
°C = degrees Celsius
µS = micro-Siemen
DO = dissolved oxygen
mg/L = milligrams per liter
Samples are analyzed immediately upon collection.

S.U. = standard units
ORP = oxidation reduction potential
mV = millivolt
NTU = nephelometric turbidity units

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Surface Water Sampling Log

PROJECT NAME: Jackson Co LF GW Sampling
DATE: 10/22/14
PROJECT NUMBER:
WEATHER: 70's Sunny
SAMPLING PERSONNEL: PBrooks & MStamey

SAMPLE NAME: SW-1

COMMENTS: Sample location taken as indicated on map, between train cars

SAMPLE METHOD: GRAB SYRINGE PUMP BAILER-DISP. OTHER:

TIME	TEMP (°C)	SPECIFIC COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1610	15.0	44.8	10.79	6.11	175.0	2.86	

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC		
125 mL PLASTIC		
40 mL GLASS		
1 L GLASS		
OTHER		

VEGETATION:_____ ACCESS:_____

Sampling Personnel Signature: MStamey Date: 10/22/14

Notes: °C = degrees Celsius
µS/cm = micro-Siemen per cubic centimeter
mg/L = milligrams per liter
S.U. = standard units
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Surface Water Sampling Log

PROJECT NAME: Jackson Co LF GW Sampling
DATE: 10/22/14
PROJECT NUMBER:
WEATHER: 60's Sunny
SAMPLING PERSONNEL: P. Brooks & M Stamey

SAMPLE NAME: ~~1455~~ SW-2

COMMENTS: SW-2 sample location as indicated on map

SAMPLE METHOD: GRAB SYRINGE PUMP BAILER-DISP. OTHER:

TIME	TEMP (°C)	SPECIFIC COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1455	14.9	57.4	8.87	6.11	164.7	0.22	

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC		
125 mL PLASTIC		
40 mL GLASS		
1 L GLASS		
OTHER		

VEGETATION:_____ ACCESS:_____

Sampling Personnel Signature: M Stamey Date: 10/22/14

Notes: °C = degrees Celsius
µS/cm = micro-Siemen per cubic centimeter
mg/L = milligrams per liter
S.U. = standard units
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Sampling Log

PROJECT NAME: Jackson Co LF GW Sampling DATE: 10/23/14
PROJECT NUMBER: 2040 WEATHER: 60's Sunny
SAMPLING PERSONNEL: PBrooks & MStamey

SAMPLE NAME: LT-01

COMMENTS: Leachate Totalizer - 93887

SAMPLE METHOD: GRAB SYRINGE PUMP BAILER-DISP. OTHER:

TIME	TEMP (°C)	SPECIFIC COND. (µS)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
1320	19.3	4140	2.65	6.76	-53.4	6.81	

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC		
125 mL PLASTIC		
40 mL GLASS		
1 L GLASS		
OTHER		

VEGETATION:_____ ACCESS:_____

Sampling Personnel Signature: MStamey Date: 10/23/14

Notes: °C = degrees Celsius
mS = micro-Siemen per cubic centimeter
mg/L = milligrams per liter
S.U. = standard units
mV = millivolt
NTU = nephelometric turbidity units

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Well Sampling Log

PROJECT NAME: Jackson Co LF GW Sampling
DATE: 10/23/14
PROJECT NUMBER: 2040
WEATHER: 60's sunny
SAMPLING PERSONNEL: PBrooks & MStarney
SAMPLE TIME: 1359

WELL NUMBER: DW-01
WELL DIAMETER:
TYPE OF CASING:
MEASURING POINT:
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD):
WATER LEVEL IN FEET (WL):
LENGTH OF WATER COLUMN : FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: GALLONS
ACTUAL VOLUME PURGED: GALLONS

WELL CASING VOLUMES (WCV)
1" = 0.041 Gal/Ft 2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER: spicket
SAMPLE METHOD: BAILER-DISP. BAILER-TEFLON DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	TIME	GALLONS PURGED	TEMP (°C)	SPECIFIC COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS
		initial							
1	1350	~~18.9~~	18.9	98.0	1.24	7.91	207.0	0.60	
2	1353	10	14.9	92.3	1.76	6.94	196.9	0.12	
3	1356	20	14.6	91.0	2.11	6.83	186.8	0.00	
4	1359	30	14.8	89.9	3.73	6.59	177.0	0.00	
5									
6									
7									
8									
9									
10									

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC		
125 mL PLASTIC		
40 mL GLASS		
1 L GLASS		
OTHER		

PROTECTIVE CASING: PAD: LOCK: VEGETATION: ACCESS:

Sampling Personnel Signature: MStarney **Date:** 10/23/14

Notes: °C = degrees Celsius
µS/cm = micro-Siemen per centimeter
mg/L = milligrams per liter
S.U. = Standard Units
mV = millivolt
NTU = nephelometric turbidity units
Samples are analyzed immediately upon collection.

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Sampling Log

PROJECT NAME: Jackson Co LF GWSampling DATE: 10/22/14
PROJECT NUMBER: WEATHER: 60's Sunny
SAMPLING PERSONNEL: PBrooks & MStamey

SAMPLE NAME: DW-02

COMMENTS: Home abandone, no power to well, could not collect sample.

SAMPLE METHOD: GRAB SYRINGE PUMP BAILER-DISP. OTHER:

TIME	TEMP (°C)	SPECIFIC COND. (µS)	DISSOLVED OXYGEN (mg/L)	pH (S.U.) *report to 0.1 S.U.*	OXIDATION REDUCTION POTENTIAL (mV)	TURBIDITY (NTU)	COMMENTS

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
500 mL PLASTIC		
250 mL PLASTIC		
125 mL PLASTIC		
40 mL GLASS		
1 L GLASS		
OTHER		

VEGETATION:_____ ACCESS:_____

Sampling Personnel Signature: MStamey Date: 10/22/14

Notes: °C = degrees Celsius
mS = micro-Siemen per cubic centimeter
mg/L = milligrams per liter
S.U. = standard units
mV = millivolt
NTU = nephelometric turbidity units

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1888602

Section A Required Client Information:

Company:	Altamont Environmental
Address:	231 Howard St
	Pennville NC 28601
Email To:	keanu@altamontenvironmental.com
Phone: 828 281 3350	Fax: 828 281 3350
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	Brian Gant
Copy To:	Evan Yorkovich
Purchase Order No.:	
Project Name:	Jackson Co LF Gw Sampling
Project Number:	2040

Section C Invoice Information:

Attention:	Jo Brewer
Company Name:	Altamont
Address:	Same
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): VOCs by 8260	Metals, Herbicides	8270, PCBs by 8082	Pesticides by 8081	8141 OP Pest	Cyanide, Sulfide	Alkalinity, CO2	COD, BOD, Ferrous Iron	Methane, Ethane, Ethene	Hydrogen	Nitrate Sulfate Chloride	TOC, Volatile Fatty Acids	Residual Chlorine (Y/N): VOCs by 524.4	Pace Project No./ Lab I.D.
1	MW-01	WT	G			10/23/14	1245	12.0	32	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X		X	X		
2	MW-02	WT	G			10/23/14	1630	14.8	32	X	X	X	X	X			X	X	X	X	X	X	X	X	X		X	X			
3	MW-05R	WT	G			10/23/14	945	12.8	32	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X			
4	MW-07	WT	G			10/23/14	1568	15.4	33	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X			
5	LT-01	WT	G			10/23/14	1326	19.3	3				X					X													
6	DW-01	WT	G			10/23/14	1359	14.8	3				X																	X	
7	Trip Blank	WT							2				X					X													
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	M. Stanley	10/24/14	11:04	Kevin Patton	10/24/14	1104	2.1/1.3 2.7/2.0	Y	N	Y

3

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MEGAN STANLEY

SIGNATURE of SAMPLER: M Stanley

DATE Signed (MM/DD/YY): 10/24/14

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1888618

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood St. Asheville NC 28801
Email To: brant@altamontenvironmental.com
Phone: 828 281 3350 Fax: 828 281 3351
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Brian Grant
Copy To: Evan Yurkovich
Purchase Order No.:
Project Name: Jackson Co LF Gw Sampling
Project Number: 2040

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Altamont
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): VOCs by 8260	Metals, Pesticides, 8270	PCBs by 8082, Metals, 8011	8140 or Pesticides	Cyanide, Sulfide	Alkalinity	CO2, COD, BOD	Methane, Ethane, Ethene	Ferrous Iron	Hydrogen	Volatile Fatty Acids	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92222561
1	MW-03	W	G			10/22/14	1233	5.7	33	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		-001
2	MW-04	W	G			10/22/14	1617	5.2	33	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		-002
3	MW-06	W	G			10/22/14	1029	14.7	33	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		-003
4	SW-1	W	G			10/22/14	1610	15.0	15	X		X	X	X			X	X	X	X	X	X							-004
5	SW-2	W	G			10/22/14	1455	14.9	15	X		X	X	X			X	X	X	X	X	X							-005
6	Trip Blank					10/22/14			2				X					X											-006
7																													
8																													
9																													
10																													
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Parker Brooks / Altamont	10/23/14	8055	Joni Patton	10/23/14	0805	4.1/4.7	Y	N	Y
							0.4			
							3.6			
							0.2			

3

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Parker Brooks

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 10/22/14

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

APPENDIX B

Reports of Laboratory Analysis, Chain-of-Custody Documentation, and Certificates of Analysis

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

December 04, 2014

Mr. Brian Gant
Altamont Environmental

,

RE: Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Dear Mr. Gant:
Enclosed are the analytical results for sample(s) received by the laboratory between October 23, 2014 and October 24, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,

Lorri Patton

Lorri Patton
lorri.patton@pacelabs.com
Project Manager

Enclosures

cc: Mr. Evan Yurkovich, Altamont Environmental

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

CERTIFICATIONS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

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CERTIFICATIONS

Project:	Jackson Co LF GW October 2014
Pace Project No.:	92222561

Asheville Certification IDs

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92222561001	**MW-03**	Water	10/22/14 12:33	10/23/14 08:05
92222561002	**MW-04**	Water	10/22/14 16:07	10/23/14 08:05
92222561003	**MW-06**	Water	10/22/14 10:29	10/23/14 08:05
92222561004	**SW-1**	Water	10/22/14 16:10	10/23/14 08:05
92222561005	**SW-2**	Water	10/22/14 14:55	10/23/14 08:05
92222561006	**Trip Blank**	Water	10/22/14 00:00	10/23/14 08:05
92222561007	**MW-01**	Water	10/23/14 12:45	10/24/14 11:04
92222561008	**MW-02**	Water	10/23/14 10:30	10/24/14 11:04
92222561009	**MW-05R**	Water	10/23/14 09:45	10/24/14 11:04
92222561010	**MW-07**	Water	10/23/14 15:08	10/24/14 11:04
92222561011	**LT-01**	Water	10/23/14 13:26	10/24/14 11:04
92222561012	**Trip Blank**	Water	10/23/14 00:00	10/24/14 11:04
92222561013	**DW-01**	Water	10/23/14 13:59	10/24/14 11:04

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SAMPLE ANALYTE COUNT

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92222561001	**MW-03**	RSK 175	JRB	3	PASI-M
		EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	BPJ	146	PASI-C
		EPA 8260	GAW	68	PASI-C
		SM 2320B	MAB	1	PASI-A
		SM 3500-Fe B	SMW	1	PASI-A
		SM 4500-S2D	JTJ	1	PASI-A
		SM 5210B	AC1	1	PASI-A
		EPA 300.0	AES2	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	SER	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	JTJ	1	PASI-A
		SM 5310B	AES2	1	PASI-A
92222561002	**MW-04**	RSK 175	JRB	3	PASI-M
		EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	BPJ	146	PASI-C
		EPA 8260	GAW	68	PASI-C
		SM 2320B	MAB	1	PASI-A
		SM 3500-Fe B	SMW	1	PASI-A
		SM 4500-S2D	JTJ	1	PASI-A
		SM 5210B	SER	1	PASI-A
		EPA 300.0	AES2	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	SER	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	JTJ	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5310B	AES2	1	PASI-A
92222561003	**MW-06**	RSK 175	JRB	3	PASI-M
		EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	BPJ	146	PASI-C
		EPA 8260	GAW	68	PASI-C
		SM 2320B	MAB	1	PASI-A
		SM 3500-Fe B	SMW	1	PASI-A
		SM 4500-S2D	JTJ	1	PASI-A
		SM 5210B	AC1	1	PASI-A
		EPA 300.0	AES2	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	SER	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	JTJ	1	PASI-A
		SM 5310B	AES2	1	PASI-A
92222561004	**SW-1**	EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	BPJ	146	PASI-C
		EPA 8260	GAW	68	PASI-C
		SM 4500-S2D	JTJ	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92222561005	**SW-2**	EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	BPJ	146	PASI-C

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SAMPLE ANALYTE COUNT

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	GAW	68	PASI-C
		SM 4500-S2D	JTJ	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
92222561006	**Trip Blank**	EPA 8260	GAW	68	PASI-C
92222561007	**MW-01**	RSK 175	JRB	3	PASI-M
		EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	146	PASI-C
		EPA 8260	GAW	68	PASI-C
		SM 2320B	MAB	1	PASI-A
		SM 3500-Fe B	SMW	1	PASI-A
		SM 4500-S2D	JTJ	1	PASI-A
		SM 5210B	AC1	1	PASI-A
		EPA 300.0	AES2	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	SER	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	JTJ	1	PASI-A
		SM 5310B	AES2	1	PASI-A
92222561008	**MW-02**	RSK 175	JRB	3	PASI-M
		EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	146	PASI-C
		EPA 8260	GAW	68	PASI-C
		SM 2320B	MAB	1	PASI-A
		SM 3500-Fe B	SMW	1	PASI-A
		SM 4500-S2D	JTJ	1	PASI-A
		SM 5210B	AC1	1	PASI-A
		EPA 300.0	AES2	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	SER	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	JTJ	1	PASI-A
		SM 5310B	AES2	1	PASI-A
92222561009	**MW-05R**	RSK 175	JRB	3	PASI-M
		EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	146	PASI-C
		EPA 8260	GAW	68	PASI-C
		SM 2320B	MAB	1	PASI-A
		SM 3500-Fe B	SMW	1	PASI-A
		SM 4500-S2D	JTJ	1	PASI-A
		SM 5210B	AC1	1	PASI-A
		EPA 300.0	AES2	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	SER	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	JTJ	1	PASI-A
		SM 5310B	AES2	1	PASI-A
92222561010	**MW-07**	RSK 175	JRB	3	PASI-M
		EPA 8081	RES	24	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8141	WFH	7	PASI-O
		EPA 8151	LJM	6	PASI-O
		EPA 6010	JMW	16	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	BPJ	146	PASI-C
		EPA 8260	GAW	68	PASI-C
		SM 2320B	MAB	1	PASI-A
		SM 3500-Fe B	SMW	1	PASI-A
		SM 4500-S2D	JTJ	1	PASI-A
		SM 5210B	AC1	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 300.0	AES2	1	PASI-A
		EPA 353.2	DMN	1	PASI-A
		SM 4500-Cl-E	SER	1	PASI-A
		SM 4500-CN-E	JDA	1	PASI-A
		SM 5220D	JTJ	1	PASI-A
		SM 5310B	AES2	1	PASI-A
92222561011	**LT-01**	EPA 8260	GAW	68	PASI-C
92222561012	**Trip Blank**	EPA 8260	GAW	68	PASI-C
92222561013	**DW-01**	EPA 524.2	JLR	24	PASI-O

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-03 **Lab ID: 92222561001** Collected: 10/22/14 12:33 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 AIR Headspace	Analytical Method: RSK 175								
Ethane	**<3.1**	ug/L	6.2	3.1	1		10/28/14 19:44	74-84-0	
Ethene	**<3.1**	ug/L	6.2	3.1	1		10/28/14 19:44	74-85-1	
Methane	**9.5**	ug/L	6.6	3.3	1		10/28/14 19:44	74-82-8	
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 19:07	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:07	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 19:07	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 19:07	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 19:07	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	89	%	20-130		1	10/29/14 16:00	10/31/14 19:07	877-09-8	
Decachlorobiphenyl (S)	75	%	20-130		1	10/29/14 16:00	10/31/14 19:07	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 19:12	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 19:12	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 19:12	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 19:12	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 19:12	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 19:12	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 19:12	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	82	%	10-132		1	11/04/14 08:30	11/05/14 19:12	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 15:27	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 15:27	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 15:27	52-85-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-03 **Lab ID: 92222561001** Collected: 10/22/14 12:33 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 15:27	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 15:27	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 15:27	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	77	%	34.2-122		1	10/28/14 11:00	10/29/14 15:27		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/28/14 08:00	10/29/14 00:06	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/28/14 08:00	10/29/14 00:06	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/28/14 08:00	10/29/14 00:06	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/28/14 08:00	10/29/14 00:06	93-76-5	
2,4,5-TP (Silvex)	**0.057J**	ug/L	0.19	0.049	1	10/28/14 08:00	10/29/14 00:06	93-72-1	
Surrogates									
2,4-DCAA (S)	85	%	66-130		1	10/28/14 08:00	10/29/14 00:06	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**<3.8**	ug/L	5.0	3.8	1	10/23/14 16:00	10/24/14 04:23	7440-36-0	
Arsenic	**<2.5**	ug/L	10.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-38-2	
Barium	**142**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:23	7440-41-7	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:23	7440-43-9	
Chromium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-47-3	
Cobalt	**49.0**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-48-4	
Copper	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7439-92-1	
Nickel	**6.4**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:23	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/23/14 16:00	10/24/14 04:23	7440-28-0	
Tin	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-31-5	
Vanadium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:23	7440-62-2	
Zinc	**6.2J**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:23	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	10/24/14 12:25	10/25/14 17:05	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 12:35	83-32-9	
Acenaphthylene	**<0.99**	ug/L	10.0	0.99	1	10/29/14 16:30	11/06/14 12:35	208-96-8	
Acetophenone	**<0.83**	ug/L	10.0	0.83	1	10/29/14 16:30	11/06/14 12:35	98-86-2	
2-Acetylaminofluorene	**<0.31**	ug/L	20.0	0.31	1	10/29/14 16:30	11/06/14 12:35	53-96-3	
4-Aminobiphenyl	**<0.32**	ug/L	10.0	0.32	1	10/29/14 16:30	11/06/14 12:35	92-67-1	
Aniline	**<0.80**	ug/L	10.0	0.80	1	10/29/14 16:30	11/06/14 12:35	62-53-3	
Anthracene	**<0.47**	ug/L	10.0	0.47	1	10/29/14 16:30	11/06/14 12:35	120-12-7	
Aramite	**<0.41**	ug/L	100	0.41	1	10/29/14 16:30	11/06/14 12:35	140-57-8	
Atrazine	**<0.67**	ug/L	20.0	0.67	1	10/29/14 16:30	11/06/14 12:35	1912-24-9	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-03 **Lab ID: 92222561001** Collected: 10/22/14 12:33 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzal chloride	**<1.8**	ug/L	50.0	1.8	1	10/29/14 16:30	11/06/14 12:35	98-87-3	
Benzaldehyde	**<4.7**	ug/L	20.0	4.7	1	10/29/14 16:30	11/06/14 12:35	100-52-7	
Benzidine	**<0.32**	ug/L	50.0	0.32	1	10/29/14 16:30	11/06/14 12:35	92-87-5	
Benzo(a)anthracene	**<0.47**	ug/L	10.0	0.47	1	10/29/14 16:30	11/06/14 12:35	56-55-3	
Benzo(a)pyrene	**<0.57**	ug/L	10.0	0.57	1	10/29/14 16:30	11/06/14 12:35	50-32-8	
Benzo(b)fluoranthene	**<0.44**	ug/L	10.0	0.44	1	10/29/14 16:30	11/06/14 12:35	205-99-2	
Benzo(g,h,i)perylene	**<0.45**	ug/L	10.0	0.45	1	10/29/14 16:30	11/06/14 12:35	191-24-2	
Benzo(k)fluoranthene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 12:35	207-08-9	
Benzoic Acid	**<4.9**	ug/L	50.0	4.9	1	10/29/14 16:30	11/06/14 12:35	65-85-0	
Benzophenone	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 12:35	119-61-9	
Benzyl alcohol	**<2.1**	ug/L	20.0	2.1	1	10/29/14 16:30	11/06/14 12:35	100-51-6	
Biphenyl (Diphenyl)	**<0.94**	ug/L	10.0	0.94	1	10/29/14 16:30	11/06/14 12:35	92-52-4	
4-Bromophenylphenyl ether	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	101-55-3	
Butylbenzylphthalate	**<0.48**	ug/L	10.0	0.48	1	10/29/14 16:30	11/06/14 12:35	85-68-7	
Caprolactam	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 12:35	105-60-2	
Carbazole	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 12:35	86-74-8	
4-Chloro-3-methylphenol	**<2.0**	ug/L	20.0	2.0	1	10/29/14 16:30	11/06/14 12:35	59-50-7	
4-Chloroaniline	**<1.6**	ug/L	20.0	1.6	1	10/29/14 16:30	11/06/14 12:35	106-47-8	
Chlorobenzilate	**<0.40**	ug/L	10.0	0.40	1	10/29/14 16:30	11/06/14 12:35	510-15-6	
bis(2-Chloroethoxy)methane	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 12:35	111-91-1	
bis(2-Chloroethyl) ether	**<0.89**	ug/L	10.0	0.89	1	10/29/14 16:30	11/06/14 12:35	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.86**	ug/L	10.0	0.86	1	10/29/14 16:30	11/06/14 12:35	108-60-1	
2-Chloronaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	95-57-8	
4-Chlorophenylphenyl ether	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 12:35	7005-72-3	
Chrysene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 12:35	218-01-9	
n-Decane	**<0.78**	ug/L	10.0	0.78	1	10/29/14 16:30	11/06/14 12:35	124-18-5	
Diallate	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 12:35	2303-16-4	
Dibenz(a,h)anthracene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 12:35	53-70-3	
Dibenzo(a,e)pyrene	**<0.32**	ug/L	50.0	0.32	1	10/29/14 16:30	11/06/14 12:35	192-65-4	
Dibenzofuran	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.1**	ug/L	75.0	2.1	1	10/29/14 16:30	11/06/14 12:35	126-72-7	
1,2-Dichlorobenzene	**<0.71**	ug/L	10.0	0.71	1	10/29/14 16:30	11/06/14 12:35	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/L	10.0	0.78	1	10/29/14 16:30	11/06/14 12:35	541-73-1	
1,4-Dichlorobenzene	**5.3J**	ug/L	10.0	0.81	1	10/29/14 16:30	11/06/14 12:35	106-46-7	
3,3'-Dichlorobenzidine	**<0.69**	ug/L	20.0	0.69	1	10/29/14 16:30	11/06/14 12:35	91-94-1	
2,4-Dichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 12:35	120-83-2	
2,6-Dichlorophenol	**<1.7**	ug/L	10.0	1.7	1	10/29/14 16:30	11/06/14 12:35	87-65-0	
2,3-Dichloroaniline	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 12:35	99-09-2	
Diethylphthalate	**<0.91**	ug/L	10.0	0.91	1	10/29/14 16:30	11/06/14 12:35	84-66-2	
P-Dimethylaminoazobenzene	**<0.23**	ug/L	5.0	0.23	1	10/29/14 16:30	11/06/14 12:35	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.51**	ug/L	10.0	0.51	1	10/29/14 16:30	11/06/14 12:35	57-97-6	
3,3'-Dimethylbenzidine	**<0.74**	ug/L	10.0	0.74	1	10/29/14 16:30	11/06/14 12:35	119-93-7	
2,4-Dimethylphenol	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 12:35	105-67-9	
a,a-Dimethylphenylethylamine	**<1.5**	ug/L	50.0	1.5	1	10/29/14 16:30	11/06/14 12:35	122-09-8	
Dimethylphthalate	**<0.62**	ug/L	10.0	0.62	1	10/29/14 16:30	11/06/14 12:35	131-11-3	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-03 **Lab ID: 92222561001** Collected: 10/22/14 12:33 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-butylphthalate	**<0.37**	ug/L	10.0	0.37	1	10/29/14 16:30	11/06/14 12:35	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.1**	ug/L	20.0	1.1	1	10/29/14 16:30	11/06/14 12:35	534-52-1	
1,3-Dinitrobenzene	**<0.81**	ug/L	20.0	0.81	1	10/29/14 16:30	11/06/14 12:35	99-65-0	
1,4-Dinitrobenzene	**<0.62**	ug/L	20.0	0.62	1	10/29/14 16:30	11/06/14 12:35	100-25-4	
2,4-Dinitrophenol	**<2.5**	ug/L	50.0	2.5	1	10/29/14 16:30	11/06/14 12:35	51-28-5	
2,4-Dinitrotoluene	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 12:35	121-14-2	
2,6-Dinitrotoluene	**<2.1**	ug/L	10.0	2.1	1	10/29/14 16:30	11/06/14 12:35	606-20-2	
Di-n-octylphthalate	**<0.12**	ug/L	10.0	0.12	1	10/29/14 16:30	11/06/14 12:35	117-84-0	
Dinoseb	**<0.43**	ug/L	20.0	0.43	1	10/29/14 16:30	11/06/14 12:35	88-85-7	
Diphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/29/14 16:30	11/06/14 12:35	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 12:35	101-84-8	
1,2-Diphenylhydrazine	**<0.74**	ug/L	10.0	0.74	1	10/29/14 16:30	11/06/14 12:35	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.49**	ug/L	6.0	0.49	1	10/29/14 16:30	11/06/14 12:35	117-81-7	
Ethyl methanesulfonate	**<1.3**	ug/L	20.0	1.3	1	10/29/14 16:30	11/06/14 12:35	62-50-0	
Fluoranthene	**<0.41**	ug/L	10.0	0.41	1	10/29/14 16:30	11/06/14 12:35	206-44-0	
Fluorene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	86-73-7	
Hexachloro-1,3-butadiene	**<0.90**	ug/L	10.0	0.90	1	10/29/14 16:30	11/06/14 12:35	87-68-3	
Hexachlorobenzene	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 12:35	118-74-1	
Hexachlorocyclopentadiene	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 12:35	77-47-4	
Hexachloroethane	**<0.90**	ug/L	10.0	0.90	1	10/29/14 16:30	11/06/14 12:35	67-72-1	
Hexachlorophene	**<1.9**	ug/L	100	1.9	1	10/29/14 16:30	11/06/14 12:35	70-30-4	
Hexachloropropene	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 12:35	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 12:35	193-39-5	
Isodrin	**<0.75**	ug/L	20.0	0.75	1	10/29/14 16:30	11/06/14 12:35	465-73-6	
Isophorone	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 12:35	78-59-1	
Isosafrole	**<1.2**	ug/L	10.0	1.2	1	10/29/14 16:30	11/06/14 12:35	120-58-1	
Kepone	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 12:35	143-50-0	
Methapyrilene	**<1.3**	ug/L	50.0	1.3	1	10/29/14 16:30	11/06/14 12:35	91-80-5	
3-Methylcholanthrene	**<0.37**	ug/L	10.0	0.37	1	10/29/14 16:30	11/06/14 12:35	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<0.94**	ug/L	50.0	0.94	1	10/29/14 16:30	11/06/14 12:35	101-14-4	
Methyl methanesulfonate	**<1.2**	ug/L	5.0	1.2	1	10/29/14 16:30	11/06/14 12:35	66-27-3	
1-Methylnaphthalene	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 12:35	90-12-0	
2-Methylnaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	91-57-6	
2-Methyl-5-nitroaniline	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	99-55-8	
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35		
1-Naphthalenamine	**<0.54**	ug/L	5.0	0.54	1	10/29/14 16:30	11/06/14 12:35	134-32-7	
2-Naphthalenamine	**<0.87**	ug/L	5.0	0.87	1	10/29/14 16:30	11/06/14 12:35	91-59-8	
Naphthalene	**<0.93**	ug/L	10.0	0.93	1	10/29/14 16:30	11/06/14 12:35	91-20-3	
1,4-Naphthoquinone	**<0.84**	ug/L	5.0	0.84	1	10/29/14 16:30	11/06/14 12:35	130-15-4	
2-Nitroaniline	**<1.5**	ug/L	50.0	1.5	1	10/29/14 16:30	11/06/14 12:35	88-74-4	
3-Nitroaniline	**<1.3**	ug/L	50.0	1.3	1	10/29/14 16:30	11/06/14 12:35	99-09-2	
4-Nitroaniline	**<1.6**	ug/L	20.0	1.6	1	10/29/14 16:30	11/06/14 12:35	100-01-6	
Nitrobenzene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	98-95-3	
2-Nitrophenol	**<0.71**	ug/L	10.0	0.71	1	10/29/14 16:30	11/06/14 12:35	88-75-5	
4-Nitrophenol	**<3.9**	ug/L	50.0	3.9	1	10/29/14 16:30	11/06/14 12:35	100-02-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-03 **Lab ID: 92222561001** Collected: 10/22/14 12:33 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Nitroquinoline-n-oxide	**<1.9**	ug/L	50.0	1.9	1	10/29/14 16:30	11/06/14 12:35	56-57-5	
5-Nitro-o-toluidine	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	99-55-8	
N-Nitrosodiethylamine	**<0.91**	ug/L	20.0	0.91	1	10/29/14 16:30	11/06/14 12:35	55-18-5	
N-Nitrosodimethylamine	**<0.94**	ug/L	10.0	0.94	1	10/29/14 16:30	11/06/14 12:35	62-75-9	
N-Nitroso-di-n-butylamine	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 12:35	924-16-3	
N-Nitroso-di-n-propylamine	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 12:35	621-64-7	
N-Nitrosodiphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/29/14 16:30	11/06/14 12:35	86-30-6	
N-Nitrosomethylethylamine	**<0.61**	ug/L	10.0	0.61	1	10/29/14 16:30	11/06/14 12:35	10595-95-6	
N-Nitrosomorpholine	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 12:35	59-89-2	
N-Nitrosopiperidine	**<1.2**	ug/L	20.0	1.2	1	10/29/14 16:30	11/06/14 12:35	100-75-4	
N-Nitrosopyrrolidine	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 12:35	930-55-2	
n-Octadecane	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 12:35	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 12:35	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.56**	ug/L	10.0	0.56	1	10/29/14 16:30	11/06/14 12:35	108-60-1	
Pentachlorobenzene	**<1.5**	ug/L	10.0	1.5	1	10/29/14 16:30	11/06/14 12:35	608-93-5	
Pentachloroethane	**<1.1**	ug/L	20.0	1.1	1	10/29/14 16:30	11/06/14 12:35	76-01-7	
Pentachloronitrobenzene	**<0.79**	ug/L	20.0	0.79	1	10/29/14 16:30	11/06/14 12:35	82-68-8	
Pentachlorophenol	**<1.2**	ug/L	25.0	1.2	1	10/29/14 16:30	11/06/14 12:35	87-86-5	
Phenacetin	**<0.54**	ug/L	20.0	0.54	1	10/29/14 16:30	11/06/14 12:35	62-44-2	
Phenanthrene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 12:35	85-01-8	
Phenol	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 12:35	108-95-2	
p-Phenylenediamine	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 12:35	106-50-3	
Phthalic anhydride	**<1.2**	ug/L	75.0	1.2	1	10/29/14 16:30	11/06/14 12:35	85-44-9	
2-Picoline	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 12:35	109-06-8	
Pronamide	**<0.58**	ug/L	10.0	0.58	1	10/29/14 16:30	11/06/14 12:35	23950-58-5	
Pyrene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 12:35	129-00-0	
Pyridine	**<0.75**	ug/L	10.0	0.75	1	10/29/14 16:30	11/06/14 12:35	110-86-1	
Safrole	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 12:35	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<0.96**	ug/L	20.0	0.96	1	10/29/14 16:30	11/06/14 12:35	3689-24-5	
Terpineol	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 12:35	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 12:35	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 12:35	58-90-2	
Thionazin	**<0.86**	ug/L	20.0	0.86	1	10/29/14 16:30	11/06/14 12:35	297-97-2	
2,6-Toluene diisocyanate	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 12:35	91-08-7	
O-Toluidine	**<0.72**	ug/L	10.0	0.72	1	10/29/14 16:30	11/06/14 12:35	95-53-4	
1,2,4-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 12:35	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 12:35	95-95-4	
2,4,6-Trichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 12:35	88-06-2	
1,3,5-Trinitrobenzene	**<0.83**	ug/L	10.0	0.83	1	10/29/14 16:30	11/06/14 12:35	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	50	%	21-110		1	10/29/14 16:30	11/06/14 12:35	4165-60-0	
2-Fluorobiphenyl (S)	59	%	27-110		1	10/29/14 16:30	11/06/14 12:35	321-60-8	
Terphenyl-d14 (S)	78	%	31-107		1	10/29/14 16:30	11/06/14 12:35	1718-51-0	
Phenol-d6 (S)	14	%	10-110		1	10/29/14 16:30	11/06/14 12:35	13127-88-3	
2-Fluorophenol (S)	21	%	12-110		1	10/29/14 16:30	11/06/14 12:35	367-12-4	
2,4,6-Tribromophenol (S)	55	%	27-110		1	10/29/14 16:30	11/06/14 12:35	118-79-6	

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Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-03 **Lab ID: 92222561001** Collected: 10/22/14 12:33 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		10/28/14 01:45	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		10/28/14 01:45	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		10/28/14 01:45	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		10/28/14 01:45	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		10/28/14 01:45	107-05-1	
Benzene	**1.2**	ug/L	1.0	0.25	1		10/28/14 01:45	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		10/28/14 01:45	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		10/28/14 01:45	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		10/28/14 01:45	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		10/28/14 01:45	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		10/28/14 01:45	78-93-3	
Carbon disulfide	**1.5J**	ug/L	2.0	1.2	1		10/28/14 01:45	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		10/28/14 01:45	56-23-5	
Chlorobenzene	**11.3**	ug/L	1.0	0.23	1		10/28/14 01:45	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		10/28/14 01:45	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		10/28/14 01:45	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		10/28/14 01:45	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		10/28/14 01:45	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		10/28/14 01:45	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 01:45	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		10/28/14 01:45	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 01:45	74-95-3	
1,2-Dichlorobenzene	**0.47J**	ug/L	1.0	0.30	1		10/28/14 01:45	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		10/28/14 01:45	541-73-1	
1,4-Dichlorobenzene	**10.2**	ug/L	1.0	0.33	1		10/28/14 01:45	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		10/28/14 01:45	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 01:45	75-71-8	
1,1-Dichloroethane	**1.4**	ug/L	1.0	0.32	1		10/28/14 01:45	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		10/28/14 01:45	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		10/28/14 01:45	75-35-4	
cis-1,2-Dichloroethene	**3.3**	ug/L	1.0	0.19	1		10/28/14 01:45	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 01:45	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		10/28/14 01:45	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/28/14 01:45	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		10/28/14 01:45	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 01:45	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/28/14 01:45	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 01:45	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 01:45	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		10/28/14 01:45	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		10/28/14 01:45	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		10/28/14 01:45	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		10/28/14 01:45	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		10/28/14 01:45	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		10/28/14 01:45	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		10/28/14 01:45	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-03 **Lab ID: 92222561001** Collected: 10/22/14 12:33 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		10/28/14 01:45	108-10-1	
Naphthalene	**0.26J**	ug/L	1.0	0.24	1		10/28/14 01:45	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		10/28/14 01:45	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 01:45	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		10/28/14 01:45	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		10/28/14 01:45	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		10/28/14 01:45	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 01:45	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/28/14 01:45	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		10/28/14 01:45	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/28/14 01:45	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/28/14 01:45	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		10/28/14 01:45	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		10/28/14 01:45	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		10/28/14 01:45	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		10/28/14 01:45	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		10/28/14 01:45	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		10/28/14 01:45	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		10/28/14 01:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/28/14 01:45	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		10/28/14 01:45	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		10/28/14 01:45	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**83.7**	mg/L	5.0	1.0	1		10/28/14 21:19		
Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**<0.50**	mg/L	0.50	0.50	1		10/24/14 20:48		H1,N2
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/28/14 15:20	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**<2.0**	mg/L	2.0	2.0	1	10/23/14 18:05	10/28/14 12:47		B2
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.2**	mg/L	2.0	1.0	1		10/28/14 18:45	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**1.7**	mg/L	0.020	0.020	1		10/23/14 21:27		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**42.1**	mg/L	5.0	2.5	5		10/30/14 02:03	16887-00-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-03 **Lab ID: 92222561001** Collected: 10/22/14 12:33 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**0.0033J**	mg/L	0.0050	0.0025	1		11/02/14 12:46	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**27.0**	mg/L	25.0	12.5	1		10/30/14 16:00		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**45.0**	mg/L	1.0	0.50	1		10/30/14 12:28	7440-44-0	M1

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-04 **Lab ID: 92222561002** Collected: 10/22/14 16:07 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 AIR Headspace	Analytical Method: RSK 175								
Ethane	**<3.1**	ug/L	6.2	3.1	1		10/28/14 19:55	74-84-0	
Ethene	**<3.1**	ug/L	6.2	3.1	1		10/28/14 19:55	74-85-1	
Methane	**1420**	ug/L	6.6	3.3	1		10/28/14 19:55	74-82-8	
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 19:24	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:24	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 19:24	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 19:24	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 19:24	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	97	%	20-130		1	10/29/14 16:00	10/31/14 19:24	877-09-8	
Decachlorobiphenyl (S)	80	%	20-130		1	10/29/14 16:00	10/31/14 19:24	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:14	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:14	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:14	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:14	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:14	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:14	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:14	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	90	%	10-132		1	11/04/14 08:30	11/05/14 20:14	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 16:06	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 16:06	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 16:06	52-85-7	

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Asheville, NC 28804
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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-04 **Lab ID: 92222561002** Collected: 10/22/14 16:07 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 16:06	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 16:06	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 16:06	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	84	%	34.2-122		1	10/28/14 11:00	10/29/14 16:06		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/28/14 08:00	10/29/14 01:37	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/28/14 08:00	10/29/14 01:37	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/28/14 08:00	10/29/14 01:37	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/28/14 08:00	10/29/14 01:37	93-76-5	
2,4,5-TP (Silvex)	**<0.049**	ug/L	0.19	0.049	1	10/28/14 08:00	10/29/14 01:37	93-72-1	
Surrogates									
2,4-DCAA (S)	92	%	66-130		1	10/28/14 08:00	10/29/14 01:37	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**4.8J**	ug/L	5.0	3.8	1	10/23/14 16:00	10/24/14 04:26	7440-36-0	
Arsenic	**<2.5**	ug/L	10.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-38-2	
Barium	**83.6**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:26	7440-41-7	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:26	7440-43-9	
Chromium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-47-3	
Cobalt	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-48-4	
Copper	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7439-92-1	
Nickel	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:26	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/23/14 16:00	10/24/14 04:26	7440-28-0	
Tin	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-31-5	
Vanadium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:26	7440-62-2	
Zinc	**<5.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:26	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.36**	ug/L	0.20	0.10	1	10/24/14 12:25	10/25/14 17:08	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:13	83-32-9	
Acenaphthylene	**<0.99**	ug/L	10.0	0.99	1	10/29/14 16:30	11/06/14 13:13	208-96-8	
Acetophenone	**<0.83**	ug/L	10.0	0.83	1	10/29/14 16:30	11/06/14 13:13	98-86-2	
2-Acetylaminofluorene	**<0.31**	ug/L	20.0	0.31	1	10/29/14 16:30	11/06/14 13:13	53-96-3	
4-Aminobiphenyl	**<0.32**	ug/L	10.0	0.32	1	10/29/14 16:30	11/06/14 13:13	92-67-1	
Aniline	**<0.80**	ug/L	10.0	0.80	1	10/29/14 16:30	11/06/14 13:13	62-53-3	
Anthracene	**<0.47**	ug/L	10.0	0.47	1	10/29/14 16:30	11/06/14 13:13	120-12-7	
Aramite	**<0.41**	ug/L	100	0.41	1	10/29/14 16:30	11/06/14 13:13	140-57-8	
Atrazine	**<0.67**	ug/L	20.0	0.67	1	10/29/14 16:30	11/06/14 13:13	1912-24-9	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-04 **Lab ID: 92222561002** Collected: 10/22/14 16:07 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzal chloride	**<1.8**	ug/L	50.0	1.8	1	10/29/14 16:30	11/06/14 13:13	98-87-3	
Benzaldehyde	**<4.7**	ug/L	20.0	4.7	1	10/29/14 16:30	11/06/14 13:13	100-52-7	
Benzidine	**<0.32**	ug/L	50.0	0.32	1	10/29/14 16:30	11/06/14 13:13	92-87-5	
Benzo(a)anthracene	**<0.47**	ug/L	10.0	0.47	1	10/29/14 16:30	11/06/14 13:13	56-55-3	
Benzo(a)pyrene	**<0.57**	ug/L	10.0	0.57	1	10/29/14 16:30	11/06/14 13:13	50-32-8	
Benzo(b)fluoranthene	**<0.44**	ug/L	10.0	0.44	1	10/29/14 16:30	11/06/14 13:13	205-99-2	
Benzo(g,h,i)perylene	**<0.45**	ug/L	10.0	0.45	1	10/29/14 16:30	11/06/14 13:13	191-24-2	
Benzo(k)fluoranthene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 13:13	207-08-9	
Benzoic Acid	**<4.9**	ug/L	50.0	4.9	1	10/29/14 16:30	11/06/14 13:13	65-85-0	
Benzophenone	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 13:13	119-61-9	
Benzyl alcohol	**<2.1**	ug/L	20.0	2.1	1	10/29/14 16:30	11/06/14 13:13	100-51-6	
Biphenyl (Diphenyl)	**<0.94**	ug/L	10.0	0.94	1	10/29/14 16:30	11/06/14 13:13	92-52-4	
4-Bromophenylphenyl ether	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	101-55-3	
Butylbenzylphthalate	**<0.48**	ug/L	10.0	0.48	1	10/29/14 16:30	11/06/14 13:13	85-68-7	
Caprolactam	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:13	105-60-2	
Carbazole	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 13:13	86-74-8	
4-Chloro-3-methylphenol	**<2.0**	ug/L	20.0	2.0	1	10/29/14 16:30	11/06/14 13:13	59-50-7	
4-Chloroaniline	**<1.6**	ug/L	20.0	1.6	1	10/29/14 16:30	11/06/14 13:13	106-47-8	
Chlorobenzilate	**<0.40**	ug/L	10.0	0.40	1	10/29/14 16:30	11/06/14 13:13	510-15-6	
bis(2-Chloroethoxy)methane	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:13	111-91-1	
bis(2-Chloroethyl) ether	**<0.89**	ug/L	10.0	0.89	1	10/29/14 16:30	11/06/14 13:13	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.86**	ug/L	10.0	0.86	1	10/29/14 16:30	11/06/14 13:13	108-60-1	
2-Chloronaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	95-57-8	
4-Chlorophenylphenyl ether	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:13	7005-72-3	
Chrysene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 13:13	218-01-9	
n-Decane	**<0.78**	ug/L	10.0	0.78	1	10/29/14 16:30	11/06/14 13:13	124-18-5	
Diallate	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 13:13	2303-16-4	
Dibenz(a,h)anthracene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 13:13	53-70-3	
Dibenzo(a,e)pyrene	**<0.32**	ug/L	50.0	0.32	1	10/29/14 16:30	11/06/14 13:13	192-65-4	
Dibenzofuran	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.1**	ug/L	75.0	2.1	1	10/29/14 16:30	11/06/14 13:13	126-72-7	
1,2-Dichlorobenzene	**<0.71**	ug/L	10.0	0.71	1	10/29/14 16:30	11/06/14 13:13	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/L	10.0	0.78	1	10/29/14 16:30	11/06/14 13:13	541-73-1	
1,4-Dichlorobenzene	**<0.81**	ug/L	10.0	0.81	1	10/29/14 16:30	11/06/14 13:13	106-46-7	
3,3'-Dichlorobenzidine	**<0.69**	ug/L	20.0	0.69	1	10/29/14 16:30	11/06/14 13:13	91-94-1	
2,4-Dichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 13:13	120-83-2	
2,6-Dichlorophenol	**<1.7**	ug/L	10.0	1.7	1	10/29/14 16:30	11/06/14 13:13	87-65-0	
2,3-Dichloroaniline	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:13	99-09-2	
Diethylphthalate	**<0.91**	ug/L	10.0	0.91	1	10/29/14 16:30	11/06/14 13:13	84-66-2	
P-Dimethylaminoazobenzene	**<0.23**	ug/L	5.0	0.23	1	10/29/14 16:30	11/06/14 13:13	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.51**	ug/L	10.0	0.51	1	10/29/14 16:30	11/06/14 13:13	57-97-6	
3,3'-Dimethylbenzidine	**<0.74**	ug/L	10.0	0.74	1	10/29/14 16:30	11/06/14 13:13	119-93-7	
2,4-Dimethylphenol	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 13:13	105-67-9	
a,a-Dimethylphenylethylamine	**<1.5**	ug/L	50.0	1.5	1	10/29/14 16:30	11/06/14 13:13	122-09-8	
Dimethylphthalate	**<0.62**	ug/L	10.0	0.62	1	10/29/14 16:30	11/06/14 13:13	131-11-3	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-04 **Lab ID: 92222561002** Collected: 10/22/14 16:07 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-butylphthalate	**<0.37**	ug/L	10.0	0.37	1	10/29/14 16:30	11/06/14 13:13	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.1**	ug/L	20.0	1.1	1	10/29/14 16:30	11/06/14 13:13	534-52-1	
1,3-Dinitrobenzene	**<0.81**	ug/L	20.0	0.81	1	10/29/14 16:30	11/06/14 13:13	99-65-0	
1,4-Dinitrobenzene	**<0.62**	ug/L	20.0	0.62	1	10/29/14 16:30	11/06/14 13:13	100-25-4	
2,4-Dinitrophenol	**<2.5**	ug/L	50.0	2.5	1	10/29/14 16:30	11/06/14 13:13	51-28-5	
2,4-Dinitrotoluene	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 13:13	121-14-2	
2,6-Dinitrotoluene	**<2.1**	ug/L	10.0	2.1	1	10/29/14 16:30	11/06/14 13:13	606-20-2	
Di-n-octylphthalate	**<0.12**	ug/L	10.0	0.12	1	10/29/14 16:30	11/06/14 13:13	117-84-0	
Dinoseb	**<0.43**	ug/L	20.0	0.43	1	10/29/14 16:30	11/06/14 13:13	88-85-7	
Diphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/29/14 16:30	11/06/14 13:13	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:13	101-84-8	
1,2-Diphenylhydrazine	**<0.74**	ug/L	10.0	0.74	1	10/29/14 16:30	11/06/14 13:13	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.49**	ug/L	6.0	0.49	1	10/29/14 16:30	11/06/14 13:13	117-81-7	
Ethyl methanesulfonate	**<1.3**	ug/L	20.0	1.3	1	10/29/14 16:30	11/06/14 13:13	62-50-0	
Fluoranthene	**<0.41**	ug/L	10.0	0.41	1	10/29/14 16:30	11/06/14 13:13	206-44-0	
Fluorene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	86-73-7	
Hexachloro-1,3-butadiene	**<0.90**	ug/L	10.0	0.90	1	10/29/14 16:30	11/06/14 13:13	87-68-3	
Hexachlorobenzene	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 13:13	118-74-1	
Hexachlorocyclopentadiene	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:13	77-47-4	
Hexachloroethane	**<0.90**	ug/L	10.0	0.90	1	10/29/14 16:30	11/06/14 13:13	67-72-1	
Hexachlorophene	**<1.9**	ug/L	100	1.9	1	10/29/14 16:30	11/06/14 13:13	70-30-4	
Hexachloropropene	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:13	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 13:13	193-39-5	
Isodrin	**<0.75**	ug/L	20.0	0.75	1	10/29/14 16:30	11/06/14 13:13	465-73-6	
Isophorone	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 13:13	78-59-1	
Isosafrole	**<1.2**	ug/L	10.0	1.2	1	10/29/14 16:30	11/06/14 13:13	120-58-1	
Kepone	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 13:13	143-50-0	
Methapyrilene	**<1.3**	ug/L	50.0	1.3	1	10/29/14 16:30	11/06/14 13:13	91-80-5	
3-Methylcholanthrene	**<0.37**	ug/L	10.0	0.37	1	10/29/14 16:30	11/06/14 13:13	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<0.94**	ug/L	50.0	0.94	1	10/29/14 16:30	11/06/14 13:13	101-14-4	
Methyl methanesulfonate	**<1.2**	ug/L	5.0	1.2	1	10/29/14 16:30	11/06/14 13:13	66-27-3	
1-Methylnaphthalene	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 13:13	90-12-0	
2-Methylnaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	91-57-6	
2-Methyl-5-nitroaniline	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	99-55-8	
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13		
1-Naphthalenamine	**<0.54**	ug/L	5.0	0.54	1	10/29/14 16:30	11/06/14 13:13	134-32-7	
2-Naphthalenamine	**<0.87**	ug/L	5.0	0.87	1	10/29/14 16:30	11/06/14 13:13	91-59-8	
Naphthalene	**<0.93**	ug/L	10.0	0.93	1	10/29/14 16:30	11/06/14 13:13	91-20-3	
1,4-Naphthoquinone	**<0.84**	ug/L	5.0	0.84	1	10/29/14 16:30	11/06/14 13:13	130-15-4	
2-Nitroaniline	**<1.5**	ug/L	50.0	1.5	1	10/29/14 16:30	11/06/14 13:13	88-74-4	
3-Nitroaniline	**<1.3**	ug/L	50.0	1.3	1	10/29/14 16:30	11/06/14 13:13	99-09-2	
4-Nitroaniline	**<1.6**	ug/L	20.0	1.6	1	10/29/14 16:30	11/06/14 13:13	100-01-6	
Nitrobenzene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	98-95-3	
2-Nitrophenol	**<0.71**	ug/L	10.0	0.71	1	10/29/14 16:30	11/06/14 13:13	88-75-5	
4-Nitrophenol	**<3.9**	ug/L	50.0	3.9	1	10/29/14 16:30	11/06/14 13:13	100-02-7	

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Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-04 **Lab ID: 92222561002** Collected: 10/22/14 16:07 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Nitroquinoline-n-oxide	**<1.9**	ug/L	50.0	1.9	1	10/29/14 16:30	11/06/14 13:13	56-57-5	
5-Nitro-o-toluidine	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	99-55-8	
N-Nitrosodiethylamine	**<0.91**	ug/L	20.0	0.91	1	10/29/14 16:30	11/06/14 13:13	55-18-5	
N-Nitrosodimethylamine	**<0.94**	ug/L	10.0	0.94	1	10/29/14 16:30	11/06/14 13:13	62-75-9	
N-Nitroso-di-n-butylamine	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:13	924-16-3	
N-Nitroso-di-n-propylamine	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 13:13	621-64-7	
N-Nitrosodiphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/29/14 16:30	11/06/14 13:13	86-30-6	
N-Nitrosomethylethylamine	**<0.61**	ug/L	10.0	0.61	1	10/29/14 16:30	11/06/14 13:13	10595-95-6	
N-Nitrosomorpholine	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:13	59-89-2	
N-Nitrosopiperidine	**<1.2**	ug/L	20.0	1.2	1	10/29/14 16:30	11/06/14 13:13	100-75-4	
N-Nitrosopyrrolidine	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:13	930-55-2	
n-Octadecane	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 13:13	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:13	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.56**	ug/L	10.0	0.56	1	10/29/14 16:30	11/06/14 13:13	108-60-1	
Pentachlorobenzene	**<1.5**	ug/L	10.0	1.5	1	10/29/14 16:30	11/06/14 13:13	608-93-5	
Pentachloroethane	**<1.1**	ug/L	20.0	1.1	1	10/29/14 16:30	11/06/14 13:13	76-01-7	
Pentachloronitrobenzene	**<0.79**	ug/L	20.0	0.79	1	10/29/14 16:30	11/06/14 13:13	82-68-8	
Pentachlorophenol	**<1.2**	ug/L	25.0	1.2	1	10/29/14 16:30	11/06/14 13:13	87-86-5	
Phenacetin	**<0.54**	ug/L	20.0	0.54	1	10/29/14 16:30	11/06/14 13:13	62-44-2	
Phenanthrene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 13:13	85-01-8	
Phenol	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:13	108-95-2	
p-Phenylenediamine	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 13:13	106-50-3	
Phthalic anhydride	**<1.2**	ug/L	75.0	1.2	1	10/29/14 16:30	11/06/14 13:13	85-44-9	
2-Picoline	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:13	109-06-8	
Pronamide	**<0.58**	ug/L	10.0	0.58	1	10/29/14 16:30	11/06/14 13:13	23950-58-5	
Pyrene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 13:13	129-00-0	
Pyridine	**<0.75**	ug/L	10.0	0.75	1	10/29/14 16:30	11/06/14 13:13	110-86-1	
Safrole	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:13	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<0.96**	ug/L	20.0	0.96	1	10/29/14 16:30	11/06/14 13:13	3689-24-5	
Terpineol	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:13	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:13	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 13:13	58-90-2	
Thionazin	**<0.86**	ug/L	20.0	0.86	1	10/29/14 16:30	11/06/14 13:13	297-97-2	
2,6-Toluene diisocyanate	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 13:13	91-08-7	
O-Toluidine	**<0.72**	ug/L	10.0	0.72	1	10/29/14 16:30	11/06/14 13:13	95-53-4	
1,2,4-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:13	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:13	95-95-4	
2,4,6-Trichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 13:13	88-06-2	
1,3,5-Trinitrobenzene	**<0.83**	ug/L	10.0	0.83	1	10/29/14 16:30	11/06/14 13:13	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	54	%	21-110		1	10/29/14 16:30	11/06/14 13:13	4165-60-0	
2-Fluorobiphenyl (S)	70	%	27-110		1	10/29/14 16:30	11/06/14 13:13	321-60-8	
Terphenyl-d14 (S)	56	%	31-107		1	10/29/14 16:30	11/06/14 13:13	1718-51-0	
Phenol-d6 (S)	20	%	10-110		1	10/29/14 16:30	11/06/14 13:13	13127-88-3	
2-Fluorophenol (S)	30	%	12-110		1	10/29/14 16:30	11/06/14 13:13	367-12-4	
2,4,6-Tribromophenol (S)	48	%	27-110		1	10/29/14 16:30	11/06/14 13:13	118-79-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-04 **Lab ID: 92222561002** Collected: 10/22/14 16:07 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		10/28/14 02:18	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		10/28/14 02:18	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		10/28/14 02:18	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		10/28/14 02:18	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		10/28/14 02:18	107-05-1	
Benzene	**0.67J**	ug/L	1.0	0.25	1		10/28/14 02:18	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		10/28/14 02:18	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		10/28/14 02:18	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:18	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		10/28/14 02:18	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		10/28/14 02:18	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		10/28/14 02:18	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		10/28/14 02:18	56-23-5	
Chlorobenzene	**3.4**	ug/L	1.0	0.23	1		10/28/14 02:18	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		10/28/14 02:18	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		10/28/14 02:18	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		10/28/14 02:18	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		10/28/14 02:18	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		10/28/14 02:18	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:18	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		10/28/14 02:18	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:18	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 02:18	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		10/28/14 02:18	541-73-1	
1,4-Dichlorobenzene	**4.3**	ug/L	1.0	0.33	1		10/28/14 02:18	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		10/28/14 02:18	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:18	75-71-8	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		10/28/14 02:18	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		10/28/14 02:18	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		10/28/14 02:18	75-35-4	
cis-1,2-Dichloroethene	**3.3**	ug/L	1.0	0.19	1		10/28/14 02:18	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 02:18	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		10/28/14 02:18	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/28/14 02:18	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		10/28/14 02:18	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 02:18	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/28/14 02:18	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:18	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 02:18	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		10/28/14 02:18	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		10/28/14 02:18	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		10/28/14 02:18	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		10/28/14 02:18	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		10/28/14 02:18	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		10/28/14 02:18	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		10/28/14 02:18	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-04 **Lab ID: 92222561002** Collected: 10/22/14 16:07 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		10/28/14 02:18	108-10-1	
Naphthalene	**0.28J**	ug/L	1.0	0.24	1		10/28/14 02:18	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		10/28/14 02:18	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		10/28/14 02:18	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		10/28/14 02:18	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		10/28/14 02:18	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:18	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/28/14 02:18	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		10/28/14 02:18	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/28/14 02:18	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/28/14 02:18	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		10/28/14 02:18	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		10/28/14 02:18	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		10/28/14 02:18	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		10/28/14 02:18	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		10/28/14 02:18	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		10/28/14 02:18	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		10/28/14 02:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/28/14 02:18	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		10/28/14 02:18	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/28/14 02:18	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**105**	mg/L	5.0	1.0	1		10/28/14 21:31		
Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**<0.50**	mg/L	0.50	0.50	1		10/24/14 20:51		H1,N2
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/28/14 15:20	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**<2.0**	mg/L	2.0	2.0	1	10/23/14 22:56	10/28/14 22:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**95.5**	mg/L	8.0	4.0	4		10/29/14 10:20	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**2.7**	mg/L	0.020	0.020	1		10/23/14 21:28		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**75.2**	mg/L	5.0	2.5	5		10/30/14 02:04	16887-00-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-04 **Lab ID: 92222561002** Collected: 10/22/14 16:07 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**<0.0025**	mg/L	0.0050	0.0025	1		11/02/14 12:47	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**45.0**	mg/L	25.0	12.5	1		10/30/14 16:00		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**65.4**	mg/L	2.0	1.0	2		10/30/14 13:00	7440-44-0	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-06 **Lab ID: 92222561003** Collected: 10/22/14 10:29 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 AIR Headspace	Analytical Method: RSK 175								
Ethane	**<3.1**	ug/L	6.2	3.1	1		10/28/14 20:06	74-84-0	
Ethene	**<3.1**	ug/L	6.2	3.1	1		10/28/14 20:06	74-85-1	
Methane	**607**	ug/L	6.6	3.3	1		10/28/14 20:06	74-82-8	
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 19:42	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:42	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 19:42	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 19:42	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 19:42	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	72	%	20-130		1	10/29/14 16:00	10/31/14 19:42	877-09-8	
Decachlorobiphenyl (S)	74	%	20-130		1	10/29/14 16:00	10/31/14 19:42	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:34	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:34	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:34	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:34	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:34	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:34	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:34	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	91	%	10-132		1	11/04/14 08:30	11/05/14 20:34	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 16:44	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 16:44	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 16:44	52-85-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-06 **Lab ID: 92222561003** Collected: 10/22/14 10:29 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 16:44	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 16:44	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 16:44	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	86	%	34.2-122		1	10/28/14 11:00	10/29/14 16:44		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/28/14 08:00	10/29/14 02:07	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/28/14 08:00	10/29/14 02:07	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/28/14 08:00	10/29/14 02:07	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/28/14 08:00	10/29/14 02:07	93-76-5	
2,4,5-TP (Silvex)	**<0.049**	ug/L	0.19	0.049	1	10/28/14 08:00	10/29/14 02:07	93-72-1	
Surrogates									
2,4-DCAA (S)	109	%	66-130		1	10/28/14 08:00	10/29/14 02:07	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**<3.8**	ug/L	5.0	3.8	1	10/23/14 16:00	10/24/14 04:29	7440-36-0	
Arsenic	**3.2J**	ug/L	10.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-38-2	
Barium	**49.7**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:29	7440-41-7	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:29	7440-43-9	
Chromium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-47-3	
Cobalt	**80.8**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-48-4	
Copper	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7439-92-1	
Nickel	**8.3**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:29	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/23/14 16:00	10/24/14 04:29	7440-28-0	
Tin	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-31-5	
Vanadium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:29	7440-62-2	
Zinc	**13.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:29	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	10/24/14 12:25	10/25/14 17:10	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:50	83-32-9	
Acenaphthylene	**<0.99**	ug/L	10.0	0.99	1	10/29/14 16:30	11/06/14 13:50	208-96-8	
Acetophenone	**<0.83**	ug/L	10.0	0.83	1	10/29/14 16:30	11/06/14 13:50	98-86-2	
2-Acetylaminofluorene	**<0.31**	ug/L	20.0	0.31	1	10/29/14 16:30	11/06/14 13:50	53-96-3	
4-Aminobiphenyl	**<0.32**	ug/L	10.0	0.32	1	10/29/14 16:30	11/06/14 13:50	92-67-1	
Aniline	**<0.80**	ug/L	10.0	0.80	1	10/29/14 16:30	11/06/14 13:50	62-53-3	
Anthracene	**<0.47**	ug/L	10.0	0.47	1	10/29/14 16:30	11/06/14 13:50	120-12-7	
Aramite	**<0.41**	ug/L	100	0.41	1	10/29/14 16:30	11/06/14 13:50	140-57-8	
Atrazine	**<0.67**	ug/L	20.0	0.67	1	10/29/14 16:30	11/06/14 13:50	1912-24-9	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-06 **Lab ID: 92222561003** Collected: 10/22/14 10:29 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzal chloride	**<1.8**	ug/L	50.0	1.8	1	10/29/14 16:30	11/06/14 13:50	98-87-3	
Benzaldehyde	**<4.7**	ug/L	20.0	4.7	1	10/29/14 16:30	11/06/14 13:50	100-52-7	
Benzidine	**<0.32**	ug/L	50.0	0.32	1	10/29/14 16:30	11/06/14 13:50	92-87-5	
Benzo(a)anthracene	**<0.47**	ug/L	10.0	0.47	1	10/29/14 16:30	11/06/14 13:50	56-55-3	
Benzo(a)pyrene	**<0.57**	ug/L	10.0	0.57	1	10/29/14 16:30	11/06/14 13:50	50-32-8	
Benzo(b)fluoranthene	**<0.44**	ug/L	10.0	0.44	1	10/29/14 16:30	11/06/14 13:50	205-99-2	
Benzo(g,h,i)perylene	**<0.45**	ug/L	10.0	0.45	1	10/29/14 16:30	11/06/14 13:50	191-24-2	
Benzo(k)fluoranthene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 13:50	207-08-9	
Benzoic Acid	**<4.9**	ug/L	50.0	4.9	1	10/29/14 16:30	11/06/14 13:50	65-85-0	
Benzophenone	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 13:50	119-61-9	
Benzyl alcohol	**<2.1**	ug/L	20.0	2.1	1	10/29/14 16:30	11/06/14 13:50	100-51-6	
Biphenyl (Diphenyl)	**<0.94**	ug/L	10.0	0.94	1	10/29/14 16:30	11/06/14 13:50	92-52-4	
4-Bromophenylphenyl ether	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	101-55-3	
Butylbenzylphthalate	**<0.48**	ug/L	10.0	0.48	1	10/29/14 16:30	11/06/14 13:50	85-68-7	
Caprolactam	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:50	105-60-2	
Carbazole	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 13:50	86-74-8	
4-Chloro-3-methylphenol	**<2.0**	ug/L	20.0	2.0	1	10/29/14 16:30	11/06/14 13:50	59-50-7	
4-Chloroaniline	**<1.6**	ug/L	20.0	1.6	1	10/29/14 16:30	11/06/14 13:50	106-47-8	
Chlorobenzilate	**<0.40**	ug/L	10.0	0.40	1	10/29/14 16:30	11/06/14 13:50	510-15-6	
bis(2-Chloroethoxy)methane	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:50	111-91-1	
bis(2-Chloroethyl) ether	**<0.89**	ug/L	10.0	0.89	1	10/29/14 16:30	11/06/14 13:50	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.86**	ug/L	10.0	0.86	1	10/29/14 16:30	11/06/14 13:50	108-60-1	
2-Chloronaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	95-57-8	
4-Chlorophenylphenyl ether	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:50	7005-72-3	
Chrysene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 13:50	218-01-9	
n-Decane	**<0.78**	ug/L	10.0	0.78	1	10/29/14 16:30	11/06/14 13:50	124-18-5	
Diallate	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 13:50	2303-16-4	
Dibenz(a,h)anthracene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 13:50	53-70-3	
Dibenzo(a,e)pyrene	**<0.32**	ug/L	50.0	0.32	1	10/29/14 16:30	11/06/14 13:50	192-65-4	
Dibenzofuran	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.1**	ug/L	75.0	2.1	1	10/29/14 16:30	11/06/14 13:50	126-72-7	
1,2-Dichlorobenzene	**<0.71**	ug/L	10.0	0.71	1	10/29/14 16:30	11/06/14 13:50	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/L	10.0	0.78	1	10/29/14 16:30	11/06/14 13:50	541-73-1	
1,4-Dichlorobenzene	**<0.81**	ug/L	10.0	0.81	1	10/29/14 16:30	11/06/14 13:50	106-46-7	
3,3'-Dichlorobenzidine	**<0.69**	ug/L	20.0	0.69	1	10/29/14 16:30	11/06/14 13:50	91-94-1	
2,4-Dichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 13:50	120-83-2	
2,6-Dichlorophenol	**<1.7**	ug/L	10.0	1.7	1	10/29/14 16:30	11/06/14 13:50	87-65-0	
2,3-Dichloroaniline	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:50	99-09-2	
Diethylphthalate	**<0.91**	ug/L	10.0	0.91	1	10/29/14 16:30	11/06/14 13:50	84-66-2	
P-Dimethylaminoazobenzene	**<0.23**	ug/L	5.0	0.23	1	10/29/14 16:30	11/06/14 13:50	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.51**	ug/L	10.0	0.51	1	10/29/14 16:30	11/06/14 13:50	57-97-6	
3,3'-Dimethylbenzidine	**<0.74**	ug/L	10.0	0.74	1	10/29/14 16:30	11/06/14 13:50	119-93-7	
2,4-Dimethylphenol	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 13:50	105-67-9	
a,a-Dimethylphenylethylamine	**<1.5**	ug/L	50.0	1.5	1	10/29/14 16:30	11/06/14 13:50	122-09-8	
Dimethylphthalate	**<0.62**	ug/L	10.0	0.62	1	10/29/14 16:30	11/06/14 13:50	131-11-3	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-06 **Lab ID: 92222561003** Collected: 10/22/14 10:29 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-butylphthalate	**<0.37**	ug/L	10.0	0.37	1	10/29/14 16:30	11/06/14 13:50	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.1**	ug/L	20.0	1.1	1	10/29/14 16:30	11/06/14 13:50	534-52-1	
1,3-Dinitrobenzene	**<0.81**	ug/L	20.0	0.81	1	10/29/14 16:30	11/06/14 13:50	99-65-0	
1,4-Dinitrobenzene	**<0.62**	ug/L	20.0	0.62	1	10/29/14 16:30	11/06/14 13:50	100-25-4	
2,4-Dinitrophenol	**<2.5**	ug/L	50.0	2.5	1	10/29/14 16:30	11/06/14 13:50	51-28-5	
2,4-Dinitrotoluene	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 13:50	121-14-2	
2,6-Dinitrotoluene	**<2.1**	ug/L	10.0	2.1	1	10/29/14 16:30	11/06/14 13:50	606-20-2	
Di-n-octylphthalate	**<0.12**	ug/L	10.0	0.12	1	10/29/14 16:30	11/06/14 13:50	117-84-0	
Dinoseb	**<0.43**	ug/L	20.0	0.43	1	10/29/14 16:30	11/06/14 13:50	88-85-7	
Diphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/29/14 16:30	11/06/14 13:50	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:50	101-84-8	
1,2-Diphenylhydrazine	**<0.74**	ug/L	10.0	0.74	1	10/29/14 16:30	11/06/14 13:50	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.49**	ug/L	6.0	0.49	1	10/29/14 16:30	11/06/14 13:50	117-81-7	
Ethyl methanesulfonate	**<1.3**	ug/L	20.0	1.3	1	10/29/14 16:30	11/06/14 13:50	62-50-0	
Fluoranthene	**<0.41**	ug/L	10.0	0.41	1	10/29/14 16:30	11/06/14 13:50	206-44-0	
Fluorene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	86-73-7	
Hexachloro-1,3-butadiene	**<0.90**	ug/L	10.0	0.90	1	10/29/14 16:30	11/06/14 13:50	87-68-3	
Hexachlorobenzene	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 13:50	118-74-1	
Hexachlorocyclopentadiene	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:50	77-47-4	
Hexachloroethane	**<0.90**	ug/L	10.0	0.90	1	10/29/14 16:30	11/06/14 13:50	67-72-1	
Hexachlorophene	**<1.9**	ug/L	100	1.9	1	10/29/14 16:30	11/06/14 13:50	70-30-4	
Hexachloropropene	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:50	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 13:50	193-39-5	
Isodrin	**<0.75**	ug/L	20.0	0.75	1	10/29/14 16:30	11/06/14 13:50	465-73-6	
Isophorone	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 13:50	78-59-1	
Isosafrole	**<1.2**	ug/L	10.0	1.2	1	10/29/14 16:30	11/06/14 13:50	120-58-1	
Kepone	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 13:50	143-50-0	
Methapyrilene	**<1.3**	ug/L	50.0	1.3	1	10/29/14 16:30	11/06/14 13:50	91-80-5	
3-Methylcholanthrene	**<0.37**	ug/L	10.0	0.37	1	10/29/14 16:30	11/06/14 13:50	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<0.94**	ug/L	50.0	0.94	1	10/29/14 16:30	11/06/14 13:50	101-14-4	
Methyl methanesulfonate	**<1.2**	ug/L	5.0	1.2	1	10/29/14 16:30	11/06/14 13:50	66-27-3	
1-Methylnaphthalene	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 13:50	90-12-0	
2-Methylnaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	91-57-6	
2-Methyl-5-nitroaniline	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	99-55-8	
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50		
1-Naphthalenamine	**<0.54**	ug/L	5.0	0.54	1	10/29/14 16:30	11/06/14 13:50	134-32-7	
2-Naphthalenamine	**<0.87**	ug/L	5.0	0.87	1	10/29/14 16:30	11/06/14 13:50	91-59-8	
Naphthalene	**<0.93**	ug/L	10.0	0.93	1	10/29/14 16:30	11/06/14 13:50	91-20-3	
1,4-Naphthoquinone	**<0.84**	ug/L	5.0	0.84	1	10/29/14 16:30	11/06/14 13:50	130-15-4	
2-Nitroaniline	**<1.5**	ug/L	50.0	1.5	1	10/29/14 16:30	11/06/14 13:50	88-74-4	
3-Nitroaniline	**<1.3**	ug/L	50.0	1.3	1	10/29/14 16:30	11/06/14 13:50	99-09-2	
4-Nitroaniline	**<1.6**	ug/L	20.0	1.6	1	10/29/14 16:30	11/06/14 13:50	100-01-6	
Nitrobenzene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	98-95-3	
2-Nitrophenol	**<0.71**	ug/L	10.0	0.71	1	10/29/14 16:30	11/06/14 13:50	88-75-5	
4-Nitrophenol	**<3.9**	ug/L	50.0	3.9	1	10/29/14 16:30	11/06/14 13:50	100-02-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-06 **Lab ID: 92222561003** Collected: 10/22/14 10:29 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Nitroquinoline-n-oxide	**<1.9**	ug/L	50.0	1.9	1	10/29/14 16:30	11/06/14 13:50	56-57-5	
5-Nitro-o-toluidine	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	99-55-8	
N-Nitrosodiethylamine	**<0.91**	ug/L	20.0	0.91	1	10/29/14 16:30	11/06/14 13:50	55-18-5	
N-Nitrosodimethylamine	**<0.94**	ug/L	10.0	0.94	1	10/29/14 16:30	11/06/14 13:50	62-75-9	
N-Nitroso-di-n-butylamine	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:50	924-16-3	
N-Nitroso-di-n-propylamine	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 13:50	621-64-7	
N-Nitrosodiphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/29/14 16:30	11/06/14 13:50	86-30-6	
N-Nitrosomethylethylamine	**<0.61**	ug/L	10.0	0.61	1	10/29/14 16:30	11/06/14 13:50	10595-95-6	
N-Nitrosomorpholine	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:50	59-89-2	
N-Nitrosopiperidine	**<1.2**	ug/L	20.0	1.2	1	10/29/14 16:30	11/06/14 13:50	100-75-4	
N-Nitrosopyrrolidine	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:50	930-55-2	
n-Octadecane	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 13:50	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:50	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.56**	ug/L	10.0	0.56	1	10/29/14 16:30	11/06/14 13:50	108-60-1	
Pentachlorobenzene	**<1.5**	ug/L	10.0	1.5	1	10/29/14 16:30	11/06/14 13:50	608-93-5	
Pentachloroethane	**<1.1**	ug/L	20.0	1.1	1	10/29/14 16:30	11/06/14 13:50	76-01-7	
Pentachloronitrobenzene	**<0.79**	ug/L	20.0	0.79	1	10/29/14 16:30	11/06/14 13:50	82-68-8	
Pentachlorophenol	**<1.2**	ug/L	25.0	1.2	1	10/29/14 16:30	11/06/14 13:50	87-86-5	
Phenacetin	**<0.54**	ug/L	20.0	0.54	1	10/29/14 16:30	11/06/14 13:50	62-44-2	
Phenanthrene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 13:50	85-01-8	
Phenol	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 13:50	108-95-2	
p-Phenylenediamine	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 13:50	106-50-3	
Phthalic anhydride	**<1.2**	ug/L	75.0	1.2	1	10/29/14 16:30	11/06/14 13:50	85-44-9	
2-Picoline	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:50	109-06-8	
Pronamide	**<0.58**	ug/L	10.0	0.58	1	10/29/14 16:30	11/06/14 13:50	23950-58-5	
Pyrene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 13:50	129-00-0	
Pyridine	**<0.75**	ug/L	10.0	0.75	1	10/29/14 16:30	11/06/14 13:50	110-86-1	
Safrole	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:50	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<0.96**	ug/L	20.0	0.96	1	10/29/14 16:30	11/06/14 13:50	3689-24-5	
Terpineol	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 13:50	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:50	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 13:50	58-90-2	
Thionazin	**<0.86**	ug/L	20.0	0.86	1	10/29/14 16:30	11/06/14 13:50	297-97-2	
2,6-Toluene diisocyanate	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 13:50	91-08-7	
O-Toluidine	**<0.72**	ug/L	10.0	0.72	1	10/29/14 16:30	11/06/14 13:50	95-53-4	
1,2,4-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 13:50	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 13:50	95-95-4	
2,4,6-Trichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 13:50	88-06-2	
1,3,5-Trinitrobenzene	**<0.83**	ug/L	10.0	0.83	1	10/29/14 16:30	11/06/14 13:50	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	55	%	21-110		1	10/29/14 16:30	11/06/14 13:50	4165-60-0	
2-Fluorobiphenyl (S)	67	%	27-110		1	10/29/14 16:30	11/06/14 13:50	321-60-8	
Terphenyl-d14 (S)	72	%	31-107		1	10/29/14 16:30	11/06/14 13:50	1718-51-0	
Phenol-d6 (S)	25	%	10-110		1	10/29/14 16:30	11/06/14 13:50	13127-88-3	
2-Fluorophenol (S)	34	%	12-110		1	10/29/14 16:30	11/06/14 13:50	367-12-4	
2,4,6-Tribromophenol (S)	55	%	27-110		1	10/29/14 16:30	11/06/14 13:50	118-79-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-06 **Lab ID: 92222561003** Collected: 10/22/14 10:29 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		10/28/14 02:35	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		10/28/14 02:35	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		10/28/14 02:35	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		10/28/14 02:35	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		10/28/14 02:35	107-05-1	
Benzene	**2.7**	ug/L	1.0	0.25	1		10/28/14 02:35	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		10/28/14 02:35	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		10/28/14 02:35	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:35	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		10/28/14 02:35	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		10/28/14 02:35	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		10/28/14 02:35	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		10/28/14 02:35	56-23-5	
Chlorobenzene	**3.1**	ug/L	1.0	0.23	1		10/28/14 02:35	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		10/28/14 02:35	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		10/28/14 02:35	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		10/28/14 02:35	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		10/28/14 02:35	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		10/28/14 02:35	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:35	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		10/28/14 02:35	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:35	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 02:35	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		10/28/14 02:35	541-73-1	
1,4-Dichlorobenzene	**9.8**	ug/L	1.0	0.33	1		10/28/14 02:35	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		10/28/14 02:35	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:35	75-71-8	
1,1-Dichloroethane	**4.4**	ug/L	1.0	0.32	1		10/28/14 02:35	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		10/28/14 02:35	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		10/28/14 02:35	75-35-4	
cis-1,2-Dichloroethene	**8.9**	ug/L	1.0	0.19	1		10/28/14 02:35	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 02:35	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		10/28/14 02:35	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/28/14 02:35	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		10/28/14 02:35	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 02:35	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/28/14 02:35	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:35	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 02:35	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		10/28/14 02:35	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		10/28/14 02:35	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		10/28/14 02:35	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		10/28/14 02:35	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		10/28/14 02:35	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		10/28/14 02:35	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		10/28/14 02:35	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-06 **Lab ID: 92222561003** Collected: 10/22/14 10:29 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		10/28/14 02:35	108-10-1	
Naphthalene	**0.32J**	ug/L	1.0	0.24	1		10/28/14 02:35	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		10/28/14 02:35	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		10/28/14 02:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		10/28/14 02:35	79-34-5	
Tetrachloroethene	**0.50J**	ug/L	1.0	0.46	1		10/28/14 02:35	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:35	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/28/14 02:35	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		10/28/14 02:35	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/28/14 02:35	79-00-5	
Trichloroethene	**0.81J**	ug/L	1.0	0.47	1		10/28/14 02:35	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		10/28/14 02:35	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		10/28/14 02:35	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		10/28/14 02:35	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		10/28/14 02:35	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		10/28/14 02:35	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		10/28/14 02:35	179601-23-1	
o-Xylene	**0.36J**	ug/L	1.0	0.23	1		10/28/14 02:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/28/14 02:35	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		10/28/14 02:35	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		10/28/14 02:35	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**37.8**	mg/L	5.0	1.0	1		10/28/14 21:43		
Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**1.5**	mg/L	0.50	0.50	1		10/24/14 20:46		H1,N2
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/28/14 15:20	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**<2.0**	mg/L	2.0	2.0	1	10/23/14 18:05	10/28/14 12:47		B2
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**1.5J**	mg/L	2.0	1.0	1		10/28/14 19:12	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**<0.020**	mg/L	0.020	0.020	1		10/23/14 21:20		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**0.80J**	mg/L	1.0	0.50	1		10/30/14 02:05	16887-00-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-06 **Lab ID: 92222561003** Collected: 10/22/14 10:29 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**<0.0025**	mg/L	0.0050	0.0025	1		11/02/14 12:48	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**<12.5**	mg/L	25.0	12.5	1		11/01/14 14:30		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**37.8**	mg/L	1.0	0.50	1		10/30/14 13:12	7440-44-0	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-1 **Lab ID: 92222561004** Collected: 10/22/14 16:10 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 19:59	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 19:59	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 19:59	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 19:59	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 19:59	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	59	%	20-130		1	10/29/14 16:00	10/31/14 19:59	877-09-8	
Decachlorobiphenyl (S)	60	%	20-130		1	10/29/14 16:00	10/31/14 19:59	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:55	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:55	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:55	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:55	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:55	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:55	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 20:55	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	82	%	10-132		1	11/04/14 08:30	11/05/14 20:55	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 17:32	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 17:32	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 17:32	52-85-7	
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 17:32	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 17:32	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 17:32	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	99	%	34.2-122		1	10/28/14 11:00	10/29/14 17:32		

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-1 **Lab ID: 92222561004** Collected: 10/22/14 16:10 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/29/14 08:30	10/30/14 05:57	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/29/14 08:30	10/30/14 05:57	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/29/14 08:30	10/30/14 05:57	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/29/14 08:30	10/30/14 05:57	93-76-5	
2,4,5-TP (Silvex)	**<0.049**	ug/L	0.19	0.049	1	10/29/14 08:30	10/30/14 05:57	93-72-1	
Surrogates									
2,4-DCAA (S)	78	%	66-130		1	10/29/14 08:30	10/30/14 05:57	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**<3.8**	ug/L	5.0	3.8	1	10/23/14 16:00	10/24/14 04:32	7440-36-0	
Arsenic	**<2.5**	ug/L	10.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-38-2	
Barium	**12.0**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:32	7440-41-7	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:32	7440-43-9	
Chromium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-47-3	
Cobalt	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-48-4	
Copper	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7439-92-1	
Nickel	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:32	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/23/14 16:00	10/24/14 04:32	7440-28-0	
Tin	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-31-5	
Vanadium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:32	7440-62-2	
Zinc	**<5.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:32	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	10/24/14 12:25	10/25/14 17:13	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 14:28	83-32-9	
Acenaphthylene	**<0.99**	ug/L	10.0	0.99	1	10/29/14 16:30	11/06/14 14:28	208-96-8	
Acetophenone	**<0.83**	ug/L	10.0	0.83	1	10/29/14 16:30	11/06/14 14:28	98-86-2	
2-Acetylaminofluorene	**<0.31**	ug/L	20.0	0.31	1	10/29/14 16:30	11/06/14 14:28	53-96-3	
4-Aminobiphenyl	**<0.32**	ug/L	10.0	0.32	1	10/29/14 16:30	11/06/14 14:28	92-67-1	
Aniline	**<0.80**	ug/L	10.0	0.80	1	10/29/14 16:30	11/06/14 14:28	62-53-3	
Anthracene	**<0.47**	ug/L	10.0	0.47	1	10/29/14 16:30	11/06/14 14:28	120-12-7	
Aramite	**<0.41**	ug/L	100	0.41	1	10/29/14 16:30	11/06/14 14:28	140-57-8	
Atrazine	**<0.67**	ug/L	20.0	0.67	1	10/29/14 16:30	11/06/14 14:28	1912-24-9	
Benzal chloride	**<1.8**	ug/L	50.0	1.8	1	10/29/14 16:30	11/06/14 14:28	98-87-3	
Benzaldehyde	**<4.7**	ug/L	20.0	4.7	1	10/29/14 16:30	11/06/14 14:28	100-52-7	
Benzidine	**<0.32**	ug/L	50.0	0.32	1	10/29/14 16:30	11/06/14 14:28	92-87-5	
Benzo(a)anthracene	**<0.47**	ug/L	10.0	0.47	1	10/29/14 16:30	11/06/14 14:28	56-55-3	
Benzo(a)pyrene	**<0.57**	ug/L	10.0	0.57	1	10/29/14 16:30	11/06/14 14:28	50-32-8	
Benzo(b)fluoranthene	**<0.44**	ug/L	10.0	0.44	1	10/29/14 16:30	11/06/14 14:28	205-99-2	
Benzo(g,h,i)perylene	**<0.45**	ug/L	10.0	0.45	1	10/29/14 16:30	11/06/14 14:28	191-24-2	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-1 **Lab ID: 92222561004** Collected: 10/22/14 16:10 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzo(k)fluoranthene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 14:28	207-08-9	
Benzoic Acid	**<4.9**	ug/L	50.0	4.9	1	10/29/14 16:30	11/06/14 14:28	65-85-0	
Benzophenone	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 14:28	119-61-9	
Benzyl alcohol	**<2.1**	ug/L	20.0	2.1	1	10/29/14 16:30	11/06/14 14:28	100-51-6	
Biphenyl (Diphenyl)	**<0.94**	ug/L	10.0	0.94	1	10/29/14 16:30	11/06/14 14:28	92-52-4	
4-Bromophenylphenyl ether	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	101-55-3	
Butylbenzylphthalate	**<0.48**	ug/L	10.0	0.48	1	10/29/14 16:30	11/06/14 14:28	85-68-7	
Caprolactam	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 14:28	105-60-2	
Carbazole	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 14:28	86-74-8	
4-Chloro-3-methylphenol	**<2.0**	ug/L	20.0	2.0	1	10/29/14 16:30	11/06/14 14:28	59-50-7	
4-Chloroaniline	**<1.6**	ug/L	20.0	1.6	1	10/29/14 16:30	11/06/14 14:28	106-47-8	
Chlorobenzilate	**<0.40**	ug/L	10.0	0.40	1	10/29/14 16:30	11/06/14 14:28	510-15-6	
bis(2-Chloroethoxy)methane	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 14:28	111-91-1	
bis(2-Chloroethyl) ether	**<0.89**	ug/L	10.0	0.89	1	10/29/14 16:30	11/06/14 14:28	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.86**	ug/L	10.0	0.86	1	10/29/14 16:30	11/06/14 14:28	108-60-1	
2-Chloronaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	95-57-8	
4-Chlorophenylphenyl ether	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 14:28	7005-72-3	
Chrysene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 14:28	218-01-9	
n-Decane	**<0.78**	ug/L	10.0	0.78	1	10/29/14 16:30	11/06/14 14:28	124-18-5	
Diallate	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 14:28	2303-16-4	
Dibenz(a,h)anthracene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 14:28	53-70-3	
Dibenzo(a,e)pyrene	**<0.32**	ug/L	50.0	0.32	1	10/29/14 16:30	11/06/14 14:28	192-65-4	
Dibenzofuran	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.1**	ug/L	75.0	2.1	1	10/29/14 16:30	11/06/14 14:28	126-72-7	
1,2-Dichlorobenzene	**<0.71**	ug/L	10.0	0.71	1	10/29/14 16:30	11/06/14 14:28	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/L	10.0	0.78	1	10/29/14 16:30	11/06/14 14:28	541-73-1	
1,4-Dichlorobenzene	**<0.81**	ug/L	10.0	0.81	1	10/29/14 16:30	11/06/14 14:28	106-46-7	
3,3'-Dichlorobenzidine	**<0.69**	ug/L	20.0	0.69	1	10/29/14 16:30	11/06/14 14:28	91-94-1	
2,4-Dichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 14:28	120-83-2	
2,6-Dichlorophenol	**<1.7**	ug/L	10.0	1.7	1	10/29/14 16:30	11/06/14 14:28	87-65-0	
2,3-Dichloroaniline	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 14:28	99-09-2	
Diethylphthalate	**<0.91**	ug/L	10.0	0.91	1	10/29/14 16:30	11/06/14 14:28	84-66-2	
P-Dimethylaminoazobenzene	**<0.23**	ug/L	5.0	0.23	1	10/29/14 16:30	11/06/14 14:28	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.51**	ug/L	10.0	0.51	1	10/29/14 16:30	11/06/14 14:28	57-97-6	
3,3'-Dimethylbenzidine	**<0.74**	ug/L	10.0	0.74	1	10/29/14 16:30	11/06/14 14:28	119-93-7	
2,4-Dimethylphenol	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 14:28	105-67-9	
a,a-Dimethylphenylethylamine	**<1.5**	ug/L	50.0	1.5	1	10/29/14 16:30	11/06/14 14:28	122-09-8	
Dimethylphthalate	**<0.62**	ug/L	10.0	0.62	1	10/29/14 16:30	11/06/14 14:28	131-11-3	
Di-n-butylphthalate	**<0.37**	ug/L	10.0	0.37	1	10/29/14 16:30	11/06/14 14:28	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.1**	ug/L	20.0	1.1	1	10/29/14 16:30	11/06/14 14:28	534-52-1	
1,3-Dinitrobenzene	**<0.81**	ug/L	20.0	0.81	1	10/29/14 16:30	11/06/14 14:28	99-65-0	
1,4-Dinitrobenzene	**<0.62**	ug/L	20.0	0.62	1	10/29/14 16:30	11/06/14 14:28	100-25-4	
2,4-Dinitrophenol	**<2.5**	ug/L	50.0	2.5	1	10/29/14 16:30	11/06/14 14:28	51-28-5	
2,4-Dinitrotoluene	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 14:28	121-14-2	
2,6-Dinitrotoluene	**<2.1**	ug/L	10.0	2.1	1	10/29/14 16:30	11/06/14 14:28	606-20-2	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-1 **Lab ID: 92222561004** Collected: 10/22/14 16:10 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-octylphthalate	**<0.12**	ug/L	10.0	0.12	1	10/29/14 16:30	11/06/14 14:28	117-84-0	
Dinoseb	**<0.43**	ug/L	20.0	0.43	1	10/29/14 16:30	11/06/14 14:28	88-85-7	
Diphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/29/14 16:30	11/06/14 14:28	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 14:28	101-84-8	
1,2-Diphenylhydrazine	**<0.74**	ug/L	10.0	0.74	1	10/29/14 16:30	11/06/14 14:28	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.49**	ug/L	6.0	0.49	1	10/29/14 16:30	11/06/14 14:28	117-81-7	
Ethyl methanesulfonate	**<1.3**	ug/L	20.0	1.3	1	10/29/14 16:30	11/06/14 14:28	62-50-0	
Fluoranthene	**<0.41**	ug/L	10.0	0.41	1	10/29/14 16:30	11/06/14 14:28	206-44-0	
Fluorene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	86-73-7	
Hexachloro-1,3-butadiene	**<0.90**	ug/L	10.0	0.90	1	10/29/14 16:30	11/06/14 14:28	87-68-3	
Hexachlorobenzene	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 14:28	118-74-1	
Hexachlorocyclopentadiene	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 14:28	77-47-4	
Hexachloroethane	**<0.90**	ug/L	10.0	0.90	1	10/29/14 16:30	11/06/14 14:28	67-72-1	
Hexachlorophene	**<1.9**	ug/L	100	1.9	1	10/29/14 16:30	11/06/14 14:28	70-30-4	
Hexachloropropene	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 14:28	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 14:28	193-39-5	
Isodrin	**<0.75**	ug/L	20.0	0.75	1	10/29/14 16:30	11/06/14 14:28	465-73-6	
Isophorone	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 14:28	78-59-1	
Isosafrole	**<1.2**	ug/L	10.0	1.2	1	10/29/14 16:30	11/06/14 14:28	120-58-1	
Kepone	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 14:28	143-50-0	
Methapyrilene	**<1.3**	ug/L	50.0	1.3	1	10/29/14 16:30	11/06/14 14:28	91-80-5	
3-Methylcholanthrene	**<0.37**	ug/L	10.0	0.37	1	10/29/14 16:30	11/06/14 14:28	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<0.94**	ug/L	50.0	0.94	1	10/29/14 16:30	11/06/14 14:28	101-14-4	
Methyl methanesulfonate	**<1.2**	ug/L	5.0	1.2	1	10/29/14 16:30	11/06/14 14:28	66-27-3	
1-Methylnaphthalene	**<0.92**	ug/L	10.0	0.92	1	10/29/14 16:30	11/06/14 14:28	90-12-0	
2-Methylnaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	91-57-6	
2-Methyl-5-nitroaniline	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	99-55-8	
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28		
1-Naphthalenamine	**<0.54**	ug/L	5.0	0.54	1	10/29/14 16:30	11/06/14 14:28	134-32-7	
2-Naphthalenamine	**<0.87**	ug/L	5.0	0.87	1	10/29/14 16:30	11/06/14 14:28	91-59-8	
Naphthalene	**<0.93**	ug/L	10.0	0.93	1	10/29/14 16:30	11/06/14 14:28	91-20-3	
1,4-Naphthoquinone	**<0.84**	ug/L	5.0	0.84	1	10/29/14 16:30	11/06/14 14:28	130-15-4	
2-Nitroaniline	**<1.5**	ug/L	50.0	1.5	1	10/29/14 16:30	11/06/14 14:28	88-74-4	
3-Nitroaniline	**<1.3**	ug/L	50.0	1.3	1	10/29/14 16:30	11/06/14 14:28	99-09-2	
4-Nitroaniline	**<1.6**	ug/L	20.0	1.6	1	10/29/14 16:30	11/06/14 14:28	100-01-6	
Nitrobenzene	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	98-95-3	
2-Nitrophenol	**<0.71**	ug/L	10.0	0.71	1	10/29/14 16:30	11/06/14 14:28	88-75-5	
4-Nitrophenol	**<3.9**	ug/L	50.0	3.9	1	10/29/14 16:30	11/06/14 14:28	100-02-7	
4-Nitroquinoline-n-oxide	**<1.9**	ug/L	50.0	1.9	1	10/29/14 16:30	11/06/14 14:28	56-57-5	
5-Nitro-o-toluidine	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	99-55-8	
N-Nitrosodiethylamine	**<0.91**	ug/L	20.0	0.91	1	10/29/14 16:30	11/06/14 14:28	55-18-5	
N-Nitrosodimethylamine	**<0.94**	ug/L	10.0	0.94	1	10/29/14 16:30	11/06/14 14:28	62-75-9	
N-Nitroso-di-n-butylamine	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 14:28	924-16-3	
N-Nitroso-di-n-propylamine	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 14:28	621-64-7	
N-Nitrosodiphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/29/14 16:30	11/06/14 14:28	86-30-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-1 **Lab ID: 92222561004** Collected: 10/22/14 16:10 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitrosomethylethylamine	**<0.61**	ug/L	10.0	0.61	1	10/29/14 16:30	11/06/14 14:28	10595-95-6	
N-Nitrosomorpholine	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 14:28	59-89-2	
N-Nitrosopiperidine	**<1.2**	ug/L	20.0	1.2	1	10/29/14 16:30	11/06/14 14:28	100-75-4	
N-Nitrosopyrrolidine	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 14:28	930-55-2	
n-Octadecane	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 14:28	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 14:28	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.56**	ug/L	10.0	0.56	1	10/29/14 16:30	11/06/14 14:28	108-60-1	
Pentachlorobenzene	**<1.5**	ug/L	10.0	1.5	1	10/29/14 16:30	11/06/14 14:28	608-93-5	
Pentachloroethane	**<1.1**	ug/L	20.0	1.1	1	10/29/14 16:30	11/06/14 14:28	76-01-7	
Pentachloronitrobenzene	**<0.79**	ug/L	20.0	0.79	1	10/29/14 16:30	11/06/14 14:28	82-68-8	
Pentachlorophenol	**<1.2**	ug/L	25.0	1.2	1	10/29/14 16:30	11/06/14 14:28	87-86-5	
Phenacetin	**<0.54**	ug/L	20.0	0.54	1	10/29/14 16:30	11/06/14 14:28	62-44-2	
Phenanthrene	**<0.53**	ug/L	10.0	0.53	1	10/29/14 16:30	11/06/14 14:28	85-01-8	
Phenol	**<1.1**	ug/L	10.0	1.1	1	10/29/14 16:30	11/06/14 14:28	108-95-2	
p-Phenylenediamine	**<0.96**	ug/L	10.0	0.96	1	10/29/14 16:30	11/06/14 14:28	106-50-3	
Phthalic anhydride	**<1.2**	ug/L	75.0	1.2	1	10/29/14 16:30	11/06/14 14:28	85-44-9	
2-Picoline	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 14:28	109-06-8	
Pronamide	**<0.58**	ug/L	10.0	0.58	1	10/29/14 16:30	11/06/14 14:28	23950-58-5	
Pyrene	**<0.49**	ug/L	10.0	0.49	1	10/29/14 16:30	11/06/14 14:28	129-00-0	
Pyridine	**<0.75**	ug/L	10.0	0.75	1	10/29/14 16:30	11/06/14 14:28	110-86-1	
Safrole	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 14:28	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<0.96**	ug/L	20.0	0.96	1	10/29/14 16:30	11/06/14 14:28	3689-24-5	
Terpineol	**<1.4**	ug/L	10.0	1.4	1	10/29/14 16:30	11/06/14 14:28	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 14:28	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.6**	ug/L	10.0	1.6	1	10/29/14 16:30	11/06/14 14:28	58-90-2	
Thionazin	**<0.86**	ug/L	20.0	0.86	1	10/29/14 16:30	11/06/14 14:28	297-97-2	
2,6-Toluene diisocyanate	**<0.76**	ug/L	10.0	0.76	1	10/29/14 16:30	11/06/14 14:28	91-08-7	
O-Toluidine	**<0.72**	ug/L	10.0	0.72	1	10/29/14 16:30	11/06/14 14:28	95-53-4	
1,2,4-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/29/14 16:30	11/06/14 14:28	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/29/14 16:30	11/06/14 14:28	95-95-4	
2,4,6-Trichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/29/14 16:30	11/06/14 14:28	88-06-2	
1,3,5-Trinitrobenzene	**<0.83**	ug/L	10.0	0.83	1	10/29/14 16:30	11/06/14 14:28	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	36	%	21-110		1	10/29/14 16:30	11/06/14 14:28	4165-60-0	
2-Fluorobiphenyl (S)	45	%	27-110		1	10/29/14 16:30	11/06/14 14:28	321-60-8	
Terphenyl-d14 (S)	48	%	31-107		1	10/29/14 16:30	11/06/14 14:28	1718-51-0	
Phenol-d6 (S)	14	%	10-110		1	10/29/14 16:30	11/06/14 14:28	13127-88-3	
2-Fluorophenol (S)	21	%	12-110		1	10/29/14 16:30	11/06/14 14:28	367-12-4	
2,4,6-Tribromophenol (S)	30	%	27-110		1	10/29/14 16:30	11/06/14 14:28	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		10/28/14 02:51	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		10/28/14 02:51	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		10/28/14 02:51	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		10/28/14 02:51	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		10/28/14 02:51	107-05-1	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-1 **Lab ID: 92222561004** Collected: 10/22/14 16:10 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/28/14 02:51	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		10/28/14 02:51	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		10/28/14 02:51	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:51	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		10/28/14 02:51	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		10/28/14 02:51	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		10/28/14 02:51	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		10/28/14 02:51	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		10/28/14 02:51	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		10/28/14 02:51	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		10/28/14 02:51	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		10/28/14 02:51	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		10/28/14 02:51	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		10/28/14 02:51	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		10/28/14 02:51	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:51	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 02:51	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		10/28/14 02:51	541-73-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/28/14 02:51	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		10/28/14 02:51	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 02:51	75-71-8	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		10/28/14 02:51	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		10/28/14 02:51	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		10/28/14 02:51	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		10/28/14 02:51	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 02:51	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		10/28/14 02:51	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/28/14 02:51	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		10/28/14 02:51	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 02:51	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/28/14 02:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:51	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 02:51	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		10/28/14 02:51	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		10/28/14 02:51	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		10/28/14 02:51	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		10/28/14 02:51	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		10/28/14 02:51	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		10/28/14 02:51	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		10/28/14 02:51	80-62-6	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		10/28/14 02:51	108-10-1	
Naphthalene	**<0.24**	ug/L	1.0	0.24	1		10/28/14 02:51	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		10/28/14 02:51	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		10/28/14 02:51	630-20-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-1 **Lab ID: 92222561004** Collected: 10/22/14 16:10 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		10/28/14 02:51	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		10/28/14 02:51	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 02:51	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/28/14 02:51	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		10/28/14 02:51	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/28/14 02:51	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/28/14 02:51	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		10/28/14 02:51	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		10/28/14 02:51	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		10/28/14 02:51	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		10/28/14 02:51	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		10/28/14 02:51	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		10/28/14 02:51	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		10/28/14 02:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		10/28/14 02:51	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		10/28/14 02:51	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		10/28/14 02:51	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/28/14 15:20	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**<0.0025**	mg/L	0.0050	0.0025	1		11/02/14 12:50	57-12-5	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-2 **Lab ID: 92222561005** Collected: 10/22/14 14:55 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 20:52	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 20:52	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 20:52	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 20:52	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 20:52	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	61	%	20-130		1	10/29/14 16:00	10/31/14 20:52	877-09-8	
Decachlorobiphenyl (S)	62	%	20-130		1	10/29/14 16:00	10/31/14 20:52	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 21:16	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 21:16	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 21:16	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 21:16	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 21:16	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 21:16	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 21:16	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	62	%	10-132		1	11/04/14 08:30	11/05/14 21:16	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 18:01	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 18:01	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 18:01	52-85-7	
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 18:01	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 18:01	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 18:01	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	99	%	34.2-122		1	10/28/14 11:00	10/29/14 18:01		

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-2 **Lab ID: 92222561005** Collected: 10/22/14 14:55 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/29/14 08:30	10/30/14 06:27	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/29/14 08:30	10/30/14 06:27	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/29/14 08:30	10/30/14 06:27	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/29/14 08:30	10/30/14 06:27	93-76-5	
2,4,5-TP (Silvex)	**<0.049**	ug/L	0.19	0.049	1	10/29/14 08:30	10/30/14 06:27	93-72-1	
Surrogates									
2,4-DCAA (S)	74	%	66-130		1	10/29/14 08:30	10/30/14 06:27	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**<3.8**	ug/L	5.0	3.8	1	10/23/14 16:00	10/24/14 04:35	7440-36-0	
Arsenic	**<2.5**	ug/L	10.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-38-2	
Barium	**12.0**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:35	7440-41-7	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	10/23/14 16:00	10/24/14 04:35	7440-43-9	
Chromium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-47-3	
Cobalt	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-48-4	
Copper	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7439-92-1	
Nickel	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:35	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/23/14 16:00	10/24/14 04:35	7440-28-0	
Tin	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-31-5	
Vanadium	**<2.5**	ug/L	5.0	2.5	1	10/23/14 16:00	10/24/14 04:35	7440-62-2	
Zinc	**<5.0**	ug/L	10.0	5.0	1	10/23/14 16:00	10/24/14 04:35	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	10/24/14 12:25	10/25/14 17:16	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.2**	ug/L	11.1	1.2	1	10/29/14 16:30	11/06/14 15:43	83-32-9	
Acenaphthylene	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	208-96-8	
Acetophenone	**<0.92**	ug/L	11.1	0.92	1	10/29/14 16:30	11/06/14 15:43	98-86-2	
2-Acetylaminofluorene	**<0.34**	ug/L	22.2	0.34	1	10/29/14 16:30	11/06/14 15:43	53-96-3	
4-Aminobiphenyl	**<0.36**	ug/L	11.1	0.36	1	10/29/14 16:30	11/06/14 15:43	92-67-1	
Aniline	**<0.89**	ug/L	11.1	0.89	1	10/29/14 16:30	11/06/14 15:43	62-53-3	
Anthracene	**<0.52**	ug/L	11.1	0.52	1	10/29/14 16:30	11/06/14 15:43	120-12-7	
Aramite	**<0.46**	ug/L	111	0.46	1	10/29/14 16:30	11/06/14 15:43	140-57-8	
Atrazine	**<0.74**	ug/L	22.2	0.74	1	10/29/14 16:30	11/06/14 15:43	1912-24-9	
Benzal chloride	**<2.0**	ug/L	55.6	2.0	1	10/29/14 16:30	11/06/14 15:43	98-87-3	
Benzaldehyde	**<5.2**	ug/L	22.2	5.2	1	10/29/14 16:30	11/06/14 15:43	100-52-7	
Benzidine	**<0.36**	ug/L	55.6	0.36	1	10/29/14 16:30	11/06/14 15:43	92-87-5	
Benzo(a)anthracene	**<0.52**	ug/L	11.1	0.52	1	10/29/14 16:30	11/06/14 15:43	56-55-3	
Benzo(a)pyrene	**<0.63**	ug/L	11.1	0.63	1	10/29/14 16:30	11/06/14 15:43	50-32-8	
Benzo(b)fluoranthene	**<0.49**	ug/L	11.1	0.49	1	10/29/14 16:30	11/06/14 15:43	205-99-2	
Benzo(g,h,i)perylene	**<0.50**	ug/L	11.1	0.50	1	10/29/14 16:30	11/06/14 15:43	191-24-2	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-2 **Lab ID: 92222561005** Collected: 10/22/14 14:55 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzo(k)fluoranthene	**<0.59**	ug/L	11.1	0.59	1	10/29/14 16:30	11/06/14 15:43	207-08-9	
Benzoic Acid	**<5.4**	ug/L	55.6	5.4	1	10/29/14 16:30	11/06/14 15:43	65-85-0	
Benzophenone	**<1.8**	ug/L	11.1	1.8	1	10/29/14 16:30	11/06/14 15:43	119-61-9	
Benzyl alcohol	**<2.3**	ug/L	22.2	2.3	1	10/29/14 16:30	11/06/14 15:43	100-51-6	
Biphenyl (Diphenyl)	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	92-52-4	
4-Bromophenylphenyl ether	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	101-55-3	
Butylbenzylphthalate	**<0.53**	ug/L	11.1	0.53	1	10/29/14 16:30	11/06/14 15:43	85-68-7	
Caprolactam	**<1.2**	ug/L	11.1	1.2	1	10/29/14 16:30	11/06/14 15:43	105-60-2	
Carbazole	**<0.59**	ug/L	11.1	0.59	1	10/29/14 16:30	11/06/14 15:43	86-74-8	
4-Chloro-3-methylphenol	**<2.2**	ug/L	22.2	2.2	1	10/29/14 16:30	11/06/14 15:43	59-50-7	
4-Chloroaniline	**<1.8**	ug/L	22.2	1.8	1	10/29/14 16:30	11/06/14 15:43	106-47-8	
Chlorobenzilate	**<0.44**	ug/L	11.1	0.44	1	10/29/14 16:30	11/06/14 15:43	510-15-6	
bis(2-Chloroethoxy)methane	**<1.4**	ug/L	11.1	1.4	1	10/29/14 16:30	11/06/14 15:43	111-91-1	
bis(2-Chloroethyl) ether	**<0.99**	ug/L	11.1	0.99	1	10/29/14 16:30	11/06/14 15:43	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.96**	ug/L	11.1	0.96	1	10/29/14 16:30	11/06/14 15:43	108-60-1	
2-Chloronaphthalene	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	91-58-7	
2-Chlorophenol	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	95-57-8	
4-Chlorophenylphenyl ether	**<1.2**	ug/L	11.1	1.2	1	10/29/14 16:30	11/06/14 15:43	7005-72-3	
Chrysene	**<0.54**	ug/L	11.1	0.54	1	10/29/14 16:30	11/06/14 15:43	218-01-9	
n-Decane	**<0.87**	ug/L	11.1	0.87	1	10/29/14 16:30	11/06/14 15:43	124-18-5	
Diallate	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	2303-16-4	
Dibenz(a,h)anthracene	**<0.54**	ug/L	11.1	0.54	1	10/29/14 16:30	11/06/14 15:43	53-70-3	
Dibenzo(a,e)pyrene	**<0.36**	ug/L	55.6	0.36	1	10/29/14 16:30	11/06/14 15:43	192-65-4	
Dibenzofuran	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.3**	ug/L	83.3	2.3	1	10/29/14 16:30	11/06/14 15:43	126-72-7	
1,2-Dichlorobenzene	**<0.79**	ug/L	11.1	0.79	1	10/29/14 16:30	11/06/14 15:43	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	11.1	0.87	1	10/29/14 16:30	11/06/14 15:43	541-73-1	
1,4-Dichlorobenzene	**<0.90**	ug/L	11.1	0.90	1	10/29/14 16:30	11/06/14 15:43	106-46-7	
3,3'-Dichlorobenzidine	**<0.77**	ug/L	22.2	0.77	1	10/29/14 16:30	11/06/14 15:43	91-94-1	
2,4-Dichlorophenol	**<0.94**	ug/L	11.1	0.94	1	10/29/14 16:30	11/06/14 15:43	120-83-2	
2,6-Dichlorophenol	**<1.9**	ug/L	11.1	1.9	1	10/29/14 16:30	11/06/14 15:43	87-65-0	
2,3-Dichloroaniline	**<1.6**	ug/L	11.1	1.6	1	10/29/14 16:30	11/06/14 15:43	99-09-2	
Diethylphthalate	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	84-66-2	
P-Dimethylaminoazobenzene	**<0.26**	ug/L	5.6	0.26	1	10/29/14 16:30	11/06/14 15:43	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.57**	ug/L	11.1	0.57	1	10/29/14 16:30	11/06/14 15:43	57-97-6	
3,3'-Dimethylbenzidine	**<0.82**	ug/L	11.1	0.82	1	10/29/14 16:30	11/06/14 15:43	119-93-7	
2,4-Dimethylphenol	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	105-67-9	
a,a-Dimethylphenylethylamine	**<1.7**	ug/L	55.6	1.7	1	10/29/14 16:30	11/06/14 15:43	122-09-8	
Dimethylphthalate	**<0.69**	ug/L	11.1	0.69	1	10/29/14 16:30	11/06/14 15:43	131-11-3	
Di-n-butylphthalate	**<0.41**	ug/L	11.1	0.41	1	10/29/14 16:30	11/06/14 15:43	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.2**	ug/L	22.2	1.2	1	10/29/14 16:30	11/06/14 15:43	534-52-1	
1,3-Dinitrobenzene	**<0.90**	ug/L	22.2	0.90	1	10/29/14 16:30	11/06/14 15:43	99-65-0	
1,4-Dinitrobenzene	**<0.69**	ug/L	22.2	0.69	1	10/29/14 16:30	11/06/14 15:43	100-25-4	
2,4-Dinitrophenol	**<2.8**	ug/L	55.6	2.8	1	10/29/14 16:30	11/06/14 15:43	51-28-5	
2,4-Dinitrotoluene	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	121-14-2	
2,6-Dinitrotoluene	**<2.3**	ug/L	11.1	2.3	1	10/29/14 16:30	11/06/14 15:43	606-20-2	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-2 **Lab ID: 92222561005** Collected: 10/22/14 14:55 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-octylphthalate	**<0.13**	ug/L	11.1	0.13	1	10/29/14 16:30	11/06/14 15:43	117-84-0	
Dinoseb	**<0.48**	ug/L	22.2	0.48	1	10/29/14 16:30	11/06/14 15:43	88-85-7	
Diphenylamine	**<0.71**	ug/L	11.1	0.71	1	10/29/14 16:30	11/06/14 15:43	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.4**	ug/L	11.1	1.4	1	10/29/14 16:30	11/06/14 15:43	101-84-8	
1,2-Diphenylhydrazine	**<0.82**	ug/L	11.1	0.82	1	10/29/14 16:30	11/06/14 15:43	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.54**	ug/L	6.7	0.54	1	10/29/14 16:30	11/06/14 15:43	117-81-7	
Ethyl methanesulfonate	**<1.4**	ug/L	22.2	1.4	1	10/29/14 16:30	11/06/14 15:43	62-50-0	
Fluoranthene	**<0.46**	ug/L	11.1	0.46	1	10/29/14 16:30	11/06/14 15:43	206-44-0	
Fluorene	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	86-73-7	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	87-68-3	
Hexachlorobenzene	**<0.84**	ug/L	11.1	0.84	1	10/29/14 16:30	11/06/14 15:43	118-74-1	
Hexachlorocyclopentadiene	**<1.2**	ug/L	11.1	1.2	1	10/29/14 16:30	11/06/14 15:43	77-47-4	
Hexachloroethane	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	67-72-1	
Hexachlorophene	**<2.1**	ug/L	111	2.1	1	10/29/14 16:30	11/06/14 15:43	70-30-4	
Hexachloropropene	**<1.6**	ug/L	11.1	1.6	1	10/29/14 16:30	11/06/14 15:43	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.59**	ug/L	11.1	0.59	1	10/29/14 16:30	11/06/14 15:43	193-39-5	
Isodrin	**<0.83**	ug/L	22.2	0.83	1	10/29/14 16:30	11/06/14 15:43	465-73-6	
Isophorone	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	78-59-1	
Isosafrole	**<1.3**	ug/L	11.1	1.3	1	10/29/14 16:30	11/06/14 15:43	120-58-1	
Kepone	**<1.8**	ug/L	11.1	1.8	1	10/29/14 16:30	11/06/14 15:43	143-50-0	
Methapyrilene	**<1.4**	ug/L	55.6	1.4	1	10/29/14 16:30	11/06/14 15:43	91-80-5	
3-Methylcholanthrene	**<0.41**	ug/L	11.1	0.41	1	10/29/14 16:30	11/06/14 15:43	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<1.0**	ug/L	55.6	1.0	1	10/29/14 16:30	11/06/14 15:43	101-14-4	
Methyl methanesulfonate	**<1.3**	ug/L	5.6	1.3	1	10/29/14 16:30	11/06/14 15:43	66-27-3	
1-Methylnaphthalene	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	90-12-0	
2-Methylnaphthalene	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	91-57-6	
2-Methyl-5-nitroaniline	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	99-55-8	
2-Methylphenol(o-Cresol)	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43		
1-Naphthalenamine	**<0.60**	ug/L	5.6	0.60	1	10/29/14 16:30	11/06/14 15:43	134-32-7	
2-Naphthalenamine	**<0.97**	ug/L	5.6	0.97	1	10/29/14 16:30	11/06/14 15:43	91-59-8	
Naphthalene	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	91-20-3	
1,4-Naphthoquinone	**<0.93**	ug/L	5.6	0.93	1	10/29/14 16:30	11/06/14 15:43	130-15-4	
2-Nitroaniline	**<1.7**	ug/L	55.6	1.7	1	10/29/14 16:30	11/06/14 15:43	88-74-4	
3-Nitroaniline	**<1.4**	ug/L	55.6	1.4	1	10/29/14 16:30	11/06/14 15:43	99-09-2	
4-Nitroaniline	**<1.8**	ug/L	22.2	1.8	1	10/29/14 16:30	11/06/14 15:43	100-01-6	
Nitrobenzene	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	98-95-3	
2-Nitrophenol	**<0.79**	ug/L	11.1	0.79	1	10/29/14 16:30	11/06/14 15:43	88-75-5	
4-Nitrophenol	**<4.3**	ug/L	55.6	4.3	1	10/29/14 16:30	11/06/14 15:43	100-02-7	
4-Nitroquinoline-n-oxide	**<2.1**	ug/L	55.6	2.1	1	10/29/14 16:30	11/06/14 15:43	56-57-5	
5-Nitro-o-toluidine	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	99-55-8	
N-Nitrosodiethylamine	**<1.0**	ug/L	22.2	1.0	1	10/29/14 16:30	11/06/14 15:43	55-18-5	
N-Nitrosodimethylamine	**<1.0**	ug/L	11.1	1.0	1	10/29/14 16:30	11/06/14 15:43	62-75-9	
N-Nitroso-di-n-butylamine	**<1.4**	ug/L	11.1	1.4	1	10/29/14 16:30	11/06/14 15:43	924-16-3	
N-Nitroso-di-n-propylamine	**<0.94**	ug/L	11.1	0.94	1	10/29/14 16:30	11/06/14 15:43	621-64-7	
N-Nitrosodiphenylamine	**<0.71**	ug/L	11.1	0.71	1	10/29/14 16:30	11/06/14 15:43	86-30-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-2 **Lab ID: 92222561005** Collected: 10/22/14 14:55 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
N-Nitrosomethylethylamine	**<0.68**	ug/L	11.1	0.68	1	10/29/14 16:30	11/06/14 15:43	10595-95-6	
N-Nitrosomorpholine	**<1.2**	ug/L	11.1	1.2	1	10/29/14 16:30	11/06/14 15:43	59-89-2	
N-Nitrosopiperidine	**<1.3**	ug/L	22.2	1.3	1	10/29/14 16:30	11/06/14 15:43	100-75-4	
N-Nitrosopyrrolidine	**<1.2**	ug/L	11.1	1.2	1	10/29/14 16:30	11/06/14 15:43	930-55-2	
n-Octadecane	**<0.84**	ug/L	11.1	0.84	1	10/29/14 16:30	11/06/14 15:43	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.6**	ug/L	11.1	1.6	1	10/29/14 16:30	11/06/14 15:43	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.62**	ug/L	11.1	0.62	1	10/29/14 16:30	11/06/14 15:43	108-60-1	
Pentachlorobenzene	**<1.7**	ug/L	11.1	1.7	1	10/29/14 16:30	11/06/14 15:43	608-93-5	
Pentachloroethane	**<1.2**	ug/L	22.2	1.2	1	10/29/14 16:30	11/06/14 15:43	76-01-7	
Pentachloronitrobenzene	**<0.88**	ug/L	22.2	0.88	1	10/29/14 16:30	11/06/14 15:43	82-68-8	
Pentachlorophenol	**<1.3**	ug/L	27.8	1.3	1	10/29/14 16:30	11/06/14 15:43	87-86-5	
Phenacetin	**<0.60**	ug/L	22.2	0.60	1	10/29/14 16:30	11/06/14 15:43	62-44-2	
Phenanthrene	**<0.59**	ug/L	11.1	0.59	1	10/29/14 16:30	11/06/14 15:43	85-01-8	
Phenol	**<1.2**	ug/L	11.1	1.2	1	10/29/14 16:30	11/06/14 15:43	108-95-2	
p-Phenylenediamine	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	106-50-3	
Phthalic anhydride	**<1.3**	ug/L	83.3	1.3	1	10/29/14 16:30	11/06/14 15:43	85-44-9	
2-Picoline	**<1.4**	ug/L	11.1	1.4	1	10/29/14 16:30	11/06/14 15:43	109-06-8	
Pronamide	**<0.64**	ug/L	11.1	0.64	1	10/29/14 16:30	11/06/14 15:43	23950-58-5	
Pyrene	**<0.54**	ug/L	11.1	0.54	1	10/29/14 16:30	11/06/14 15:43	129-00-0	
Pyridine	**<0.83**	ug/L	11.1	0.83	1	10/29/14 16:30	11/06/14 15:43	110-86-1	
Safrole	**<1.6**	ug/L	11.1	1.6	1	10/29/14 16:30	11/06/14 15:43	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<1.1**	ug/L	22.2	1.1	1	10/29/14 16:30	11/06/14 15:43	3689-24-5	
Terpineol	**<1.6**	ug/L	11.1	1.6	1	10/29/14 16:30	11/06/14 15:43	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.4**	ug/L	11.1	1.4	1	10/29/14 16:30	11/06/14 15:43	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.8**	ug/L	11.1	1.8	1	10/29/14 16:30	11/06/14 15:43	58-90-2	
Thionazin	**<0.96**	ug/L	22.2	0.96	1	10/29/14 16:30	11/06/14 15:43	297-97-2	
2,6-Toluene diisocyanate	**<0.84**	ug/L	11.1	0.84	1	10/29/14 16:30	11/06/14 15:43	91-08-7	
O-Toluidine	**<0.80**	ug/L	11.1	0.80	1	10/29/14 16:30	11/06/14 15:43	95-53-4	
1,2,4-Trichlorobenzene	**<1.4**	ug/L	11.1	1.4	1	10/29/14 16:30	11/06/14 15:43	120-82-1	
2,4,5-Trichlorophenol	**<1.1**	ug/L	11.1	1.1	1	10/29/14 16:30	11/06/14 15:43	95-95-4	
2,4,6-Trichlorophenol	**<0.94**	ug/L	11.1	0.94	1	10/29/14 16:30	11/06/14 15:43	88-06-2	
1,3,5-Trinitrobenzene	**<0.92**	ug/L	11.1	0.92	1	10/29/14 16:30	11/06/14 15:43	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	34	%	21-110		1	10/29/14 16:30	11/06/14 15:43	4165-60-0	
2-Fluorobiphenyl (S)	41	%	27-110		1	10/29/14 16:30	11/06/14 15:43	321-60-8	
Terphenyl-d14 (S)	54	%	31-107		1	10/29/14 16:30	11/06/14 15:43	1718-51-0	
Phenol-d6 (S)	13	%	10-110		1	10/29/14 16:30	11/06/14 15:43	13127-88-3	
2-Fluorophenol (S)	20	%	12-110		1	10/29/14 16:30	11/06/14 15:43	367-12-4	
2,4,6-Tribromophenol (S)	29	%	27-110		1	10/29/14 16:30	11/06/14 15:43	118-79-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		10/28/14 03:07	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		10/28/14 03:07	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		10/28/14 03:07	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		10/28/14 03:07	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		10/28/14 03:07	107-05-1	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-2 **Lab ID: 92222561005** Collected: 10/22/14 14:55 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		10/28/14 03:07	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		10/28/14 03:07	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		10/28/14 03:07	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		10/28/14 03:07	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		10/28/14 03:07	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		10/28/14 03:07	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		10/28/14 03:07	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		10/28/14 03:07	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		10/28/14 03:07	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		10/28/14 03:07	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		10/28/14 03:07	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		10/28/14 03:07	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		10/28/14 03:07	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		10/28/14 03:07	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 03:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		10/28/14 03:07	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 03:07	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 03:07	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		10/28/14 03:07	541-73-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/28/14 03:07	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		10/28/14 03:07	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		10/28/14 03:07	75-71-8	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		10/28/14 03:07	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		10/28/14 03:07	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		10/28/14 03:07	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		10/28/14 03:07	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 03:07	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		10/28/14 03:07	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		10/28/14 03:07	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		10/28/14 03:07	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		10/28/14 03:07	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		10/28/14 03:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 03:07	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		10/28/14 03:07	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		10/28/14 03:07	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		10/28/14 03:07	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		10/28/14 03:07	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		10/28/14 03:07	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		10/28/14 03:07	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		10/28/14 03:07	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		10/28/14 03:07	80-62-6	
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		10/28/14 03:07	108-10-1	
Naphthalene	**<0.24**	ug/L	1.0	0.24	1		10/28/14 03:07	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		10/28/14 03:07	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 03:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		10/28/14 03:07	630-20-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: SW-2 **Lab ID: 92222561005** Collected: 10/22/14 14:55 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		10/28/14 03:07	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		10/28/14 03:07	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		10/28/14 03:07	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/28/14 03:07	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		10/28/14 03:07	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/28/14 03:07	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/28/14 03:07	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		10/28/14 03:07	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		10/28/14 03:07	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		10/28/14 03:07	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		10/28/14 03:07	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		10/28/14 03:07	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		10/28/14 03:07	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		10/28/14 03:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/28/14 03:07	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		10/28/14 03:07	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		10/28/14 03:07	2037-26-5	
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/28/14 15:20	18496-25-8	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**<0.0025**	mg/L	0.0050	0.0025	1		11/02/14 12:51	57-12-5	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: Trip Blank **Lab ID: 92222561006** Collected: 10/22/14 00:00 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		11/03/14 13:22	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		11/03/14 13:22	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		11/03/14 13:22	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		11/03/14 13:22	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		11/03/14 13:22	107-05-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		11/03/14 13:22	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		11/03/14 13:22	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		11/03/14 13:22	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		11/03/14 13:22	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		11/03/14 13:22	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		11/03/14 13:22	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		11/03/14 13:22	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		11/03/14 13:22	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		11/03/14 13:22	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		11/03/14 13:22	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		11/03/14 13:22	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		11/03/14 13:22	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		11/03/14 13:22	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		11/03/14 13:22	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		11/03/14 13:22	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		11/03/14 13:22	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		11/03/14 13:22	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		11/03/14 13:22	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		11/03/14 13:22	541-73-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/03/14 13:22	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		11/03/14 13:22	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		11/03/14 13:22	75-71-8	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		11/03/14 13:22	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		11/03/14 13:22	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		11/03/14 13:22	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		11/03/14 13:22	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		11/03/14 13:22	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		11/03/14 13:22	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		11/03/14 13:22	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		11/03/14 13:22	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		11/03/14 13:22	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		11/03/14 13:22	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		11/03/14 13:22	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		11/03/14 13:22	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		11/03/14 13:22	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		11/03/14 13:22	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		11/03/14 13:22	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		11/03/14 13:22	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		11/03/14 13:22	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		11/03/14 13:22	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		11/03/14 13:22	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: Trip Blank **Lab ID: 92222561006** Collected: 10/22/14 00:00 Received: 10/23/14 08:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		11/03/14 13:22	108-10-1	
Naphthalene	**<0.24**	ug/L	1.0	0.24	1		11/03/14 13:22	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		11/03/14 13:22	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		11/03/14 13:22	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		11/03/14 13:22	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		11/03/14 13:22	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		11/03/14 13:22	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		11/03/14 13:22	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/03/14 13:22	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		11/03/14 13:22	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/03/14 13:22	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/03/14 13:22	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		11/03/14 13:22	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		11/03/14 13:22	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		11/03/14 13:22	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		11/03/14 13:22	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		11/03/14 13:22	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		11/03/14 13:22	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		11/03/14 13:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/03/14 13:22	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		11/03/14 13:22	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		11/03/14 13:22	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-01 **Lab ID: 92222561007** Collected: 10/23/14 12:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 AIR Headspace	Analytical Method: RSK 175								
Ethane	**<3.1**	ug/L	6.2	3.1	1		10/30/14 13:01	74-84-0	
Ethene	**<3.1**	ug/L	6.2	3.1	1		10/30/14 13:01	74-85-1	
Methane	**3320**	ug/L	6.6	3.3	1		10/30/14 13:01	74-82-8	
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 22:37	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:37	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 22:37	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 22:37	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 22:37	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	46	%	20-130		1	10/29/14 16:00	10/31/14 22:37	877-09-8	
Decachlorobiphenyl (S)	36	%	20-130		1	10/29/14 16:00	10/31/14 22:37	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:38	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:38	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:38	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:38	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:38	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:38	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:38	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	80	%	10-132		1	11/04/14 08:30	11/05/14 22:38	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 18:40	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 18:40	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 18:40	52-85-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-01 **Lab ID: 92222561007** Collected: 10/23/14 12:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 18:40	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 18:40	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 18:40	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	103	%	34.2-122		1	10/28/14 11:00	10/29/14 18:40		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/30/14 08:45	10/31/14 08:17	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/30/14 08:45	10/31/14 08:17	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/30/14 08:45	10/31/14 08:17	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/30/14 08:45	10/31/14 08:17	93-76-5	
2,4,5-TP (Silvex)	**<0.049**	ug/L	0.19	0.049	1	10/30/14 08:45	10/31/14 08:17	93-72-1	
Surrogates									
2,4-DCAA (S)	95	%	66-130		1	10/30/14 08:45	10/31/14 08:17	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**<3.8**	ug/L	5.0	3.8	1	10/27/14 15:25	10/28/14 21:12	7440-36-0	
Arsenic	**2.8J**	ug/L	10.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-38-2	
Barium	**122**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/27/14 15:25	10/28/14 21:12	7440-41-7	
Cadmium	**4.0**	ug/L	1.0	0.50	1	10/27/14 15:25	10/28/14 21:12	7440-43-9	
Chromium	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-47-3	
Cobalt	**177**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-48-4	
Copper	**12.2**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7439-92-1	
Nickel	**15.7**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/27/14 15:25	10/28/14 21:12	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/27/14 15:25	10/28/14 21:12	7440-28-0	
Tin	**3.4J**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-31-5	
Vanadium	**5.0J**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:12	7440-62-2	
Zinc	**68.9**	ug/L	10.0	5.0	1	10/27/14 15:25	10/28/14 21:12	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	10/25/14 14:30	10/27/14 12:33	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:09	83-32-9	
Acenaphthylene	**<0.99**	ug/L	10.0	0.99	1	10/30/14 17:10	11/04/14 18:09	208-96-8	
Acetophenone	**<0.83**	ug/L	10.0	0.83	1	10/30/14 17:10	11/04/14 18:09	98-86-2	
2-Acetylaminofluorene	**<0.31**	ug/L	20.0	0.31	1	10/30/14 17:10	11/04/14 18:09	53-96-3	
4-Aminobiphenyl	**<0.32**	ug/L	10.0	0.32	1	10/30/14 17:10	11/04/14 18:09	92-67-1	
Aniline	**<0.80**	ug/L	10.0	0.80	1	10/30/14 17:10	11/04/14 18:09	62-53-3	
Anthracene	**<0.47**	ug/L	10.0	0.47	1	10/30/14 17:10	11/04/14 18:09	120-12-7	
Aramite	**<0.41**	ug/L	100	0.41	1	10/30/14 17:10	11/04/14 18:09	140-57-8	
Atrazine	**<0.67**	ug/L	20.0	0.67	1	10/30/14 17:10	11/04/14 18:09	1912-24-9	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-01 **Lab ID: 92222561007** Collected: 10/23/14 12:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzal chloride	**<1.8**	ug/L	50.0	1.8	1	10/30/14 17:10	11/04/14 18:09	98-87-3	
Benzaldehyde	**<4.7**	ug/L	20.0	4.7	1	10/30/14 17:10	11/04/14 18:09	100-52-7	
Benzidine	**<0.32**	ug/L	50.0	0.32	1	10/30/14 17:10	11/04/14 18:09	92-87-5	
Benzo(a)anthracene	**<0.47**	ug/L	10.0	0.47	1	10/30/14 17:10	11/04/14 18:09	56-55-3	
Benzo(a)pyrene	**<0.57**	ug/L	10.0	0.57	1	10/30/14 17:10	11/04/14 18:09	50-32-8	
Benzo(b)fluoranthene	**<0.44**	ug/L	10.0	0.44	1	10/30/14 17:10	11/04/14 18:09	205-99-2	
Benzo(g,h,i)perylene	**<0.45**	ug/L	10.0	0.45	1	10/30/14 17:10	11/04/14 18:09	191-24-2	
Benzo(k)fluoranthene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 18:09	207-08-9	
Benzoic Acid	**<4.9**	ug/L	50.0	4.9	1	10/30/14 17:10	11/04/14 18:09	65-85-0	
Benzophenone	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 18:09	119-61-9	
Benzyl alcohol	**<2.1**	ug/L	20.0	2.1	1	10/30/14 17:10	11/04/14 18:09	100-51-6	
Biphenyl (Diphenyl)	**<0.94**	ug/L	10.0	0.94	1	10/30/14 17:10	11/04/14 18:09	92-52-4	
4-Bromophenylphenyl ether	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	101-55-3	
Butylbenzylphthalate	**<0.48**	ug/L	10.0	0.48	1	10/30/14 17:10	11/04/14 18:09	85-68-7	
Caprolactam	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:09	105-60-2	
Carbazole	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 18:09	86-74-8	
4-Chloro-3-methylphenol	**<2.0**	ug/L	20.0	2.0	1	10/30/14 17:10	11/04/14 18:09	59-50-7	
4-Chloroaniline	**<1.6**	ug/L	20.0	1.6	1	10/30/14 17:10	11/04/14 18:09	106-47-8	
Chlorobenzilate	**<0.40**	ug/L	10.0	0.40	1	10/30/14 17:10	11/04/14 18:09	510-15-6	
bis(2-Chloroethoxy)methane	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:09	111-91-1	
bis(2-Chloroethyl) ether	**<0.89**	ug/L	10.0	0.89	1	10/30/14 17:10	11/04/14 18:09	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.86**	ug/L	10.0	0.86	1	10/30/14 17:10	11/04/14 18:09	108-60-1	
2-Chloronaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	95-57-8	
4-Chlorophenylphenyl ether	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:09	7005-72-3	
Chrysene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 18:09	218-01-9	
n-Decane	**<0.78**	ug/L	10.0	0.78	1	10/30/14 17:10	11/04/14 18:09	124-18-5	
Diallate	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 18:09	2303-16-4	
Dibenz(a,h)anthracene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 18:09	53-70-3	
Dibenzo(a,e)pyrene	**<0.32**	ug/L	50.0	0.32	1	10/30/14 17:10	11/04/14 18:09	192-65-4	
Dibenzofuran	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.1**	ug/L	75.0	2.1	1	10/30/14 17:10	11/04/14 18:09	126-72-7	
1,2-Dichlorobenzene	**<0.71**	ug/L	10.0	0.71	1	10/30/14 17:10	11/04/14 18:09	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/L	10.0	0.78	1	10/30/14 17:10	11/04/14 18:09	541-73-1	
1,4-Dichlorobenzene	**3.8J**	ug/L	10.0	0.81	1	10/30/14 17:10	11/04/14 18:09	106-46-7	
3,3'-Dichlorobenzidine	**<0.69**	ug/L	20.0	0.69	1	10/30/14 17:10	11/04/14 18:09	91-94-1	
2,4-Dichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 18:09	120-83-2	
2,6-Dichlorophenol	**<1.7**	ug/L	10.0	1.7	1	10/30/14 17:10	11/04/14 18:09	87-65-0	
2,3-Dichloroaniline	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:09	99-09-2	
Diethylphthalate	**<0.91**	ug/L	10.0	0.91	1	10/30/14 17:10	11/04/14 18:09	84-66-2	
P-Dimethylaminoazobenzene	**<0.23**	ug/L	5.0	0.23	1	10/30/14 17:10	11/04/14 18:09	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.51**	ug/L	10.0	0.51	1	10/30/14 17:10	11/04/14 18:09	57-97-6	
3,3'-Dimethylbenzidine	**<0.74**	ug/L	10.0	0.74	1	10/30/14 17:10	11/04/14 18:09	119-93-7	
2,4-Dimethylphenol	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 18:09	105-67-9	
a,a-Dimethylphenylethylamine	**<1.5**	ug/L	50.0	1.5	1	10/30/14 17:10	11/04/14 18:09	122-09-8	
Dimethylphthalate	**<0.62**	ug/L	10.0	0.62	1	10/30/14 17:10	11/04/14 18:09	131-11-3	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-01 **Lab ID: 92222561007** Collected: 10/23/14 12:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-butylphthalate	**<0.37**	ug/L	10.0	0.37	1	10/30/14 17:10	11/04/14 18:09	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.1**	ug/L	20.0	1.1	1	10/30/14 17:10	11/04/14 18:09	534-52-1	
1,3-Dinitrobenzene	**<0.81**	ug/L	20.0	0.81	1	10/30/14 17:10	11/04/14 18:09	99-65-0	
1,4-Dinitrobenzene	**<0.62**	ug/L	20.0	0.62	1	10/30/14 17:10	11/04/14 18:09	100-25-4	
2,4-Dinitrophenol	**<2.5**	ug/L	50.0	2.5	1	10/30/14 17:10	11/04/14 18:09	51-28-5	
2,4-Dinitrotoluene	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 18:09	121-14-2	
2,6-Dinitrotoluene	**<2.1**	ug/L	10.0	2.1	1	10/30/14 17:10	11/04/14 18:09	606-20-2	
Di-n-octylphthalate	**<0.12**	ug/L	10.0	0.12	1	10/30/14 17:10	11/04/14 18:09	117-84-0	
Dinoseb	**<0.43**	ug/L	20.0	0.43	1	10/30/14 17:10	11/04/14 18:09	88-85-7	
Diphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/30/14 17:10	11/04/14 18:09	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:09	101-84-8	
1,2-Diphenylhydrazine	**<0.74**	ug/L	10.0	0.74	1	10/30/14 17:10	11/04/14 18:09	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.49**	ug/L	6.0	0.49	1	10/30/14 17:10	11/04/14 18:09	117-81-7	
Ethyl methanesulfonate	**<1.3**	ug/L	20.0	1.3	1	10/30/14 17:10	11/04/14 18:09	62-50-0	
Fluoranthene	**<0.41**	ug/L	10.0	0.41	1	10/30/14 17:10	11/04/14 18:09	206-44-0	
Fluorene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	86-73-7	
Hexachloro-1,3-butadiene	**<0.90**	ug/L	10.0	0.90	1	10/30/14 17:10	11/04/14 18:09	87-68-3	
Hexachlorobenzene	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 18:09	118-74-1	
Hexachlorocyclopentadiene	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:09	77-47-4	
Hexachloroethane	**<0.90**	ug/L	10.0	0.90	1	10/30/14 17:10	11/04/14 18:09	67-72-1	
Hexachlorophene	**<1.9**	ug/L	100	1.9	1	10/30/14 17:10	11/04/14 18:09	70-30-4	
Hexachloropropene	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:09	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 18:09	193-39-5	
Isodrin	**<0.75**	ug/L	20.0	0.75	1	10/30/14 17:10	11/04/14 18:09	465-73-6	
Isophorone	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 18:09	78-59-1	
Isosafrole	**<1.2**	ug/L	10.0	1.2	1	10/30/14 17:10	11/04/14 18:09	120-58-1	
Kepone	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 18:09	143-50-0	
Methapyrilene	**<1.3**	ug/L	50.0	1.3	1	10/30/14 17:10	11/04/14 18:09	91-80-5	
3-Methylcholanthrene	**<0.37**	ug/L	10.0	0.37	1	10/30/14 17:10	11/04/14 18:09	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<0.94**	ug/L	50.0	0.94	1	10/30/14 17:10	11/04/14 18:09	101-14-4	
Methyl methanesulfonate	**<1.2**	ug/L	5.0	1.2	1	10/30/14 17:10	11/04/14 18:09	66-27-3	
1-Methylnaphthalene	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 18:09	90-12-0	
2-Methylnaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	91-57-6	
2-Methyl-5-nitroaniline	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	99-55-8	
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09		
1-Naphthalenamine	**<0.54**	ug/L	5.0	0.54	1	10/30/14 17:10	11/04/14 18:09	134-32-7	
2-Naphthalenamine	**<0.87**	ug/L	5.0	0.87	1	10/30/14 17:10	11/04/14 18:09	91-59-8	
Naphthalene	**<0.93**	ug/L	10.0	0.93	1	10/30/14 17:10	11/04/14 18:09	91-20-3	
1,4-Naphthoquinone	**<0.84**	ug/L	5.0	0.84	1	10/30/14 17:10	11/04/14 18:09	130-15-4	
2-Nitroaniline	**<1.5**	ug/L	50.0	1.5	1	10/30/14 17:10	11/04/14 18:09	88-74-4	
3-Nitroaniline	**<1.3**	ug/L	50.0	1.3	1	10/30/14 17:10	11/04/14 18:09	99-09-2	
4-Nitroaniline	**<1.6**	ug/L	20.0	1.6	1	10/30/14 17:10	11/04/14 18:09	100-01-6	
Nitrobenzene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	98-95-3	
2-Nitrophenol	**<0.71**	ug/L	10.0	0.71	1	10/30/14 17:10	11/04/14 18:09	88-75-5	
4-Nitrophenol	**<3.9**	ug/L	50.0	3.9	1	10/30/14 17:10	11/04/14 18:09	100-02-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-01 **Lab ID: 92222561007** Collected: 10/23/14 12:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Nitroquinoline-n-oxide	**<1.9**	ug/L	50.0	1.9	1	10/30/14 17:10	11/04/14 18:09	56-57-5	
5-Nitro-o-toluidine	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	99-55-8	
N-Nitrosodiethylamine	**<0.91**	ug/L	20.0	0.91	1	10/30/14 17:10	11/04/14 18:09	55-18-5	
N-Nitrosodimethylamine	**<0.94**	ug/L	10.0	0.94	1	10/30/14 17:10	11/04/14 18:09	62-75-9	
N-Nitroso-di-n-butylamine	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:09	924-16-3	
N-Nitroso-di-n-propylamine	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 18:09	621-64-7	
N-Nitrosodiphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/30/14 17:10	11/04/14 18:09	86-30-6	
N-Nitrosomethylethylamine	**<0.61**	ug/L	10.0	0.61	1	10/30/14 17:10	11/04/14 18:09	10595-95-6	
N-Nitrosomorpholine	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:09	59-89-2	
N-Nitrosopiperidine	**<1.2**	ug/L	20.0	1.2	1	10/30/14 17:10	11/04/14 18:09	100-75-4	
N-Nitrosopyrrolidine	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:09	930-55-2	
n-Octadecane	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 18:09	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:09	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.56**	ug/L	10.0	0.56	1	10/30/14 17:10	11/04/14 18:09	108-60-1	
Pentachlorobenzene	**<1.5**	ug/L	10.0	1.5	1	10/30/14 17:10	11/04/14 18:09	608-93-5	
Pentachloroethane	**<1.1**	ug/L	20.0	1.1	1	10/30/14 17:10	11/04/14 18:09	76-01-7	
Pentachloronitrobenzene	**<0.79**	ug/L	20.0	0.79	1	10/30/14 17:10	11/04/14 18:09	82-68-8	
Pentachlorophenol	**<1.2**	ug/L	25.0	1.2	1	10/30/14 17:10	11/04/14 18:09	87-86-5	
Phenacetin	**<0.54**	ug/L	20.0	0.54	1	10/30/14 17:10	11/04/14 18:09	62-44-2	
Phenanthrene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 18:09	85-01-8	
Phenol	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:09	108-95-2	
p-Phenylenediamine	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 18:09	106-50-3	
Phthalic anhydride	**<1.2**	ug/L	75.0	1.2	1	10/30/14 17:10	11/04/14 18:09	85-44-9	
2-Picoline	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:09	109-06-8	
Pronamide	**<0.58**	ug/L	10.0	0.58	1	10/30/14 17:10	11/04/14 18:09	23950-58-5	
Pyrene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 18:09	129-00-0	
Pyridine	**<0.75**	ug/L	10.0	0.75	1	10/30/14 17:10	11/04/14 18:09	110-86-1	
Safrole	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:09	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<0.96**	ug/L	20.0	0.96	1	10/30/14 17:10	11/04/14 18:09	3689-24-5	
Terpineol	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:09	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:09	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 18:09	58-90-2	
Thionazin	**<0.86**	ug/L	20.0	0.86	1	10/30/14 17:10	11/04/14 18:09	297-97-2	
2,6-Toluene diisocyanate	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 18:09	91-08-7	
O-Toluidine	**<0.72**	ug/L	10.0	0.72	1	10/30/14 17:10	11/04/14 18:09	95-53-4	
1,2,4-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:09	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:09	95-95-4	
2,4,6-Trichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 18:09	88-06-2	
1,3,5-Trinitrobenzene	**<0.83**	ug/L	10.0	0.83	1	10/30/14 17:10	11/04/14 18:09	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	31	%	21-110		1	10/30/14 17:10	11/04/14 18:09	4165-60-0	
2-Fluorobiphenyl (S)	36	%	27-110		1	10/30/14 17:10	11/04/14 18:09	321-60-8	
Terphenyl-d14 (S)	72	%	31-107		1	10/30/14 17:10	11/04/14 18:09	1718-51-0	
Phenol-d6 (S)	22	%	10-110		1	10/30/14 17:10	11/04/14 18:09	13127-88-3	
2-Fluorophenol (S)	21	%	12-110		1	10/30/14 17:10	11/04/14 18:09	367-12-4	
2,4,6-Tribromophenol (S)	62	%	27-110		1	10/30/14 17:10	11/04/14 18:09	118-79-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-01 **Lab ID: 92222561007** Collected: 10/23/14 12:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		11/05/14 19:38	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		11/05/14 19:38	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		11/05/14 19:38	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		11/05/14 19:38	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		11/05/14 19:38	107-05-1	
Benzene	**2.4**	ug/L	1.0	0.25	1		11/05/14 19:38	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		11/05/14 19:38	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		11/05/14 19:38	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		11/05/14 19:38	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		11/05/14 19:38	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		11/05/14 19:38	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		11/05/14 19:38	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		11/05/14 19:38	56-23-5	
Chlorobenzene	**4.1**	ug/L	1.0	0.23	1		11/05/14 19:38	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		11/05/14 19:38	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		11/05/14 19:38	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		11/05/14 19:38	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		11/05/14 19:38	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		11/05/14 19:38	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 19:38	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		11/05/14 19:38	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 19:38	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 19:38	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 19:38	541-73-1	
1,4-Dichlorobenzene	**12.8**	ug/L	1.0	0.33	1		11/05/14 19:38	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		11/05/14 19:38	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 19:38	75-71-8	
1,1-Dichloroethane	**4.0**	ug/L	1.0	0.32	1		11/05/14 19:38	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		11/05/14 19:38	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		11/05/14 19:38	75-35-4	
cis-1,2-Dichloroethene	**7.9**	ug/L	1.0	0.19	1		11/05/14 19:38	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 19:38	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		11/05/14 19:38	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		11/05/14 19:38	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		11/05/14 19:38	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 19:38	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		11/05/14 19:38	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 19:38	10061-02-6	
Ethylbenzene	**0.48J**	ug/L	1.0	0.30	1		11/05/14 19:38	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		11/05/14 19:38	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		11/05/14 19:38	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		11/05/14 19:38	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		11/05/14 19:38	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		11/05/14 19:38	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		11/05/14 19:38	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		11/05/14 19:38	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-01 **Lab ID: 92222561007** Collected: 10/23/14 12:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		11/05/14 19:38	108-10-1	
Naphthalene	**2.2**	ug/L	1.0	0.24	1		11/05/14 19:38	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		11/05/14 19:38	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 19:38	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		11/05/14 19:38	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		11/05/14 19:38	79-34-5	
Tetrachloroethene	**0.60J**	ug/L	1.0	0.46	1		11/05/14 19:38	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 19:38	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/05/14 19:38	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		11/05/14 19:38	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/05/14 19:38	79-00-5	
Trichloroethene	**0.71J**	ug/L	1.0	0.47	1		11/05/14 19:38	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		11/05/14 19:38	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		11/05/14 19:38	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		11/05/14 19:38	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		11/05/14 19:38	75-01-4	
Xylene (Total)	**7.7**	ug/L	2.0	0.66	1		11/05/14 19:38	1330-20-7	
m&p-Xylene	**3.8**	ug/L	2.0	0.66	1		11/05/14 19:38	179601-23-1	
o-Xylene	**3.9**	ug/L	1.0	0.23	1		11/05/14 19:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/14 19:38	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		11/05/14 19:38	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		11/05/14 19:38	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**133**	mg/L	5.0	1.0	1		10/29/14 14:42		
Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**25.7**	mg/L	12.5	12.5	25		10/24/14 21:49		H1,H3, N2
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/29/14 14:30	18496-25-8	M1
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**4.9**	mg/L	2.0	2.0	1	10/24/14 15:15	10/29/14 09:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**1.6J**	mg/L	2.0	1.0	1		10/31/14 22:58	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**<0.010**	mg/L	0.020	0.010	1		10/24/14 22:47		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**1.2**	mg/L	1.0	0.50	1		11/01/14 04:49	16887-00-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-01 **Lab ID: 92222561007** Collected: 10/23/14 12:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**0.0029J**	mg/L	0.0050	0.0025	1		11/02/14 13:12	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**36.0**	mg/L	25.0	12.5	1		11/06/14 10:41		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**31.5**	mg/L	2.0	1.0	2		10/30/14 17:12	7440-44-0	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-02 **Lab ID: 92222561008** Collected: 10/23/14 10:30 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 AIR Headspace	Analytical Method: RSK 175								
Ethane	**<3.1**	ug/L	6.2	3.1	1		10/30/14 13:13	74-84-0	
Ethene	**<3.1**	ug/L	6.2	3.1	1		10/30/14 13:13	74-85-1	
Methane	**<3.3**	ug/L	6.6	3.3	1		10/30/14 13:13	74-82-8	
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 22:55	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 22:55	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 22:55	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 22:55	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 22:55	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	57	%	20-130		1	10/29/14 16:00	10/31/14 22:55	877-09-8	
Decachlorobiphenyl (S)	72	%	20-130		1	10/29/14 16:00	10/31/14 22:55	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:59	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:59	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:59	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:59	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:59	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:59	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 22:59	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	87	%	10-132		1	11/04/14 08:30	11/05/14 22:59	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 19:18	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 19:18	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 19:18	52-85-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-02 **Lab ID: 92222561008** Collected: 10/23/14 10:30 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 19:18	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 19:18	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 19:18	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	104	%	34.2-122		1	10/28/14 11:00	10/29/14 19:18		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/30/14 08:45	10/31/14 08:47	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/30/14 08:45	10/31/14 08:47	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/30/14 08:45	10/31/14 08:47	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/30/14 08:45	10/31/14 08:47	93-76-5	
2,4,5-TP (Silvex)	**<0.049**	ug/L	0.19	0.049	1	10/30/14 08:45	10/31/14 08:47	93-72-1	
Surrogates									
2,4-DCAA (S)	85	%	66-130		1	10/30/14 08:45	10/31/14 08:47	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**<3.8**	ug/L	5.0	3.8	1	10/27/14 15:25	10/28/14 21:15	7440-36-0	
Arsenic	**2.8J**	ug/L	10.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-38-2	
Barium	**52.3**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/27/14 15:25	10/28/14 21:15	7440-41-7	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	10/27/14 15:25	10/28/14 21:15	7440-43-9	
Chromium	**3.9J**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-47-3	
Cobalt	**36.2**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-48-4	
Copper	**4.6J**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7439-92-1	
Nickel	**6.3**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/27/14 15:25	10/28/14 21:15	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/27/14 15:25	10/28/14 21:15	7440-28-0	
Tin	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-31-5	
Vanadium	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:15	7440-62-2	
Zinc	**8.8J**	ug/L	10.0	5.0	1	10/27/14 15:25	10/28/14 21:15	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	10/25/14 14:30	10/27/14 12:35	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:45	83-32-9	
Acenaphthylene	**<0.99**	ug/L	10.0	0.99	1	10/30/14 17:10	11/04/14 18:45	208-96-8	
Acetophenone	**<0.83**	ug/L	10.0	0.83	1	10/30/14 17:10	11/04/14 18:45	98-86-2	
2-Acetylaminofluorene	**<0.31**	ug/L	20.0	0.31	1	10/30/14 17:10	11/04/14 18:45	53-96-3	
4-Aminobiphenyl	**<0.32**	ug/L	10.0	0.32	1	10/30/14 17:10	11/04/14 18:45	92-67-1	
Aniline	**<0.80**	ug/L	10.0	0.80	1	10/30/14 17:10	11/04/14 18:45	62-53-3	
Anthracene	**<0.47**	ug/L	10.0	0.47	1	10/30/14 17:10	11/04/14 18:45	120-12-7	
Aramite	**<0.41**	ug/L	100	0.41	1	10/30/14 17:10	11/04/14 18:45	140-57-8	
Atrazine	**<0.67**	ug/L	20.0	0.67	1	10/30/14 17:10	11/04/14 18:45	1912-24-9	

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-02 **Lab ID: 92222561008** Collected: 10/23/14 10:30 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzal chloride	**<1.8**	ug/L	50.0	1.8	1	10/30/14 17:10	11/04/14 18:45	98-87-3	
Benzaldehyde	**<4.7**	ug/L	20.0	4.7	1	10/30/14 17:10	11/04/14 18:45	100-52-7	
Benzidine	**<0.32**	ug/L	50.0	0.32	1	10/30/14 17:10	11/04/14 18:45	92-87-5	
Benzo(a)anthracene	**<0.47**	ug/L	10.0	0.47	1	10/30/14 17:10	11/04/14 18:45	56-55-3	
Benzo(a)pyrene	**<0.57**	ug/L	10.0	0.57	1	10/30/14 17:10	11/04/14 18:45	50-32-8	
Benzo(b)fluoranthene	**<0.44**	ug/L	10.0	0.44	1	10/30/14 17:10	11/04/14 18:45	205-99-2	
Benzo(g,h,i)perylene	**<0.45**	ug/L	10.0	0.45	1	10/30/14 17:10	11/04/14 18:45	191-24-2	
Benzo(k)fluoranthene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 18:45	207-08-9	
Benzoic Acid	**<4.9**	ug/L	50.0	4.9	1	10/30/14 17:10	11/04/14 18:45	65-85-0	
Benzophenone	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 18:45	119-61-9	
Benzyl alcohol	**<2.1**	ug/L	20.0	2.1	1	10/30/14 17:10	11/04/14 18:45	100-51-6	
Biphenyl (Diphenyl)	**<0.94**	ug/L	10.0	0.94	1	10/30/14 17:10	11/04/14 18:45	92-52-4	
4-Bromophenylphenyl ether	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	101-55-3	
Butylbenzylphthalate	**<0.48**	ug/L	10.0	0.48	1	10/30/14 17:10	11/04/14 18:45	85-68-7	
Caprolactam	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:45	105-60-2	
Carbazole	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 18:45	86-74-8	
4-Chloro-3-methylphenol	**<2.0**	ug/L	20.0	2.0	1	10/30/14 17:10	11/04/14 18:45	59-50-7	
4-Chloroaniline	**<1.6**	ug/L	20.0	1.6	1	10/30/14 17:10	11/04/14 18:45	106-47-8	
Chlorobenzilate	**<0.40**	ug/L	10.0	0.40	1	10/30/14 17:10	11/04/14 18:45	510-15-6	
bis(2-Chloroethoxy)methane	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:45	111-91-1	
bis(2-Chloroethyl) ether	**<0.89**	ug/L	10.0	0.89	1	10/30/14 17:10	11/04/14 18:45	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.86**	ug/L	10.0	0.86	1	10/30/14 17:10	11/04/14 18:45	108-60-1	
2-Chloronaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	95-57-8	
4-Chlorophenylphenyl ether	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:45	7005-72-3	
Chrysene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 18:45	218-01-9	
n-Decane	**<0.78**	ug/L	10.0	0.78	1	10/30/14 17:10	11/04/14 18:45	124-18-5	
Diallate	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 18:45	2303-16-4	
Dibenz(a,h)anthracene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 18:45	53-70-3	
Dibenzo(a,e)pyrene	**<0.32**	ug/L	50.0	0.32	1	10/30/14 17:10	11/04/14 18:45	192-65-4	
Dibenzofuran	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.1**	ug/L	75.0	2.1	1	10/30/14 17:10	11/04/14 18:45	126-72-7	
1,2-Dichlorobenzene	**<0.71**	ug/L	10.0	0.71	1	10/30/14 17:10	11/04/14 18:45	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/L	10.0	0.78	1	10/30/14 17:10	11/04/14 18:45	541-73-1	
1,4-Dichlorobenzene	**1.6J**	ug/L	10.0	0.81	1	10/30/14 17:10	11/04/14 18:45	106-46-7	
3,3'-Dichlorobenzidine	**<0.69**	ug/L	20.0	0.69	1	10/30/14 17:10	11/04/14 18:45	91-94-1	
2,4-Dichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 18:45	120-83-2	
2,6-Dichlorophenol	**<1.7**	ug/L	10.0	1.7	1	10/30/14 17:10	11/04/14 18:45	87-65-0	
2,3-Dichloroaniline	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:45	99-09-2	
Diethylphthalate	**<0.91**	ug/L	10.0	0.91	1	10/30/14 17:10	11/04/14 18:45	84-66-2	
P-Dimethylaminoazobenzene	**<0.23**	ug/L	5.0	0.23	1	10/30/14 17:10	11/04/14 18:45	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.51**	ug/L	10.0	0.51	1	10/30/14 17:10	11/04/14 18:45	57-97-6	
3,3'-Dimethylbenzidine	**<0.74**	ug/L	10.0	0.74	1	10/30/14 17:10	11/04/14 18:45	119-93-7	
2,4-Dimethylphenol	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 18:45	105-67-9	
a,a-Dimethylphenylethylamine	**<1.5**	ug/L	50.0	1.5	1	10/30/14 17:10	11/04/14 18:45	122-09-8	
Dimethylphthalate	**<0.62**	ug/L	10.0	0.62	1	10/30/14 17:10	11/04/14 18:45	131-11-3	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-02 **Lab ID: 92222561008** Collected: 10/23/14 10:30 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-butylphthalate	**<0.37**	ug/L	10.0	0.37	1	10/30/14 17:10	11/04/14 18:45	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.1**	ug/L	20.0	1.1	1	10/30/14 17:10	11/04/14 18:45	534-52-1	
1,3-Dinitrobenzene	**<0.81**	ug/L	20.0	0.81	1	10/30/14 17:10	11/04/14 18:45	99-65-0	
1,4-Dinitrobenzene	**<0.62**	ug/L	20.0	0.62	1	10/30/14 17:10	11/04/14 18:45	100-25-4	
2,4-Dinitrophenol	**<2.5**	ug/L	50.0	2.5	1	10/30/14 17:10	11/04/14 18:45	51-28-5	
2,4-Dinitrotoluene	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 18:45	121-14-2	
2,6-Dinitrotoluene	**<2.1**	ug/L	10.0	2.1	1	10/30/14 17:10	11/04/14 18:45	606-20-2	
Di-n-octylphthalate	**<0.12**	ug/L	10.0	0.12	1	10/30/14 17:10	11/04/14 18:45	117-84-0	
Dinoseb	**<0.43**	ug/L	20.0	0.43	1	10/30/14 17:10	11/04/14 18:45	88-85-7	
Diphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/30/14 17:10	11/04/14 18:45	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:45	101-84-8	
1,2-Diphenylhydrazine	**<0.74**	ug/L	10.0	0.74	1	10/30/14 17:10	11/04/14 18:45	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.49**	ug/L	6.0	0.49	1	10/30/14 17:10	11/04/14 18:45	117-81-7	
Ethyl methanesulfonate	**<1.3**	ug/L	20.0	1.3	1	10/30/14 17:10	11/04/14 18:45	62-50-0	
Fluoranthene	**<0.41**	ug/L	10.0	0.41	1	10/30/14 17:10	11/04/14 18:45	206-44-0	
Fluorene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	86-73-7	
Hexachloro-1,3-butadiene	**<0.90**	ug/L	10.0	0.90	1	10/30/14 17:10	11/04/14 18:45	87-68-3	
Hexachlorobenzene	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 18:45	118-74-1	
Hexachlorocyclopentadiene	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:45	77-47-4	
Hexachloroethane	**<0.90**	ug/L	10.0	0.90	1	10/30/14 17:10	11/04/14 18:45	67-72-1	
Hexachlorophene	**<1.9**	ug/L	100	1.9	1	10/30/14 17:10	11/04/14 18:45	70-30-4	
Hexachloropropene	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:45	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 18:45	193-39-5	
Isodrin	**<0.75**	ug/L	20.0	0.75	1	10/30/14 17:10	11/04/14 18:45	465-73-6	
Isophorone	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 18:45	78-59-1	
Isosafrole	**<1.2**	ug/L	10.0	1.2	1	10/30/14 17:10	11/04/14 18:45	120-58-1	
Kepone	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 18:45	143-50-0	
Methapyrilene	**<1.3**	ug/L	50.0	1.3	1	10/30/14 17:10	11/04/14 18:45	91-80-5	
3-Methylcholanthrene	**<0.37**	ug/L	10.0	0.37	1	10/30/14 17:10	11/04/14 18:45	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<0.94**	ug/L	50.0	0.94	1	10/30/14 17:10	11/04/14 18:45	101-14-4	
Methyl methanesulfonate	**<1.2**	ug/L	5.0	1.2	1	10/30/14 17:10	11/04/14 18:45	66-27-3	
1-Methylnaphthalene	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 18:45	90-12-0	
2-Methylnaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	91-57-6	
2-Methyl-5-nitroaniline	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	99-55-8	
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45		
1-Naphthalenamine	**<0.54**	ug/L	5.0	0.54	1	10/30/14 17:10	11/04/14 18:45	134-32-7	
2-Naphthalenamine	**<0.87**	ug/L	5.0	0.87	1	10/30/14 17:10	11/04/14 18:45	91-59-8	
Naphthalene	**<0.93**	ug/L	10.0	0.93	1	10/30/14 17:10	11/04/14 18:45	91-20-3	
1,4-Naphthoquinone	**<0.84**	ug/L	5.0	0.84	1	10/30/14 17:10	11/04/14 18:45	130-15-4	
2-Nitroaniline	**<1.5**	ug/L	50.0	1.5	1	10/30/14 17:10	11/04/14 18:45	88-74-4	
3-Nitroaniline	**<1.3**	ug/L	50.0	1.3	1	10/30/14 17:10	11/04/14 18:45	99-09-2	
4-Nitroaniline	**<1.6**	ug/L	20.0	1.6	1	10/30/14 17:10	11/04/14 18:45	100-01-6	
Nitrobenzene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	98-95-3	
2-Nitrophenol	**<0.71**	ug/L	10.0	0.71	1	10/30/14 17:10	11/04/14 18:45	88-75-5	
4-Nitrophenol	**<3.9**	ug/L	50.0	3.9	1	10/30/14 17:10	11/04/14 18:45	100-02-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-02 **Lab ID: 92222561008** Collected: 10/23/14 10:30 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Nitroquinoline-n-oxide	**<1.9**	ug/L	50.0	1.9	1	10/30/14 17:10	11/04/14 18:45	56-57-5	
5-Nitro-o-toluidine	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	99-55-8	
N-Nitrosodiethylamine	**<0.91**	ug/L	20.0	0.91	1	10/30/14 17:10	11/04/14 18:45	55-18-5	
N-Nitrosodimethylamine	**<0.94**	ug/L	10.0	0.94	1	10/30/14 17:10	11/04/14 18:45	62-75-9	
N-Nitroso-di-n-butylamine	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:45	924-16-3	
N-Nitroso-di-n-propylamine	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 18:45	621-64-7	
N-Nitrosodiphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/30/14 17:10	11/04/14 18:45	86-30-6	
N-Nitrosomethylethylamine	**<0.61**	ug/L	10.0	0.61	1	10/30/14 17:10	11/04/14 18:45	10595-95-6	
N-Nitrosomorpholine	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:45	59-89-2	
N-Nitrosopiperidine	**<1.2**	ug/L	20.0	1.2	1	10/30/14 17:10	11/04/14 18:45	100-75-4	
N-Nitrosopyrrolidine	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:45	930-55-2	
n-Octadecane	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 18:45	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:45	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.56**	ug/L	10.0	0.56	1	10/30/14 17:10	11/04/14 18:45	108-60-1	
Pentachlorobenzene	**<1.5**	ug/L	10.0	1.5	1	10/30/14 17:10	11/04/14 18:45	608-93-5	
Pentachloroethane	**<1.1**	ug/L	20.0	1.1	1	10/30/14 17:10	11/04/14 18:45	76-01-7	
Pentachloronitrobenzene	**<0.79**	ug/L	20.0	0.79	1	10/30/14 17:10	11/04/14 18:45	82-68-8	
Pentachlorophenol	**<1.2**	ug/L	25.0	1.2	1	10/30/14 17:10	11/04/14 18:45	87-86-5	
Phenacetin	**<0.54**	ug/L	20.0	0.54	1	10/30/14 17:10	11/04/14 18:45	62-44-2	
Phenanthrene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 18:45	85-01-8	
Phenol	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 18:45	108-95-2	
p-Phenylenediamine	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 18:45	106-50-3	
Phthalic anhydride	**<1.2**	ug/L	75.0	1.2	1	10/30/14 17:10	11/04/14 18:45	85-44-9	
2-Picoline	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:45	109-06-8	
Pronamide	**<0.58**	ug/L	10.0	0.58	1	10/30/14 17:10	11/04/14 18:45	23950-58-5	
Pyrene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 18:45	129-00-0	
Pyridine	**<0.75**	ug/L	10.0	0.75	1	10/30/14 17:10	11/04/14 18:45	110-86-1	
Safrole	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:45	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<0.96**	ug/L	20.0	0.96	1	10/30/14 17:10	11/04/14 18:45	3689-24-5	
Terpineol	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 18:45	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:45	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 18:45	58-90-2	
Thionazin	**<0.86**	ug/L	20.0	0.86	1	10/30/14 17:10	11/04/14 18:45	297-97-2	
2,6-Toluene diisocyanate	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 18:45	91-08-7	
O-Toluidine	**<0.72**	ug/L	10.0	0.72	1	10/30/14 17:10	11/04/14 18:45	95-53-4	
1,2,4-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 18:45	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 18:45	95-95-4	
2,4,6-Trichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 18:45	88-06-2	
1,3,5-Trinitrobenzene	**<0.83**	ug/L	10.0	0.83	1	10/30/14 17:10	11/04/14 18:45	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	54	%	21-110		1	10/30/14 17:10	11/04/14 18:45	4165-60-0	
2-Fluorobiphenyl (S)	61	%	27-110		1	10/30/14 17:10	11/04/14 18:45	321-60-8	
Terphenyl-d14 (S)	75	%	31-107		1	10/30/14 17:10	11/04/14 18:45	1718-51-0	
Phenol-d6 (S)	21	%	10-110		1	10/30/14 17:10	11/04/14 18:45	13127-88-3	
2-Fluorophenol (S)	24	%	12-110		1	10/30/14 17:10	11/04/14 18:45	367-12-4	
2,4,6-Tribromophenol (S)	50	%	27-110		1	10/30/14 17:10	11/04/14 18:45	118-79-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-02 **Lab ID: 92222561008** Collected: 10/23/14 10:30 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		11/05/14 22:54	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		11/05/14 22:54	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		11/05/14 22:54	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		11/05/14 22:54	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		11/05/14 22:54	107-05-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		11/05/14 22:54	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		11/05/14 22:54	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		11/05/14 22:54	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		11/05/14 22:54	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		11/05/14 22:54	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		11/05/14 22:54	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		11/05/14 22:54	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		11/05/14 22:54	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		11/05/14 22:54	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		11/05/14 22:54	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		11/05/14 22:54	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		11/05/14 22:54	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		11/05/14 22:54	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		11/05/14 22:54	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 22:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		11/05/14 22:54	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 22:54	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 22:54	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 22:54	541-73-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/05/14 22:54	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		11/05/14 22:54	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 22:54	75-71-8	
1,1-Dichloroethane	**0.39J**	ug/L	1.0	0.32	1		11/05/14 22:54	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		11/05/14 22:54	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		11/05/14 22:54	75-35-4	
cis-1,2-Dichloroethene	**0.71J**	ug/L	1.0	0.19	1		11/05/14 22:54	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 22:54	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		11/05/14 22:54	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		11/05/14 22:54	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		11/05/14 22:54	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 22:54	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		11/05/14 22:54	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 22:54	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 22:54	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		11/05/14 22:54	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		11/05/14 22:54	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		11/05/14 22:54	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		11/05/14 22:54	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		11/05/14 22:54	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		11/05/14 22:54	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		11/05/14 22:54	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-02 **Lab ID: 92222561008** Collected: 10/23/14 10:30 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		11/05/14 22:54	108-10-1	
Naphthalene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 22:54	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		11/05/14 22:54	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 22:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		11/05/14 22:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		11/05/14 22:54	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		11/05/14 22:54	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 22:54	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/05/14 22:54	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		11/05/14 22:54	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/05/14 22:54	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/05/14 22:54	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		11/05/14 22:54	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		11/05/14 22:54	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		11/05/14 22:54	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		11/05/14 22:54	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		11/05/14 22:54	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		11/05/14 22:54	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		11/05/14 22:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/14 22:54	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		11/05/14 22:54	17060-07-0	
Toluene-d8 (S)	115	%	70-130		1		11/05/14 22:54	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**26.0**	mg/L	5.0	1.0	1		10/29/14 14:54		
Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**<0.50**	mg/L	0.50	0.50	1		10/24/14 20:53		H3,N2
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/29/14 14:30	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**4.3**	mg/L	2.0	2.0	1	10/24/14 15:15	10/29/14 09:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**4.6**	mg/L	2.0	1.0	1		10/31/14 23:12	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.18**	mg/L	0.020	0.010	1		10/24/14 22:36		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**15.5**	mg/L	1.0	0.50	1		11/01/14 04:49	16887-00-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-02 **Lab ID: 92222561008** Collected: 10/23/14 10:30 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**<0.0025**	mg/L	0.0050	0.0025	1		11/02/14 13:12	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**45.0**	mg/L	25.0	12.5	1		11/06/14 10:41		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**16.2**	mg/L	1.0	0.50	1		10/30/14 14:04	7440-44-0	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-05R **Lab ID: 92222561009** Collected: 10/23/14 09:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 AIR Headspace	Analytical Method: RSK 175								
Ethane	**<3.1**	ug/L	6.2	3.1	1		10/30/14 13:24	74-84-0	
Ethene	**<3.1**	ug/L	6.2	3.1	1		10/30/14 13:24	74-85-1	
Methane	**2210**	ug/L	6.6	3.3	1		10/30/14 13:24	74-82-8	
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 23:12	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:12	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 23:12	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 23:12	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 23:12	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	52	%	20-130		1	10/29/14 16:00	10/31/14 23:12	877-09-8	
Decachlorobiphenyl (S)	64	%	20-130		1	10/29/14 16:00	10/31/14 23:12	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:19	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:19	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:19	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:19	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:19	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:19	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:19	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	43	%	10-132		1	11/04/14 08:30	11/05/14 23:19	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 19:57	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 19:57	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 19:57	52-85-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-05R **Lab ID: 92222561009** Collected: 10/23/14 09:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 19:57	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 19:57	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 19:57	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	67	%	34.2-122		1	10/28/14 11:00	10/29/14 19:57		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/30/14 08:45	10/31/14 09:18	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/30/14 08:45	10/31/14 09:18	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/30/14 08:45	10/31/14 09:18	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/30/14 08:45	10/31/14 09:18	93-76-5	
2,4,5-TP (Silvex)	**<0.049**	ug/L	0.19	0.049	1	10/30/14 08:45	10/31/14 09:18	93-72-1	
Surrogates									
2,4-DCAA (S)	81	%	66-130		1	10/30/14 08:45	10/31/14 09:18	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**<3.8**	ug/L	5.0	3.8	1	10/27/14 15:25	10/28/14 21:18	7440-36-0	
Arsenic	**3.3J**	ug/L	10.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-38-2	
Barium	**75.8**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/27/14 15:25	10/28/14 21:18	7440-41-7	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	10/27/14 15:25	10/28/14 21:18	7440-43-9	
Chromium	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-47-3	
Cobalt	**9.7**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-48-4	
Copper	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7439-92-1	
Nickel	**4.8J**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/27/14 15:25	10/28/14 21:18	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/27/14 15:25	10/28/14 21:18	7440-28-0	
Tin	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-31-5	
Vanadium	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:18	7440-62-2	
Zinc	**<5.0**	ug/L	10.0	5.0	1	10/27/14 15:25	10/28/14 21:18	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	10/25/14 14:30	10/27/14 12:38	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 19:22	83-32-9	
Acenaphthylene	**<0.99**	ug/L	10.0	0.99	1	10/30/14 17:10	11/04/14 19:22	208-96-8	
Acetophenone	**<0.83**	ug/L	10.0	0.83	1	10/30/14 17:10	11/04/14 19:22	98-86-2	
2-Acetylaminofluorene	**<0.31**	ug/L	20.0	0.31	1	10/30/14 17:10	11/04/14 19:22	53-96-3	
4-Aminobiphenyl	**<0.32**	ug/L	10.0	0.32	1	10/30/14 17:10	11/04/14 19:22	92-67-1	
Aniline	**<0.80**	ug/L	10.0	0.80	1	10/30/14 17:10	11/04/14 19:22	62-53-3	
Anthracene	**<0.47**	ug/L	10.0	0.47	1	10/30/14 17:10	11/04/14 19:22	120-12-7	
Aramite	**<0.41**	ug/L	100	0.41	1	10/30/14 17:10	11/04/14 19:22	140-57-8	
Atrazine	**<0.67**	ug/L	20.0	0.67	1	10/30/14 17:10	11/04/14 19:22	1912-24-9	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-05R **Lab ID: 92222561009** Collected: 10/23/14 09:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzal chloride	**<1.8**	ug/L	50.0	1.8	1	10/30/14 17:10	11/04/14 19:22	98-87-3	
Benzaldehyde	**<4.7**	ug/L	20.0	4.7	1	10/30/14 17:10	11/04/14 19:22	100-52-7	
Benzidine	**<0.32**	ug/L	50.0	0.32	1	10/30/14 17:10	11/04/14 19:22	92-87-5	
Benzo(a)anthracene	**<0.47**	ug/L	10.0	0.47	1	10/30/14 17:10	11/04/14 19:22	56-55-3	
Benzo(a)pyrene	**<0.57**	ug/L	10.0	0.57	1	10/30/14 17:10	11/04/14 19:22	50-32-8	
Benzo(b)fluoranthene	**<0.44**	ug/L	10.0	0.44	1	10/30/14 17:10	11/04/14 19:22	205-99-2	
Benzo(g,h,i)perylene	**<0.45**	ug/L	10.0	0.45	1	10/30/14 17:10	11/04/14 19:22	191-24-2	
Benzo(k)fluoranthene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 19:22	207-08-9	
Benzoic Acid	**<4.9**	ug/L	50.0	4.9	1	10/30/14 17:10	11/04/14 19:22	65-85-0	
Benzophenone	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 19:22	119-61-9	
Benzyl alcohol	**<2.1**	ug/L	20.0	2.1	1	10/30/14 17:10	11/04/14 19:22	100-51-6	
Biphenyl (Diphenyl)	**<0.94**	ug/L	10.0	0.94	1	10/30/14 17:10	11/04/14 19:22	92-52-4	
4-Bromophenylphenyl ether	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	101-55-3	
Butylbenzylphthalate	**<0.48**	ug/L	10.0	0.48	1	10/30/14 17:10	11/04/14 19:22	85-68-7	
Caprolactam	**85.4**	ug/L	20.0	2.2	2	10/30/14 17:10	11/05/14 17:52	105-60-2	
Carbazole	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 19:22	86-74-8	
4-Chloro-3-methylphenol	**<2.0**	ug/L	20.0	2.0	1	10/30/14 17:10	11/04/14 19:22	59-50-7	
4-Chloroaniline	**<1.6**	ug/L	20.0	1.6	1	10/30/14 17:10	11/04/14 19:22	106-47-8	
Chlorobenzilate	**<0.40**	ug/L	10.0	0.40	1	10/30/14 17:10	11/04/14 19:22	510-15-6	
bis(2-Chloroethoxy)methane	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 19:22	111-91-1	
bis(2-Chloroethyl) ether	**<0.89**	ug/L	10.0	0.89	1	10/30/14 17:10	11/04/14 19:22	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.86**	ug/L	10.0	0.86	1	10/30/14 17:10	11/04/14 19:22	108-60-1	
2-Chloronaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	95-57-8	
4-Chlorophenylphenyl ether	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 19:22	7005-72-3	
Chrysene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 19:22	218-01-9	
n-Decane	**<0.78**	ug/L	10.0	0.78	1	10/30/14 17:10	11/04/14 19:22	124-18-5	
Diallate	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 19:22	2303-16-4	
Dibenz(a,h)anthracene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 19:22	53-70-3	
Dibenzo(a,e)pyrene	**<0.32**	ug/L	50.0	0.32	1	10/30/14 17:10	11/04/14 19:22	192-65-4	
Dibenzofuran	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.1**	ug/L	75.0	2.1	1	10/30/14 17:10	11/04/14 19:22	126-72-7	
1,2-Dichlorobenzene	**<0.71**	ug/L	10.0	0.71	1	10/30/14 17:10	11/04/14 19:22	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/L	10.0	0.78	1	10/30/14 17:10	11/04/14 19:22	541-73-1	
1,4-Dichlorobenzene	**3.0J**	ug/L	10.0	0.81	1	10/30/14 17:10	11/04/14 19:22	106-46-7	
3,3'-Dichlorobenzidine	**<0.69**	ug/L	20.0	0.69	1	10/30/14 17:10	11/04/14 19:22	91-94-1	
2,4-Dichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 19:22	120-83-2	
2,6-Dichlorophenol	**<1.7**	ug/L	10.0	1.7	1	10/30/14 17:10	11/04/14 19:22	87-65-0	
2,3-Dichloroaniline	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 19:22	99-09-2	
Diethylphthalate	**<0.91**	ug/L	10.0	0.91	1	10/30/14 17:10	11/04/14 19:22	84-66-2	
P-Dimethylaminoazobenzene	**<0.23**	ug/L	5.0	0.23	1	10/30/14 17:10	11/04/14 19:22	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.51**	ug/L	10.0	0.51	1	10/30/14 17:10	11/04/14 19:22	57-97-6	
3,3'-Dimethylbenzidine	**<0.74**	ug/L	10.0	0.74	1	10/30/14 17:10	11/04/14 19:22	119-93-7	
2,4-Dimethylphenol	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 19:22	105-67-9	
a,a-Dimethylphenylethylamine	**<1.5**	ug/L	50.0	1.5	1	10/30/14 17:10	11/04/14 19:22	122-09-8	
Dimethylphthalate	**<0.62**	ug/L	10.0	0.62	1	10/30/14 17:10	11/04/14 19:22	131-11-3	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-05R **Lab ID: 92222561009** Collected: 10/23/14 09:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-butylphthalate	**<0.37**	ug/L	10.0	0.37	1	10/30/14 17:10	11/04/14 19:22	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.1**	ug/L	20.0	1.1	1	10/30/14 17:10	11/04/14 19:22	534-52-1	
1,3-Dinitrobenzene	**<0.81**	ug/L	20.0	0.81	1	10/30/14 17:10	11/04/14 19:22	99-65-0	
1,4-Dinitrobenzene	**<0.62**	ug/L	20.0	0.62	1	10/30/14 17:10	11/04/14 19:22	100-25-4	
2,4-Dinitrophenol	**<2.5**	ug/L	50.0	2.5	1	10/30/14 17:10	11/04/14 19:22	51-28-5	
2,4-Dinitrotoluene	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 19:22	121-14-2	
2,6-Dinitrotoluene	**<2.1**	ug/L	10.0	2.1	1	10/30/14 17:10	11/04/14 19:22	606-20-2	
Di-n-octylphthalate	**<0.12**	ug/L	10.0	0.12	1	10/30/14 17:10	11/04/14 19:22	117-84-0	
Dinoseb	**<0.43**	ug/L	20.0	0.43	1	10/30/14 17:10	11/04/14 19:22	88-85-7	
Diphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/30/14 17:10	11/04/14 19:22	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 19:22	101-84-8	
1,2-Diphenylhydrazine	**<0.74**	ug/L	10.0	0.74	1	10/30/14 17:10	11/04/14 19:22	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.49**	ug/L	6.0	0.49	1	10/30/14 17:10	11/04/14 19:22	117-81-7	
Ethyl methanesulfonate	**<1.3**	ug/L	20.0	1.3	1	10/30/14 17:10	11/04/14 19:22	62-50-0	
Fluoranthene	**<0.41**	ug/L	10.0	0.41	1	10/30/14 17:10	11/04/14 19:22	206-44-0	
Fluorene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	86-73-7	
Hexachloro-1,3-butadiene	**<0.90**	ug/L	10.0	0.90	1	10/30/14 17:10	11/04/14 19:22	87-68-3	
Hexachlorobenzene	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 19:22	118-74-1	
Hexachlorocyclopentadiene	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 19:22	77-47-4	
Hexachloroethane	**<0.90**	ug/L	10.0	0.90	1	10/30/14 17:10	11/04/14 19:22	67-72-1	
Hexachlorophene	**<1.9**	ug/L	100	1.9	1	10/30/14 17:10	11/04/14 19:22	70-30-4	
Hexachloropropene	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 19:22	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 19:22	193-39-5	
Isodrin	**<0.75**	ug/L	20.0	0.75	1	10/30/14 17:10	11/04/14 19:22	465-73-6	
Isophorone	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 19:22	78-59-1	
Isosafrole	**<1.2**	ug/L	10.0	1.2	1	10/30/14 17:10	11/04/14 19:22	120-58-1	
Kepone	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 19:22	143-50-0	
Methapyrilene	**<1.3**	ug/L	50.0	1.3	1	10/30/14 17:10	11/04/14 19:22	91-80-5	
3-Methylcholanthrene	**<0.37**	ug/L	10.0	0.37	1	10/30/14 17:10	11/04/14 19:22	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<0.94**	ug/L	50.0	0.94	1	10/30/14 17:10	11/04/14 19:22	101-14-4	
Methyl methanesulfonate	**<1.2**	ug/L	5.0	1.2	1	10/30/14 17:10	11/04/14 19:22	66-27-3	
1-Methylnaphthalene	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 19:22	90-12-0	
2-Methylnaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	91-57-6	
2-Methyl-5-nitroaniline	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	99-55-8	
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22		
1-Naphthalenamine	**<0.54**	ug/L	5.0	0.54	1	10/30/14 17:10	11/04/14 19:22	134-32-7	
2-Naphthalenamine	**<0.87**	ug/L	5.0	0.87	1	10/30/14 17:10	11/04/14 19:22	91-59-8	
Naphthalene	**<0.93**	ug/L	10.0	0.93	1	10/30/14 17:10	11/04/14 19:22	91-20-3	
1,4-Naphthoquinone	**<0.84**	ug/L	5.0	0.84	1	10/30/14 17:10	11/04/14 19:22	130-15-4	
2-Nitroaniline	**<1.5**	ug/L	50.0	1.5	1	10/30/14 17:10	11/04/14 19:22	88-74-4	
3-Nitroaniline	**<1.3**	ug/L	50.0	1.3	1	10/30/14 17:10	11/04/14 19:22	99-09-2	
4-Nitroaniline	**<1.6**	ug/L	20.0	1.6	1	10/30/14 17:10	11/04/14 19:22	100-01-6	
Nitrobenzene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	98-95-3	
2-Nitrophenol	**<0.71**	ug/L	10.0	0.71	1	10/30/14 17:10	11/04/14 19:22	88-75-5	
4-Nitrophenol	**<3.9**	ug/L	50.0	3.9	1	10/30/14 17:10	11/04/14 19:22	100-02-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-05R **Lab ID: 92222561009** Collected: 10/23/14 09:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Nitroquinoline-n-oxide	**<1.9**	ug/L	50.0	1.9	1	10/30/14 17:10	11/04/14 19:22	56-57-5	
5-Nitro-o-toluidine	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	99-55-8	
N-Nitrosodiethylamine	**<0.91**	ug/L	20.0	0.91	1	10/30/14 17:10	11/04/14 19:22	55-18-5	
N-Nitrosodimethylamine	**<0.94**	ug/L	10.0	0.94	1	10/30/14 17:10	11/04/14 19:22	62-75-9	
N-Nitroso-di-n-butylamine	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 19:22	924-16-3	
N-Nitroso-di-n-propylamine	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 19:22	621-64-7	
N-Nitrosodiphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/30/14 17:10	11/04/14 19:22	86-30-6	
N-Nitrosomethylethylamine	**<0.61**	ug/L	10.0	0.61	1	10/30/14 17:10	11/04/14 19:22	10595-95-6	
N-Nitrosomorpholine	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 19:22	59-89-2	
N-Nitrosopiperidine	**<1.2**	ug/L	20.0	1.2	1	10/30/14 17:10	11/04/14 19:22	100-75-4	
N-Nitrosopyrrolidine	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 19:22	930-55-2	
n-Octadecane	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 19:22	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 19:22	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.56**	ug/L	10.0	0.56	1	10/30/14 17:10	11/04/14 19:22	108-60-1	
Pentachlorobenzene	**<1.5**	ug/L	10.0	1.5	1	10/30/14 17:10	11/04/14 19:22	608-93-5	
Pentachloroethane	**<1.1**	ug/L	20.0	1.1	1	10/30/14 17:10	11/04/14 19:22	76-01-7	
Pentachloronitrobenzene	**<0.79**	ug/L	20.0	0.79	1	10/30/14 17:10	11/04/14 19:22	82-68-8	
Pentachlorophenol	**<1.2**	ug/L	25.0	1.2	1	10/30/14 17:10	11/04/14 19:22	87-86-5	
Phenacetin	**<0.54**	ug/L	20.0	0.54	1	10/30/14 17:10	11/04/14 19:22	62-44-2	
Phenanthrene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 19:22	85-01-8	
Phenol	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 19:22	108-95-2	
p-Phenylenediamine	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 19:22	106-50-3	
Phthalic anhydride	**<1.2**	ug/L	75.0	1.2	1	10/30/14 17:10	11/04/14 19:22	85-44-9	
2-Picoline	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 19:22	109-06-8	
Pronamide	**<0.58**	ug/L	10.0	0.58	1	10/30/14 17:10	11/04/14 19:22	23950-58-5	
Pyrene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 19:22	129-00-0	
Pyridine	**<0.75**	ug/L	10.0	0.75	1	10/30/14 17:10	11/04/14 19:22	110-86-1	
Safrole	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 19:22	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<0.96**	ug/L	20.0	0.96	1	10/30/14 17:10	11/04/14 19:22	3689-24-5	
Terpineol	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 19:22	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 19:22	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 19:22	58-90-2	
Thionazin	**<0.86**	ug/L	20.0	0.86	1	10/30/14 17:10	11/04/14 19:22	297-97-2	
2,6-Toluene diisocyanate	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 19:22	91-08-7	
O-Toluidine	**<0.72**	ug/L	10.0	0.72	1	10/30/14 17:10	11/04/14 19:22	95-53-4	
1,2,4-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 19:22	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 19:22	95-95-4	
2,4,6-Trichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 19:22	88-06-2	
1,3,5-Trinitrobenzene	**<0.83**	ug/L	10.0	0.83	1	10/30/14 17:10	11/04/14 19:22	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	52	%	21-110		1	10/30/14 17:10	11/04/14 19:22	4165-60-0	
2-Fluorobiphenyl (S)	62	%	27-110		1	10/30/14 17:10	11/04/14 19:22	321-60-8	
Terphenyl-d14 (S)	82	%	31-107		1	10/30/14 17:10	11/04/14 19:22	1718-51-0	
Phenol-d6 (S)	27	%	10-110		1	10/30/14 17:10	11/04/14 19:22	13127-88-3	
2-Fluorophenol (S)	33	%	12-110		1	10/30/14 17:10	11/04/14 19:22	367-12-4	
2,4,6-Tribromophenol (S)	77	%	27-110		1	10/30/14 17:10	11/04/14 19:22	118-79-6	

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Asheville, NC 28804
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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-05R **Lab ID: 92222561009** Collected: 10/23/14 09:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		11/05/14 19:54	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		11/05/14 19:54	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		11/05/14 19:54	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		11/05/14 19:54	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		11/05/14 19:54	107-05-1	
Benzene	**1.5**	ug/L	1.0	0.25	1		11/05/14 19:54	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		11/05/14 19:54	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		11/05/14 19:54	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		11/05/14 19:54	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		11/05/14 19:54	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		11/05/14 19:54	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		11/05/14 19:54	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		11/05/14 19:54	56-23-5	
Chlorobenzene	**5.3**	ug/L	1.0	0.23	1		11/05/14 19:54	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		11/05/14 19:54	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		11/05/14 19:54	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		11/05/14 19:54	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		11/05/14 19:54	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		11/05/14 19:54	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 19:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		11/05/14 19:54	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 19:54	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 19:54	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 19:54	541-73-1	
1,4-Dichlorobenzene	**3.0**	ug/L	1.0	0.33	1		11/05/14 19:54	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		11/05/14 19:54	110-57-6	
Dichlorodifluoromethane	**0.59J**	ug/L	1.0	0.21	1		11/05/14 19:54	75-71-8	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		11/05/14 19:54	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		11/05/14 19:54	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		11/05/14 19:54	75-35-4	
cis-1,2-Dichloroethene	**1.8**	ug/L	1.0	0.19	1		11/05/14 19:54	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 19:54	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		11/05/14 19:54	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		11/05/14 19:54	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		11/05/14 19:54	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 19:54	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		11/05/14 19:54	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 19:54	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 19:54	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		11/05/14 19:54	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		11/05/14 19:54	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		11/05/14 19:54	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		11/05/14 19:54	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		11/05/14 19:54	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		11/05/14 19:54	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		11/05/14 19:54	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-05R **Lab ID: 92222561009** Collected: 10/23/14 09:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		11/05/14 19:54	108-10-1	
Naphthalene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 19:54	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		11/05/14 19:54	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 19:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		11/05/14 19:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		11/05/14 19:54	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		11/05/14 19:54	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 19:54	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/05/14 19:54	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		11/05/14 19:54	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/05/14 19:54	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/05/14 19:54	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		11/05/14 19:54	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		11/05/14 19:54	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		11/05/14 19:54	108-05-4	
Vinyl chloride	**2.9**	ug/L	1.0	0.62	1		11/05/14 19:54	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		11/05/14 19:54	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		11/05/14 19:54	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		11/05/14 19:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/05/14 19:54	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		11/05/14 19:54	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		11/05/14 19:54	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**264**	mg/L	5.0	1.0	1		10/29/14 15:03		
Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**2.3**	mg/L	0.50	0.50	1		10/24/14 20:53		H3,N2
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/29/14 14:30	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**16.7**	mg/L	2.0	2.0	1	10/24/14 15:15	10/29/14 09:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**1.5J**	mg/L	2.0	1.0	1		10/31/14 23:25	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**<0.010**	mg/L	0.020	0.010	1		10/24/14 22:34		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**51.9**	mg/L	5.0	2.5	1		11/01/14 04:49	16887-00-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-05R **Lab ID: 92222561009** Collected: 10/23/14 09:45 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**<0.0025**	mg/L	0.0050	0.0025	1		11/02/14 13:13	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**72.0**	mg/L	25.0	12.5	1		11/06/14 10:41		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**48.4**	mg/L	1.0	0.50	1		10/30/14 14:16	7440-44-0	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-07 **Lab ID: 92222561010** Collected: 10/23/14 15:08 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 AIR Headspace	Analytical Method: RSK 175								
Ethane	**<3.1**	ug/L	6.2	3.1	1		10/30/14 13:36	74-84-0	
Ethene	**<3.1**	ug/L	6.2	3.1	1		10/30/14 13:36	74-85-1	
Methane	**648**	ug/L	6.6	3.3	1		10/30/14 13:36	74-82-8	
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	58-89-9	
Chlordane (Technical)	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 23:30	57-74-9	
4,4'-DDD	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	72-54-8	
4,4'-DDE	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	72-55-9	
4,4'-DDT	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	50-29-3	
Dieldrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	959-98-8	
Endosulfan II	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	33213-65-9	
Endosulfan sulfate	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	1031-07-8	
Endrin	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	72-20-8	
Endrin aldehyde	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	7421-93-4	
Endrin ketone	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	1024-57-3	
Hexachlorobenzene	**<0.050**	ug/L	0.050	0.050	1	10/29/14 16:00	10/31/14 23:30	118-74-1	
Methoxychlor	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 23:30	72-43-5	
Mirex	**<0.15**	ug/L	0.15	0.15	1	10/29/14 16:00	10/31/14 23:30	2385-85-5	
Toxaphene	**<0.20**	ug/L	0.20	0.20	1	10/29/14 16:00	10/31/14 23:30	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	127	%	20-130		1	10/29/14 16:00	10/31/14 23:30	877-09-8	
Decachlorobiphenyl (S)	99	%	20-130		1	10/29/14 16:00	10/31/14 23:30	2051-24-3	
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:40	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:40	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:40	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:40	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:40	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:40	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.50**	ug/L	0.50	0.50	1	11/04/14 08:30	11/05/14 23:40	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	89	%	10-132		1	11/04/14 08:30	11/05/14 23:40	2051-24-3	
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Dimethoate	**<0.24**	ug/L	0.50	0.24	1	10/28/14 11:00	10/29/14 20:35	60-51-5	
Disulfoton	**<0.26**	ug/L	0.50	0.26	1	10/28/14 11:00	10/29/14 20:35	298-04-4	
Famphur	**<0.29**	ug/L	0.50	0.29	1	10/28/14 11:00	10/29/14 20:35	52-85-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-07 **Lab ID: 92222561010** Collected: 10/23/14 15:08 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS O/P Pesticides	Analytical Method: EPA 8141 Preparation Method: EPA 3510								
Methyl parathion	**<0.27**	ug/L	0.50	0.27	1	10/28/14 11:00	10/29/14 20:35	298-00-0	
Parathion (Ethyl parathion)	**<0.47**	ug/L	1.0	0.47	1	10/28/14 11:00	10/29/14 20:35	56-38-2	
Phorate	**<0.42**	ug/L	1.0	0.42	1	10/28/14 11:00	10/29/14 20:35	298-02-2	
Surrogates									
4-Chloro3nitrobenzotrifluoride	73	%	34.2-122		1	10/28/14 11:00	10/29/14 20:35		
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.22**	ug/L	0.94	0.22	1	10/30/14 08:45	10/31/14 09:48	94-75-7	
Dinoseb	**<0.057**	ug/L	0.19	0.057	1	10/30/14 08:45	10/31/14 09:48	88-85-7	
Pentachlorophenol	**<0.017**	ug/L	0.028	0.017	1	10/30/14 08:45	10/31/14 09:48	87-86-5	
2,4,5-T	**<0.042**	ug/L	0.19	0.042	1	10/30/14 08:45	10/31/14 09:48	93-76-5	
2,4,5-TP (Silvex)	**<0.049**	ug/L	0.19	0.049	1	10/30/14 08:45	10/31/14 09:48	93-72-1	
Surrogates									
2,4-DCAA (S)	79	%	66-130		1	10/30/14 08:45	10/31/14 09:48	19719-28-9	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	**<3.8**	ug/L	5.0	3.8	1	10/27/14 15:25	10/28/14 21:21	7440-36-0	
Arsenic	**<2.5**	ug/L	10.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-38-2	
Barium	**351**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-39-3	
Beryllium	**<0.50**	ug/L	1.0	0.50	1	10/27/14 15:25	10/28/14 21:21	7440-41-7	
Cadmium	**<0.50**	ug/L	1.0	0.50	1	10/27/14 15:25	10/28/14 21:21	7440-43-9	
Chromium	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-47-3	
Cobalt	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-48-4	
Copper	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-50-8	
Lead	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7439-92-1	
Nickel	**4.7J**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-02-0	
Selenium	**<5.0**	ug/L	10.0	5.0	1	10/27/14 15:25	10/28/14 21:21	7782-49-2	
Silver	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-22-4	
Thallium	**<5.0**	ug/L	5.4	5.0	1	10/27/14 15:25	10/28/14 21:21	7440-28-0	
Tin	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-31-5	
Vanadium	**<2.5**	ug/L	5.0	2.5	1	10/27/14 15:25	10/28/14 21:21	7440-62-2	
Zinc	**5.8J**	ug/L	10.0	5.0	1	10/27/14 15:25	10/28/14 21:21	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.10**	ug/L	0.20	0.10	1	10/25/14 14:30	10/27/14 12:41	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 20:00	83-32-9	
Acenaphthylene	**<0.99**	ug/L	10.0	0.99	1	10/30/14 17:10	11/04/14 20:00	208-96-8	
Acetophenone	**<0.83**	ug/L	10.0	0.83	1	10/30/14 17:10	11/04/14 20:00	98-86-2	
2-Acetylaminofluorene	**<0.31**	ug/L	20.0	0.31	1	10/30/14 17:10	11/04/14 20:00	53-96-3	
4-Aminobiphenyl	**<0.32**	ug/L	10.0	0.32	1	10/30/14 17:10	11/04/14 20:00	92-67-1	
Aniline	**<0.80**	ug/L	10.0	0.80	1	10/30/14 17:10	11/04/14 20:00	62-53-3	
Anthracene	**<0.47**	ug/L	10.0	0.47	1	10/30/14 17:10	11/04/14 20:00	120-12-7	
Aramite	**<0.41**	ug/L	100	0.41	1	10/30/14 17:10	11/04/14 20:00	140-57-8	
Atrazine	**<0.67**	ug/L	20.0	0.67	1	10/30/14 17:10	11/04/14 20:00	1912-24-9	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-07 **Lab ID: 92222561010** Collected: 10/23/14 15:08 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzal chloride	**<1.8**	ug/L	50.0	1.8	1	10/30/14 17:10	11/04/14 20:00	98-87-3	
Benzaldehyde	**<4.7**	ug/L	20.0	4.7	1	10/30/14 17:10	11/04/14 20:00	100-52-7	
Benzidine	**<0.32**	ug/L	50.0	0.32	1	10/30/14 17:10	11/04/14 20:00	92-87-5	
Benzo(a)anthracene	**<0.47**	ug/L	10.0	0.47	1	10/30/14 17:10	11/04/14 20:00	56-55-3	
Benzo(a)pyrene	**<0.57**	ug/L	10.0	0.57	1	10/30/14 17:10	11/04/14 20:00	50-32-8	
Benzo(b)fluoranthene	**<0.44**	ug/L	10.0	0.44	1	10/30/14 17:10	11/04/14 20:00	205-99-2	
Benzo(g,h,i)perylene	**<0.45**	ug/L	10.0	0.45	1	10/30/14 17:10	11/04/14 20:00	191-24-2	
Benzo(k)fluoranthene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 20:00	207-08-9	
Benzoic Acid	**<4.9**	ug/L	50.0	4.9	1	10/30/14 17:10	11/04/14 20:00	65-85-0	
Benzophenone	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 20:00	119-61-9	
Benzyl alcohol	**<2.1**	ug/L	20.0	2.1	1	10/30/14 17:10	11/04/14 20:00	100-51-6	
Biphenyl (Diphenyl)	**<0.94**	ug/L	10.0	0.94	1	10/30/14 17:10	11/04/14 20:00	92-52-4	
4-Bromophenylphenyl ether	**1.8J**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	101-55-3	
Butylbenzylphthalate	**<0.48**	ug/L	10.0	0.48	1	10/30/14 17:10	11/04/14 20:00	85-68-7	
Caprolactam	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 20:00	105-60-2	
Carbazole	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 20:00	86-74-8	
4-Chloro-3-methylphenol	**<2.0**	ug/L	20.0	2.0	1	10/30/14 17:10	11/04/14 20:00	59-50-7	
4-Chloroaniline	**<1.6**	ug/L	20.0	1.6	1	10/30/14 17:10	11/04/14 20:00	106-47-8	
Chlorobenzilate	**<0.40**	ug/L	10.0	0.40	1	10/30/14 17:10	11/04/14 20:00	510-15-6	
bis(2-Chloroethoxy)methane	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 20:00	111-91-1	
bis(2-Chloroethyl) ether	**<0.89**	ug/L	10.0	0.89	1	10/30/14 17:10	11/04/14 20:00	111-44-4	
bis(2-Chloroisopropyl) ether	**<0.86**	ug/L	10.0	0.86	1	10/30/14 17:10	11/04/14 20:00	108-60-1	
2-Chloronaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	95-57-8	
4-Chlorophenylphenyl ether	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 20:00	7005-72-3	
Chrysene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 20:00	218-01-9	
n-Decane	**<0.78**	ug/L	10.0	0.78	1	10/30/14 17:10	11/04/14 20:00	124-18-5	
Diallate	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 20:00	2303-16-4	
Dibenz(a,h)anthracene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 20:00	53-70-3	
Dibenzo(a,e)pyrene	**<0.32**	ug/L	50.0	0.32	1	10/30/14 17:10	11/04/14 20:00	192-65-4	
Dibenzofuran	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	132-64-9	
2,3-Dibromo-1-propanol phosph	**<2.1**	ug/L	75.0	2.1	1	10/30/14 17:10	11/04/14 20:00	126-72-7	
1,2-Dichlorobenzene	**<0.71**	ug/L	10.0	0.71	1	10/30/14 17:10	11/04/14 20:00	95-50-1	
1,3-Dichlorobenzene	**<0.78**	ug/L	10.0	0.78	1	10/30/14 17:10	11/04/14 20:00	541-73-1	
1,4-Dichlorobenzene	**2.8J**	ug/L	10.0	0.81	1	10/30/14 17:10	11/04/14 20:00	106-46-7	
3,3'-Dichlorobenzidine	**<0.69**	ug/L	20.0	0.69	1	10/30/14 17:10	11/04/14 20:00	91-94-1	
2,4-Dichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 20:00	120-83-2	
2,6-Dichlorophenol	**<1.7**	ug/L	10.0	1.7	1	10/30/14 17:10	11/04/14 20:00	87-65-0	
2,3-Dichloroaniline	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 20:00	99-09-2	
Diethylphthalate	**<0.91**	ug/L	10.0	0.91	1	10/30/14 17:10	11/04/14 20:00	84-66-2	
P-Dimethylaminoazobenzene	**<0.23**	ug/L	5.0	0.23	1	10/30/14 17:10	11/04/14 20:00	60-11-7	
7,12-Dimethylbenz(a)anthracene	**<0.51**	ug/L	10.0	0.51	1	10/30/14 17:10	11/04/14 20:00	57-97-6	
3,3'-Dimethylbenzidine	**<0.74**	ug/L	10.0	0.74	1	10/30/14 17:10	11/04/14 20:00	119-93-7	
2,4-Dimethylphenol	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 20:00	105-67-9	
a,a-Dimethylphenylethylamine	**<1.5**	ug/L	50.0	1.5	1	10/30/14 17:10	11/04/14 20:00	122-09-8	
Dimethylphthalate	**<0.62**	ug/L	10.0	0.62	1	10/30/14 17:10	11/04/14 20:00	131-11-3	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-07 **Lab ID: 92222561010** Collected: 10/23/14 15:08 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Di-n-butylphthalate	**<0.37**	ug/L	10.0	0.37	1	10/30/14 17:10	11/04/14 20:00	84-74-2	
4,6-Dinitro-2-methylphenol	**<1.1**	ug/L	20.0	1.1	1	10/30/14 17:10	11/04/14 20:00	534-52-1	
1,3-Dinitrobenzene	**<0.81**	ug/L	20.0	0.81	1	10/30/14 17:10	11/04/14 20:00	99-65-0	
1,4-Dinitrobenzene	**<0.62**	ug/L	20.0	0.62	1	10/30/14 17:10	11/04/14 20:00	100-25-4	
2,4-Dinitrophenol	**<2.5**	ug/L	50.0	2.5	1	10/30/14 17:10	11/04/14 20:00	51-28-5	
2,4-Dinitrotoluene	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 20:00	121-14-2	
2,6-Dinitrotoluene	**<2.1**	ug/L	10.0	2.1	1	10/30/14 17:10	11/04/14 20:00	606-20-2	
Di-n-octylphthalate	**<0.12**	ug/L	10.0	0.12	1	10/30/14 17:10	11/04/14 20:00	117-84-0	
Dinoseb	**<0.43**	ug/L	20.0	0.43	1	10/30/14 17:10	11/04/14 20:00	88-85-7	
Diphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/30/14 17:10	11/04/14 20:00	122-39-4	
Diphenyl ether (Phenyl ether)	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 20:00	101-84-8	
1,2-Diphenylhydrazine	**<0.74**	ug/L	10.0	0.74	1	10/30/14 17:10	11/04/14 20:00	122-66-7	
bis(2-Ethylhexyl)phthalate	**<0.49**	ug/L	6.0	0.49	1	10/30/14 17:10	11/04/14 20:00	117-81-7	
Ethyl methanesulfonate	**<1.3**	ug/L	20.0	1.3	1	10/30/14 17:10	11/04/14 20:00	62-50-0	
Fluoranthene	**<0.41**	ug/L	10.0	0.41	1	10/30/14 17:10	11/04/14 20:00	206-44-0	
Fluorene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	86-73-7	
Hexachloro-1,3-butadiene	**<0.90**	ug/L	10.0	0.90	1	10/30/14 17:10	11/04/14 20:00	87-68-3	
Hexachlorobenzene	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 20:00	118-74-1	
Hexachlorocyclopentadiene	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 20:00	77-47-4	
Hexachloroethane	**<0.90**	ug/L	10.0	0.90	1	10/30/14 17:10	11/04/14 20:00	67-72-1	
Hexachlorophene	**<1.9**	ug/L	100	1.9	1	10/30/14 17:10	11/04/14 20:00	70-30-4	
Hexachloropropene	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 20:00	1888-71-7	
Indeno(1,2,3-cd)pyrene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 20:00	193-39-5	
Isodrin	**<0.75**	ug/L	20.0	0.75	1	10/30/14 17:10	11/04/14 20:00	465-73-6	
Isophorone	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 20:00	78-59-1	
Isosafrole	**<1.2**	ug/L	10.0	1.2	1	10/30/14 17:10	11/04/14 20:00	120-58-1	
Kepone	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 20:00	143-50-0	
Methapyrilene	**<1.3**	ug/L	50.0	1.3	1	10/30/14 17:10	11/04/14 20:00	91-80-5	
3-Methylcholanthrene	**<0.37**	ug/L	10.0	0.37	1	10/30/14 17:10	11/04/14 20:00	56-49-5	
4,4'-Methylene-bis(2-chloroani	**<0.94**	ug/L	50.0	0.94	1	10/30/14 17:10	11/04/14 20:00	101-14-4	
Methyl methanesulfonate	**<1.2**	ug/L	5.0	1.2	1	10/30/14 17:10	11/04/14 20:00	66-27-3	
1-Methylnaphthalene	**<0.92**	ug/L	10.0	0.92	1	10/30/14 17:10	11/04/14 20:00	90-12-0	
2-Methylnaphthalene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	91-57-6	
2-Methyl-5-nitroaniline	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	99-55-8	
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00		
1-Naphthalenamine	**<0.54**	ug/L	5.0	0.54	1	10/30/14 17:10	11/04/14 20:00	134-32-7	
2-Naphthalenamine	**<0.87**	ug/L	5.0	0.87	1	10/30/14 17:10	11/04/14 20:00	91-59-8	
Naphthalene	**<0.93**	ug/L	10.0	0.93	1	10/30/14 17:10	11/04/14 20:00	91-20-3	
1,4-Naphthoquinone	**<0.84**	ug/L	5.0	0.84	1	10/30/14 17:10	11/04/14 20:00	130-15-4	
2-Nitroaniline	**<1.5**	ug/L	50.0	1.5	1	10/30/14 17:10	11/04/14 20:00	88-74-4	
3-Nitroaniline	**<1.3**	ug/L	50.0	1.3	1	10/30/14 17:10	11/04/14 20:00	99-09-2	
4-Nitroaniline	**<1.6**	ug/L	20.0	1.6	1	10/30/14 17:10	11/04/14 20:00	100-01-6	
Nitrobenzene	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	98-95-3	
2-Nitrophenol	**<0.71**	ug/L	10.0	0.71	1	10/30/14 17:10	11/04/14 20:00	88-75-5	
4-Nitrophenol	**<3.9**	ug/L	50.0	3.9	1	10/30/14 17:10	11/04/14 20:00	100-02-7	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-07 **Lab ID: 92222561010** Collected: 10/23/14 15:08 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
4-Nitroquinoline-n-oxide	**<1.9**	ug/L	50.0	1.9	1	10/30/14 17:10	11/04/14 20:00	56-57-5	
5-Nitro-o-toluidine	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	99-55-8	
N-Nitrosodiethylamine	**<0.91**	ug/L	20.0	0.91	1	10/30/14 17:10	11/04/14 20:00	55-18-5	
N-Nitrosodimethylamine	**<0.94**	ug/L	10.0	0.94	1	10/30/14 17:10	11/04/14 20:00	62-75-9	
N-Nitroso-di-n-butylamine	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 20:00	924-16-3	
N-Nitroso-di-n-propylamine	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 20:00	621-64-7	
N-Nitrosodiphenylamine	**<0.64**	ug/L	10.0	0.64	1	10/30/14 17:10	11/04/14 20:00	86-30-6	
N-Nitrosomethylethylamine	**<0.61**	ug/L	10.0	0.61	1	10/30/14 17:10	11/04/14 20:00	10595-95-6	
N-Nitrosomorpholine	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 20:00	59-89-2	
N-Nitrosopiperidine	**<1.2**	ug/L	20.0	1.2	1	10/30/14 17:10	11/04/14 20:00	100-75-4	
N-Nitrosopyrrolidine	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 20:00	930-55-2	
n-Octadecane	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 20:00	593-45-3	
O,O,O-Triethylphosphorothioate	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 20:00	126-68-1	
2,2'-Oxybis(1-chloropropane)	**<0.56**	ug/L	10.0	0.56	1	10/30/14 17:10	11/04/14 20:00	108-60-1	
Pentachlorobenzene	**<1.5**	ug/L	10.0	1.5	1	10/30/14 17:10	11/04/14 20:00	608-93-5	
Pentachloroethane	**<1.1**	ug/L	20.0	1.1	1	10/30/14 17:10	11/04/14 20:00	76-01-7	
Pentachloronitrobenzene	**<0.79**	ug/L	20.0	0.79	1	10/30/14 17:10	11/04/14 20:00	82-68-8	
Pentachlorophenol	**<1.2**	ug/L	25.0	1.2	1	10/30/14 17:10	11/04/14 20:00	87-86-5	
Phenacetin	**<0.54**	ug/L	20.0	0.54	1	10/30/14 17:10	11/04/14 20:00	62-44-2	
Phenanthrene	**<0.53**	ug/L	10.0	0.53	1	10/30/14 17:10	11/04/14 20:00	85-01-8	
Phenol	**<1.1**	ug/L	10.0	1.1	1	10/30/14 17:10	11/04/14 20:00	108-95-2	
p-Phenylenediamine	**<0.96**	ug/L	10.0	0.96	1	10/30/14 17:10	11/04/14 20:00	106-50-3	
Phthalic anhydride	**<1.2**	ug/L	75.0	1.2	1	10/30/14 17:10	11/04/14 20:00	85-44-9	
2-Picoline	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 20:00	109-06-8	
Pronamide	**<0.58**	ug/L	10.0	0.58	1	10/30/14 17:10	11/04/14 20:00	23950-58-5	
Pyrene	**<0.49**	ug/L	10.0	0.49	1	10/30/14 17:10	11/04/14 20:00	129-00-0	
Pyridine	**<0.75**	ug/L	10.0	0.75	1	10/30/14 17:10	11/04/14 20:00	110-86-1	
Safrole	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 20:00	94-59-7	
Sulfotepp (Thiodiphosphoric Ac	**<0.96**	ug/L	20.0	0.96	1	10/30/14 17:10	11/04/14 20:00	3689-24-5	
Terpineol	**<1.4**	ug/L	10.0	1.4	1	10/30/14 17:10	11/04/14 20:00	98-55-5	
1,2,4,5-Tetrachlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 20:00	95-94-3	
2,3,4,6-Tetrachlorophenol	**<1.6**	ug/L	10.0	1.6	1	10/30/14 17:10	11/04/14 20:00	58-90-2	
Thionazin	**<0.86**	ug/L	20.0	0.86	1	10/30/14 17:10	11/04/14 20:00	297-97-2	
2,6-Toluene diisocyanate	**<0.76**	ug/L	10.0	0.76	1	10/30/14 17:10	11/04/14 20:00	91-08-7	
O-Toluidine	**<0.72**	ug/L	10.0	0.72	1	10/30/14 17:10	11/04/14 20:00	95-53-4	
1,2,4-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	1	10/30/14 17:10	11/04/14 20:00	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	10.0	1.0	1	10/30/14 17:10	11/04/14 20:00	95-95-4	
2,4,6-Trichlorophenol	**<0.85**	ug/L	10.0	0.85	1	10/30/14 17:10	11/04/14 20:00	88-06-2	
1,3,5-Trinitrobenzene	**<0.83**	ug/L	10.0	0.83	1	10/30/14 17:10	11/04/14 20:00	99-35-4	
Surrogates									
Nitrobenzene-d5 (S)	40	%	21-110		1	10/30/14 17:10	11/04/14 20:00	4165-60-0	
2-Fluorobiphenyl (S)	44	%	27-110		1	10/30/14 17:10	11/04/14 20:00	321-60-8	
Terphenyl-d14 (S)	80	%	31-107		1	10/30/14 17:10	11/04/14 20:00	1718-51-0	
Phenol-d6 (S)	17	%	10-110		1	10/30/14 17:10	11/04/14 20:00	13127-88-3	
2-Fluorophenol (S)	24	%	12-110		1	10/30/14 17:10	11/04/14 20:00	367-12-4	
2,4,6-Tribromophenol (S)	58	%	27-110		1	10/30/14 17:10	11/04/14 20:00	118-79-6	

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Asheville, NC 28804
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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-07 **Lab ID: 92222561010** Collected: 10/23/14 15:08 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		11/05/14 20:11	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		11/05/14 20:11	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		11/05/14 20:11	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		11/05/14 20:11	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		11/05/14 20:11	107-05-1	
Benzene	**1.1**	ug/L	1.0	0.25	1		11/05/14 20:11	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		11/05/14 20:11	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		11/05/14 20:11	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		11/05/14 20:11	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		11/05/14 20:11	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		11/05/14 20:11	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		11/05/14 20:11	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		11/05/14 20:11	56-23-5	
Chlorobenzene	**5.7**	ug/L	1.0	0.23	1		11/05/14 20:11	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		11/05/14 20:11	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		11/05/14 20:11	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		11/05/14 20:11	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		11/05/14 20:11	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		11/05/14 20:11	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 20:11	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		11/05/14 20:11	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 20:11	74-95-3	
1,2-Dichlorobenzene	**0.41J**	ug/L	1.0	0.30	1		11/05/14 20:11	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 20:11	541-73-1	
1,4-Dichlorobenzene	**5.7**	ug/L	1.0	0.33	1		11/05/14 20:11	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		11/05/14 20:11	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 20:11	75-71-8	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		11/05/14 20:11	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		11/05/14 20:11	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		11/05/14 20:11	75-35-4	
cis-1,2-Dichloroethene	**5.4**	ug/L	1.0	0.19	1		11/05/14 20:11	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 20:11	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		11/05/14 20:11	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		11/05/14 20:11	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		11/05/14 20:11	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 20:11	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		11/05/14 20:11	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 20:11	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 20:11	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		11/05/14 20:11	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		11/05/14 20:11	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		11/05/14 20:11	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		11/05/14 20:11	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		11/05/14 20:11	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		11/05/14 20:11	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		11/05/14 20:11	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-07 **Lab ID: 92222561010** Collected: 10/23/14 15:08 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		11/05/14 20:11	108-10-1	
Naphthalene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 20:11	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		11/05/14 20:11	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 20:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		11/05/14 20:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		11/05/14 20:11	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		11/05/14 20:11	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 20:11	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/05/14 20:11	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		11/05/14 20:11	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/05/14 20:11	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/05/14 20:11	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		11/05/14 20:11	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		11/05/14 20:11	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		11/05/14 20:11	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		11/05/14 20:11	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		11/05/14 20:11	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		11/05/14 20:11	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		11/05/14 20:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		11/05/14 20:11	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		11/05/14 20:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		11/05/14 20:11	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**252**	mg/L	5.0	1.0	1		10/29/14 15:12		
Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**0.73**	mg/L	0.50	0.50	1		10/24/14 20:58		H1,N2
4500S2D Sulfide Water	Analytical Method: SM 4500-S2D								
Sulfide	**<0.10**	mg/L	0.10	0.10	1		10/29/14 14:30	18496-25-8	
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**<2.0**	mg/L	2.0	2.0	1	10/24/14 15:15	10/29/14 09:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**26.0**	mg/L	2.0	1.0	1		10/31/14 23:39	14808-79-8	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**<0.010**	mg/L	0.020	0.010	1		10/24/14 23:20		
4500 Chloride	Analytical Method: SM 4500-Cl-E								
Chloride	**60.0**	mg/L	5.0	2.5	1		11/01/14 05:12	16887-00-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: MW-07 **Lab ID: 92222561010** Collected: 10/23/14 15:08 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**<0.0025**	mg/L	0.0050	0.0025	1		11/02/14 13:14	57-12-5	
5220D COD	Analytical Method: SM 5220D								
Chemical Oxygen Demand	**38.0**	mg/L	25.0	12.5	1		11/06/14 10:41		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**28.9**	mg/L	2.0	1.0	2		10/30/14 17:24	7440-44-0	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: LT-01 **Lab ID: 92222561011** Collected: 10/23/14 13:26 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		11/05/14 20:43	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		11/05/14 20:43	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		11/05/14 20:43	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		11/05/14 20:43	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		11/05/14 20:43	107-05-1	
Benzene	**1.4**	ug/L	1.0	0.25	1		11/05/14 20:43	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		11/05/14 20:43	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		11/05/14 20:43	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		11/05/14 20:43	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		11/05/14 20:43	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		11/05/14 20:43	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		11/05/14 20:43	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		11/05/14 20:43	56-23-5	
Chlorobenzene	**3.0**	ug/L	1.0	0.23	1		11/05/14 20:43	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		11/05/14 20:43	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		11/05/14 20:43	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		11/05/14 20:43	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		11/05/14 20:43	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		11/05/14 20:43	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 20:43	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		11/05/14 20:43	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 20:43	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 20:43	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 20:43	541-73-1	
1,4-Dichlorobenzene	**5.3**	ug/L	1.0	0.33	1		11/05/14 20:43	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		11/05/14 20:43	110-57-6	
Dichlorodifluoromethane	**0.31J**	ug/L	1.0	0.21	1		11/05/14 20:43	75-71-8	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		11/05/14 20:43	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		11/05/14 20:43	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		11/05/14 20:43	75-35-4	
cis-1,2-Dichloroethene	**0.49J**	ug/L	1.0	0.19	1		11/05/14 20:43	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 20:43	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		11/05/14 20:43	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		11/05/14 20:43	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		11/05/14 20:43	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 20:43	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		11/05/14 20:43	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 20:43	10061-02-6	
Ethylbenzene	**2.7**	ug/L	1.0	0.30	1		11/05/14 20:43	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		11/05/14 20:43	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		11/05/14 20:43	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		11/05/14 20:43	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		11/05/14 20:43	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		11/05/14 20:43	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		11/05/14 20:43	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		11/05/14 20:43	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: LT-01 **Lab ID: 92222561011** Collected: 10/23/14 13:26 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		11/05/14 20:43	108-10-1	
Naphthalene	**8.8**	ug/L	1.0	0.24	1		11/05/14 20:43	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		11/05/14 20:43	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 20:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		11/05/14 20:43	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		11/05/14 20:43	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		11/05/14 20:43	127-18-4	
Toluene	**0.51J**	ug/L	1.0	0.26	1		11/05/14 20:43	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/05/14 20:43	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		11/05/14 20:43	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/05/14 20:43	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/05/14 20:43	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		11/05/14 20:43	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		11/05/14 20:43	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		11/05/14 20:43	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		11/05/14 20:43	75-01-4	
Xylene (Total)	**1.4J**	ug/L	2.0	0.66	1		11/05/14 20:43	1330-20-7	
m&p-Xylene	**1.0J**	ug/L	2.0	0.66	1		11/05/14 20:43	179601-23-1	
o-Xylene	**1.4**	ug/L	1.0	0.23	1		11/05/14 20:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/14 20:43	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		11/05/14 20:43	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		11/05/14 20:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: Trip Blank **Lab ID: 92222561012** Collected: 10/23/14 00:00 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/L	25.0	10.0	1		11/05/14 18:49	67-64-1	
Acetonitrile	**<2.2**	ug/L	50.0	2.2	1		11/05/14 18:49	75-05-8	
Acrolein	**<1.6**	ug/L	10.0	1.6	1		11/05/14 18:49	107-02-8	
Acrylonitrile	**<1.9**	ug/L	10.0	1.9	1		11/05/14 18:49	107-13-1	
Allyl chloride	**<1.5**	ug/L	2.0	1.5	1		11/05/14 18:49	107-05-1	
Benzene	**<0.25**	ug/L	1.0	0.25	1		11/05/14 18:49	71-43-2	
Bromochloromethane	**<0.17**	ug/L	1.0	0.17	1		11/05/14 18:49	74-97-5	
Bromodichloromethane	**<0.18**	ug/L	1.0	0.18	1		11/05/14 18:49	75-27-4	
Bromoform	**<0.26**	ug/L	1.0	0.26	1		11/05/14 18:49	75-25-2	
Bromomethane	**<0.29**	ug/L	2.0	0.29	1		11/05/14 18:49	74-83-9	
2-Butanone (MEK)	**<0.96**	ug/L	5.0	0.96	1		11/05/14 18:49	78-93-3	
Carbon disulfide	**<1.2**	ug/L	2.0	1.2	1		11/05/14 18:49	75-15-0	
Carbon tetrachloride	**<0.25**	ug/L	1.0	0.25	1		11/05/14 18:49	56-23-5	
Chlorobenzene	**<0.23**	ug/L	1.0	0.23	1		11/05/14 18:49	108-90-7	
Chloroethane	**<0.54**	ug/L	1.0	0.54	1		11/05/14 18:49	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		11/05/14 18:49	67-66-3	
Chloromethane	**<0.11**	ug/L	1.0	0.11	1		11/05/14 18:49	74-87-3	
Chloroprene	**<0.27**	ug/L	5.0	0.27	1		11/05/14 18:49	126-99-8	
1,2-Dibromo-3-chloropropane	**<2.0**	ug/L	2.0	2.0	1		11/05/14 18:49	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 18:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.27**	ug/L	1.0	0.27	1		11/05/14 18:49	106-93-4	
Dibromomethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 18:49	74-95-3	
1,2-Dichlorobenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 18:49	95-50-1	
1,3-Dichlorobenzene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 18:49	541-73-1	
1,4-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/05/14 18:49	106-46-7	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1.0	1		11/05/14 18:49	110-57-6	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		11/05/14 18:49	75-71-8	
1,1-Dichloroethane	**<0.32**	ug/L	1.0	0.32	1		11/05/14 18:49	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		11/05/14 18:49	107-06-2	
1,1-Dichloroethene	**<0.56**	ug/L	1.0	0.56	1		11/05/14 18:49	75-35-4	
cis-1,2-Dichloroethene	**<0.19**	ug/L	1.0	0.19	1		11/05/14 18:49	156-59-2	
trans-1,2-Dichloroethene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 18:49	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/L	1.0	0.27	1		11/05/14 18:49	78-87-5	
1,3-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		11/05/14 18:49	142-28-9	
2,2-Dichloropropane	**<0.13**	ug/L	1.0	0.13	1		11/05/14 18:49	594-20-7	
1,1-Dichloropropene	**<0.49**	ug/L	1.0	0.49	1		11/05/14 18:49	563-58-6	
cis-1,3-Dichloropropene	**<0.13**	ug/L	1.0	0.13	1		11/05/14 18:49	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 18:49	10061-02-6	
Ethylbenzene	**<0.30**	ug/L	1.0	0.30	1		11/05/14 18:49	100-41-4	
Ethyl methacrylate	**<0.20**	ug/L	1.0	0.20	1		11/05/14 18:49	97-63-2	
2-Hexanone	**<0.46**	ug/L	5.0	0.46	1		11/05/14 18:49	591-78-6	
Iodomethane	**<0.32**	ug/L	5.0	0.32	1		11/05/14 18:49	74-88-4	
Isobutanol	**<35.0**	ug/L	100	35.0	1		11/05/14 18:49	78-83-1	
Methacrylonitrile	**<0.93**	ug/L	10.0	0.93	1		11/05/14 18:49	126-98-7	
Methylene Chloride	**<0.97**	ug/L	1.0	0.97	1		11/05/14 18:49	75-09-2	
Methyl methacrylate	**<2.0**	ug/L	2.0	2.0	1		11/05/14 18:49	80-62-6	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: Trip Blank **Lab ID: 92222561012** Collected: 10/23/14 00:00 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<0.33**	ug/L	5.0	0.33	1		11/05/14 18:49	108-10-1	
Naphthalene	**<0.24**	ug/L	1.0	0.24	1		11/05/14 18:49	91-20-3	
Propionitrile	**<3.6**	ug/L	20.0	3.6	1		11/05/14 18:49	107-12-0	
Styrene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 18:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.33**	ug/L	1.0	0.33	1		11/05/14 18:49	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	1.0	0.40	1		11/05/14 18:49	79-34-5	
Tetrachloroethene	**<0.46**	ug/L	1.0	0.46	1		11/05/14 18:49	127-18-4	
Toluene	**<0.26**	ug/L	1.0	0.26	1		11/05/14 18:49	108-88-3	
1,2,4-Trichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/05/14 18:49	120-82-1	
1,1,1-Trichloroethane	**<0.48**	ug/L	1.0	0.48	1		11/05/14 18:49	71-55-6	
1,1,2-Trichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/05/14 18:49	79-00-5	
Trichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/05/14 18:49	79-01-6	
Trichlorofluoromethane	**<0.20**	ug/L	1.0	0.20	1		11/05/14 18:49	75-69-4	
1,2,3-Trichloropropane	**<0.41**	ug/L	1.0	0.41	1		11/05/14 18:49	96-18-4	
Vinyl acetate	**<0.35**	ug/L	2.0	0.35	1		11/05/14 18:49	108-05-4	
Vinyl chloride	**<0.62**	ug/L	1.0	0.62	1		11/05/14 18:49	75-01-4	
Xylene (Total)	**<0.66**	ug/L	2.0	0.66	1		11/05/14 18:49	1330-20-7	
m&p-Xylene	**<0.66**	ug/L	2.0	0.66	1		11/05/14 18:49	179601-23-1	
o-Xylene	**<0.23**	ug/L	1.0	0.23	1		11/05/14 18:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/05/14 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		11/05/14 18:49	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		11/05/14 18:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Sample: DW-01 **Lab ID: 92222561013** Collected: 10/23/14 13:59 Received: 10/24/14 11:04 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2								
Benzene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	71-43-2	
Carbon tetrachloride	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	56-23-5	
Chlorobenzene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	108-90-7	
1,2-Dichlorobenzene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	95-50-1	
1,4-Dichlorobenzene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	106-46-7	
1,2-Dichloroethane	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	107-06-2	
1,1-Dichloroethene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	75-35-4	
cis-1,2-Dichloroethene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	156-59-2	
trans-1,2-Dichloroethene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	156-60-5	
1,2-Dichloropropane	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	78-87-5	
Ethylbenzene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	100-41-4	
Methylene Chloride	**<0.00044**	mg/L	0.00050	0.00044	1		10/30/14 22:11	75-09-2	
Styrene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	100-42-5	
Tetrachloroethene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	127-18-4	
Toluene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	108-88-3	
1,2,4-Trichlorobenzene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	120-82-1	
1,1,1-Trichloroethane	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	71-55-6	
1,1,2-Trichloroethane	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	79-00-5	
Trichloroethene	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	79-01-6	
Vinyl chloride	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	75-01-4	
Xylene (Total)	**<0.00025**	mg/L	0.00050	0.00025	1		10/30/14 22:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/30/14 22:11	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		10/30/14 22:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		10/30/14 22:11	17060-07-0	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: AIR/21684 — Analysis Method: RSK 175
QC Batch Method: RSK 175 — Analysis Description: RSK 175 AIR HEADSPACE
Associated Lab Samples: 92222561001, 92222561002, 92222561003

METHOD BLANK: 1829100 — Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<3.1	6.2	10/28/14 15:50	
Ethene	ug/L	<3.1	6.2	10/28/14 15:50	
Methane	ug/L	<3.3	6.6	10/28/14 15:50	

LABORATORY CONTROL SAMPLE & LCSD: 1829101 1829102

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	114	118	100	104	85-115	3	20	
Ethene	ug/L	106	105	109	99	103	85-115	4	20	
Methane	ug/L	60.7	61.8	62.7	102	103	85-115	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1829104 1829105

Parameter	Units	60180933003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<3.1	114	114	144	140	126	122	63-147	3	20	
Ethene	ug/L	<3.1	106	106	130	124	123	117	42-149	5	20	
Methane	ug/L	673	60.7	60.7	669	1350	-7	1110	30-150	67	20	M0,R1

SAMPLE DUPLICATE: 1829103

Parameter	Units	35160453001 Result	Dup Result	RPD	Max RPD	Qualifiers
Ethane	ug/L	3.1U	<3.1		20	
Ethene	ug/L	3.1U	<3.1		20	
Methane	ug/L	1160	1200	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: AIR/21696 Analysis Method: RSK 175
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1830561 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<3.1	6.2	10/30/14 08:45	
Ethene	ug/L	<3.1	6.2	10/30/14 08:45	
Methane	ug/L	6.5J	6.6	10/30/14 08:45	

LABORATORY CONTROL SAMPLE & LCSD: 1830562 1830563

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	103	115	90	101	85-115	12	20	
Ethene	ug/L	106	93.8	105	88	99	85-115	11	20	
Methane	ug/L	60.7	56.8	64.4	94	106	85-115	13	20	

SAMPLE DUPLICATE: 1830565

Parameter	Units	92222401040 Result	Dup Result	RPD	Max RPD	Qualifiers
Ethane	ug/L	ND	<3.1		20	
Ethene	ug/L	ND	<3.1		20	
Methane	ug/L	ND	3.9J		20	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: MERP/7218 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

METHOD BLANK: 1314433 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	10/25/14 16:09	

LABORATORY CONTROL SAMPLE: 1314434

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.3	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1314435 1314436

Parameter	Units	92222598001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.3	2.2	93	90	75-125	3	25	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: MERP/7224 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1315448 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	10/27/14 11:29	

LABORATORY CONTROL SAMPLE: 1315449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315450 1315451

Parameter	Units	92222663005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	102	102	75-125	0	25	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: MPRP/17188 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

METHOD BLANK: 1313857 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<3.8	5.0	10/24/14 03:52	
Arsenic	ug/L	<2.5	10.0	10/24/14 03:52	
Barium	ug/L	<2.5	5.0	10/24/14 03:52	
Beryllium	ug/L	<0.50	1.0	10/24/14 03:52	
Cadmium	ug/L	<0.50	1.0	10/24/14 03:52	
Chromium	ug/L	<2.5	5.0	10/24/14 03:52	
Cobalt	ug/L	<2.5	5.0	10/24/14 03:52	
Copper	ug/L	<2.5	5.0	10/24/14 03:52	
Lead	ug/L	<2.5	5.0	10/24/14 03:52	
Nickel	ug/L	<2.5	5.0	10/24/14 03:52	
Selenium	ug/L	<5.0	10.0	10/24/14 03:52	
Silver	ug/L	<2.5	5.0	10/24/14 03:52	
Thallium	ug/L	<5.0	5.4	10/24/14 03:52	
Tin	ug/L	<2.5	5.0	10/24/14 03:52	
Vanadium	ug/L	<2.5	5.0	10/24/14 03:52	
Zinc	ug/L	<5.0	10.0	10/24/14 03:52	

LABORATORY CONTROL SAMPLE: 1313858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	486	97	80-120	
Arsenic	ug/L	500	464	93	80-120	
Barium	ug/L	500	467	93	80-120	
Beryllium	ug/L	500	460	92	80-120	
Cadmium	ug/L	500	467	93	80-120	
Chromium	ug/L	500	462	92	80-120	
Cobalt	ug/L	500	478	96	80-120	
Copper	ug/L	500	487	97	80-120	
Lead	ug/L	500	480	96	80-120	
Nickel	ug/L	500	469	94	80-120	
Selenium	ug/L	500	468	94	80-120	
Silver	ug/L	250	235	94	80-120	
Thallium	ug/L	500	465	93	80-120	
Tin	ug/L	500	487	97	80-120	
Vanadium	ug/L	500	468	94	80-120	
Zinc	ug/L	500	470	94	80-120	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1313859 1313860

Parameter	Units	92221619006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	485	472	97	94	75-125	3	25	
Arsenic	ug/L	ND	500	500	465	452	93	90	75-125	3	25	
Barium	ug/L	20.4J	500	500	484	472	93	90	75-125	3	25	
Beryllium	ug/L	ND	500	500	462	448	92	90	75-125	3	25	
Cadmium	ug/L	ND	500	500	466	451	93	90	75-125	3	25	
Chromium	ug/L	10.7	500	500	460	444	90	87	75-125	3	25	
Cobalt	ug/L	ND	500	500	478	467	96	93	75-125	2	25	
Copper	ug/L	ND	500	500	484	470	97	94	75-125	3	25	
Lead	ug/L	ND	500	500	481	467	96	93	75-125	3	25	
Nickel	ug/L	ND	500	500	468	454	93	90	75-125	3	25	
Selenium	ug/L	ND	500	500	467	459	93	92	75-125	2	25	
Silver	ug/L	ND	250	250	235	227	94	91	75-125	3	25	
Thallium	ug/L	ND	500	500	460	450	92	90	75-125	2	25	
Tin	ug/L	ND	500	500	487	474	97	95	75-125	3	25	
Vanadium	ug/L	ND	500	500	472	458	94	91	75-125	3	25	
Zinc	ug/L	ND	500	500	470	457	93	91	75-125	3	25	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: MPRP/17210 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1315922 | Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<3.8	5.0	10/28/14 20:19	
Arsenic	ug/L	3.4J	10.0	10/28/14 20:19	
Barium	ug/L	<2.5	5.0	10/28/14 20:19	
Beryllium	ug/L	<0.50	1.0	10/28/14 20:19	
Cadmium	ug/L	<0.50	1.0	10/28/14 20:19	
Chromium	ug/L	<2.5	5.0	10/28/14 20:19	
Cobalt	ug/L	<2.5	5.0	10/28/14 20:19	
Copper	ug/L	<2.5	5.0	10/28/14 20:19	
Lead	ug/L	<2.5	5.0	10/28/14 20:19	
Nickel	ug/L	<2.5	5.0	10/28/14 20:19	
Selenium	ug/L	<5.0	10.0	10/28/14 20:19	
Silver	ug/L	<2.5	5.0	10/28/14 20:19	
Thallium	ug/L	<5.0	5.4	10/28/14 20:19	
Tin	ug/L	<2.5	5.0	10/28/14 20:19	
Vanadium	ug/L	<2.5	5.0	10/28/14 20:19	
Zinc	ug/L	<5.0	10.0	10/28/14 20:19	

LABORATORY CONTROL SAMPLE: 1315923

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	510	102	80-120	
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	484	97	80-120	
Beryllium	ug/L	500	488	98	80-120	
Cadmium	ug/L	500	488	98	80-120	
Chromium	ug/L	500	475	95	80-120	
Cobalt	ug/L	500	500	100	80-120	
Copper	ug/L	500	497	99	80-120	
Lead	ug/L	500	501	100	80-120	
Nickel	ug/L	500	490	98	80-120	
Selenium	ug/L	500	496	99	80-120	
Silver	ug/L	250	244	98	80-120	
Thallium	ug/L	500	487	97	80-120	
Tin	ug/L	500	507	101	80-120	
Vanadium	ug/L	500	492	98	80-120	
Zinc	ug/L	500	490	98	80-120	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315924 1315925

Parameter	Units	92222682002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	508	505	102	101	75-125	1	25	
Arsenic	ug/L	ND	500	500	487	485	97	97	75-125	0	25	
Barium	ug/L	26.4	500	500	505	508	96	96	75-125	1	25	
Beryllium	ug/L	ND	500	500	486	487	97	97	75-125	0	25	
Cadmium	ug/L	ND	500	500	486	482	97	96	75-125	1	25	
Chromium	ug/L	ND	500	500	472	475	94	95	75-125	1	25	
Cobalt	ug/L	ND	500	500	488	485	98	97	75-125	1	25	
Copper	ug/L	ND	500	500	494	493	99	98	75-125	0	25	
Lead	ug/L	ND	500	500	488	484	98	97	75-125	1	25	
Nickel	ug/L	7.3	500	500	486	484	96	95	75-125	0	25	
Selenium	ug/L	ND	500	500	492	488	98	98	75-125	1	25	
Silver	ug/L	ND	250	250	242	242	97	97	75-125	0	25	
Thallium	ug/L	ND	500	500	475	471	95	94	75-125	1	25	
Tin	ug/L	ND	500	500	502	498	100	100	75-125	1	25	
Vanadium	ug/L	ND	500	500	492	494	98	98	75-125	0	25	
Zinc	ug/L	ND	500	500	490	488	96	96	75-125	0	25	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: MSV/13121 | Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 | Analysis Description: 524.2 MSV
Associated Lab Samples: 92222561013

METHOD BLANK: 1043177 | Matrix: Water
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	mg/L	<0.00025	0.00050	10/30/14 20:58	
1,1,2-Trichloroethane	mg/L	<0.00025	0.00050	10/30/14 20:58	
1,1-Dichloroethene	mg/L	<0.00025	0.00050	10/30/14 20:58	
1,2,4-Trichlorobenzene	mg/L	<0.00025	0.00050	10/30/14 20:58	
1,2-Dichlorobenzene	mg/L	<0.00025	0.00050	10/30/14 20:58	
1,2-Dichloroethane	mg/L	<0.00025	0.00050	10/30/14 20:58	
1,2-Dichloropropane	mg/L	<0.00025	0.00050	10/30/14 20:58	
1,4-Dichlorobenzene	mg/L	<0.00025	0.00050	10/30/14 20:58	
Benzene	mg/L	<0.00025	0.00050	10/30/14 20:58	
Carbon tetrachloride	mg/L	<0.00025	0.00050	10/30/14 20:58	
Chlorobenzene	mg/L	<0.00025	0.00050	10/30/14 20:58	
cis-1,2-Dichloroethene	mg/L	<0.00025	0.00050	10/30/14 20:58	
Ethylbenzene	mg/L	<0.00025	0.00050	10/30/14 20:58	
Methylene Chloride	mg/L	<0.00044	0.00050	10/30/14 20:58	
Styrene	mg/L	<0.00025	0.00050	10/30/14 20:58	
Tetrachloroethene	mg/L	<0.00025	0.00050	10/30/14 20:58	
Toluene	mg/L	<0.00025	0.00050	10/30/14 20:58	
trans-1,2-Dichloroethene	mg/L	<0.00025	0.00050	10/30/14 20:58	
Trichloroethene	mg/L	<0.00025	0.00050	10/30/14 20:58	
Vinyl chloride	mg/L	<0.00025	0.00050	10/30/14 20:58	
Xylene (Total)	mg/L	<0.00025	0.00050	10/30/14 20:58	
1,2-Dichloroethane-d4 (S)	%	100	70-130	10/30/14 20:58	
4-Bromofluorobenzene (S)	%	97	70-130	10/30/14 20:58	
Toluene-d8 (S)	%	101	70-130	10/30/14 20:58	

LABORATORY CONTROL SAMPLE & LCSD: 1043178 1043179

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/L	.005	0.0047	0.0044	95	87	70-130	8	40	
1,1,2-Trichloroethane	mg/L	.005	0.0045	0.0043	90	86	70-130	5	40	
1,1-Dichloroethene	mg/L	.005	0.0052	0.0051	105	103	70-130	2	40	
1,2,4-Trichlorobenzene	mg/L	.005	0.0042	0.0042	84	84	70-130	.3	40	
1,2-Dichlorobenzene	mg/L	.005	0.0046	0.0044	91	88	70-130	3	40	
1,2-Dichloroethane	mg/L	.005	0.0048	0.0046	97	93	70-130	4	40	
1,2-Dichloropropane	mg/L	.005	0.0047	0.0045	93	90	70-130	3	40	
1,4-Dichlorobenzene	mg/L	.005	0.0047	0.0046	94	92	70-130	2	40	
Benzene	mg/L	.005	0.0047	0.0046	95	92	70-130	3	40	
Carbon tetrachloride	mg/L	.005	0.0051	0.0048	103	97	70-130	6	40	
Chlorobenzene	mg/L	.005	0.0047	0.0044	94	88	70-130	6	40	
cis-1,2-Dichloroethene	mg/L	.005	0.0052	0.0050	104	99	70-130	5	40	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE & LCSD: 1043178 1043179

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethylbenzene	mg/L	.005	0.0045	0.0043	90	86	70-130	4	40	
Methylene Chloride	mg/L	.005	0.0048	0.0050	95	100	70-130	5	40	
Styrene	mg/L	.005	0.0044	0.0042	87	85	70-130	3	40	
Tetrachloroethene	mg/L	.005	0.0045	0.0043	89	85	70-130	4	40	
Toluene	mg/L	.005	0.0047	0.0044	93	88	70-130	6	40	
trans-1,2-Dichloroethene	mg/L	.005	0.0048	0.0047	96	94	70-130	2	40	
Trichloroethene	mg/L	.005	0.0045	0.0042	90	84	70-130	7	40	
Vinyl chloride	mg/L	.005	0.0060	0.0058	119	116	70-130	3	40	
Xylene (Total)	mg/L	.015	0.013	0.013	87	84	70-130	3	40	
1,2-Dichloroethane-d4 (S)	%				100	101	70-130			
4-Bromofluorobenzene (S)	%				98	95	70-130			
Toluene-d8 (S)	%				101	102	70-130			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: MSV/28937 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

METHOD BLANK: 1315982 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	1.0	10/27/14 23:02	
1,1,1-Trichloroethane	ug/L	<0.48	1.0	10/27/14 23:02	
1,1,2,2-Tetrachloroethane	ug/L	<0.40	1.0	10/27/14 23:02	
1,1,2-Trichloroethane	ug/L	<0.29	1.0	10/27/14 23:02	
1,1-Dichloroethane	ug/L	<0.32	1.0	10/27/14 23:02	
1,1-Dichloroethene	ug/L	<0.56	1.0	10/27/14 23:02	
1,1-Dichloropropene	ug/L	<0.49	1.0	10/27/14 23:02	
1,2,3-Trichloropropane	ug/L	<0.41	1.0	10/27/14 23:02	
1,2,4-Trichlorobenzene	ug/L	<0.35	1.0	10/27/14 23:02	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	2.0	10/27/14 23:02	
1,2-Dibromoethane (EDB)	ug/L	<0.27	1.0	10/27/14 23:02	
1,2-Dichlorobenzene	ug/L	<0.30	1.0	10/27/14 23:02	
1,2-Dichloroethane	ug/L	<0.12	1.0	10/27/14 23:02	
1,2-Dichloropropane	ug/L	<0.27	1.0	10/27/14 23:02	
1,3-Dichlorobenzene	ug/L	<0.24	1.0	10/27/14 23:02	
1,3-Dichloropropane	ug/L	<0.28	1.0	10/27/14 23:02	
1,4-Dichlorobenzene	ug/L	<0.33	1.0	10/27/14 23:02	
2,2-Dichloropropane	ug/L	<0.13	1.0	10/27/14 23:02	
2-Butanone (MEK)	ug/L	<0.96	5.0	10/27/14 23:02	
2-Hexanone	ug/L	<0.46	5.0	10/27/14 23:02	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	5.0	10/27/14 23:02	
Acetone	ug/L	<10.0	25.0	10/27/14 23:02	
Acetonitrile	ug/L	<2.2	50.0	10/27/14 23:02	
Acrolein	ug/L	<1.6	10.0	10/27/14 23:02	
Acrylonitrile	ug/L	<1.9	10.0	10/27/14 23:02	
Allyl chloride	ug/L	<1.5	2.0	10/27/14 23:02	
Benzene	ug/L	<0.25	1.0	10/27/14 23:02	
Bromochloromethane	ug/L	<0.17	1.0	10/27/14 23:02	
Bromodichloromethane	ug/L	<0.18	1.0	10/27/14 23:02	
Bromoform	ug/L	<0.26	1.0	10/27/14 23:02	
Bromomethane	ug/L	<0.29	2.0	10/27/14 23:02	
Carbon disulfide	ug/L	<1.2	2.0	10/27/14 23:02	
Carbon tetrachloride	ug/L	<0.25	1.0	10/27/14 23:02	
Chlorobenzene	ug/L	<0.23	1.0	10/27/14 23:02	
Chloroethane	ug/L	<0.54	1.0	10/27/14 23:02	
Chloroform	ug/L	<0.14	1.0	10/27/14 23:02	
Chloromethane	ug/L	<0.11	1.0	10/27/14 23:02	
Chloroprene	ug/L	<0.27	5.0	10/27/14 23:02	
cis-1,2-Dichloroethene	ug/L	<0.19	1.0	10/27/14 23:02	
cis-1,3-Dichloropropene	ug/L	<0.13	1.0	10/27/14 23:02	
Dibromochloromethane	ug/L	<0.21	1.0	10/27/14 23:02	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1315982 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.21	1.0	10/27/14 23:02	
Dichlorodifluoromethane	ug/L	<0.21	1.0	10/27/14 23:02	
Ethyl methacrylate	ug/L	<0.20	1.0	10/27/14 23:02	
Ethylbenzene	ug/L	<0.30	1.0	10/27/14 23:02	
Iodomethane	ug/L	<0.32	5.0	10/27/14 23:02	
Isobutanol	ug/L	<35.0	100	10/27/14 23:02	
m&p-Xylene	ug/L	<0.66	2.0	10/27/14 23:02	
Methacrylonitrile	ug/L	<0.93	10.0	10/27/14 23:02	
Methyl methacrylate	ug/L	<2.0	2.0	10/27/14 23:02	
Methylene Chloride	ug/L	<0.97	1.0	10/27/14 23:02	
Naphthalene	ug/L	0.28J	1.0	10/27/14 23:02	
o-Xylene	ug/L	<0.23	1.0	10/27/14 23:02	
Propionitrile	ug/L	<3.6	20.0	10/27/14 23:02	
Styrene	ug/L	<0.26	1.0	10/27/14 23:02	
Tetrachloroethene	ug/L	<0.46	1.0	10/27/14 23:02	
Toluene	ug/L	<0.26	1.0	10/27/14 23:02	
trans-1,2-Dichloroethene	ug/L	<0.49	1.0	10/27/14 23:02	
trans-1,3-Dichloropropene	ug/L	<0.26	1.0	10/27/14 23:02	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	10/27/14 23:02	
Trichloroethene	ug/L	<0.47	1.0	10/27/14 23:02	
Trichlorofluoromethane	ug/L	<0.20	1.0	10/27/14 23:02	
Vinyl acetate	ug/L	<0.35	2.0	10/27/14 23:02	
Vinyl chloride	ug/L	<0.62	1.0	10/27/14 23:02	
Xylene (Total)	ug/L	<0.66	2.0	10/27/14 23:02	
1,2-Dichloroethane-d4 (S)	%	98	70-130	10/27/14 23:02	
4-Bromofluorobenzene (S)	%	104	70-130	10/27/14 23:02	
Toluene-d8 (S)	%	97	70-130	10/27/14 23:02	

LABORATORY CONTROL SAMPLE: 1315983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.8	98	80-125	
1,1,1-Trichloroethane	ug/L	50	50.8	102	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	47.6	95	79-124	
1,1,2-Trichloroethane	ug/L	50	49.2	98	85-125	
1,1-Dichloroethane	ug/L	50	48.2	96	73-126	
1,1-Dichloroethene	ug/L	50	48.8	98	66-135	
1,1-Dichloropropene	ug/L	50	50.9	102	74-135	
1,2,3-Trichloropropane	ug/L	50	50.4	101	75-130	
1,2,4-Trichlorobenzene	ug/L	50	50.2	100	75-134	
1,2-Dibromo-3-chloropropane	ug/L	50	48.4	97	71-133	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	83-124	
1,2-Dichlorobenzene	ug/L	50	48.8	98	80-133	
1,2-Dichloroethane	ug/L	50	45.5	91	67-128	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1315983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	48.2	96	75-132	
1,3-Dichlorobenzene	ug/L	50	48.1	96	77-130	
1,3-Dichloropropane	ug/L	50	49.9	100	76-131	
1,4-Dichlorobenzene	ug/L	50	48.0	96	78-130	
2,2-Dichloropropane	ug/L	50	45.9	92	40-160	
2-Butanone (MEK)	ug/L	100	91.5	91	61-144	
2-Hexanone	ug/L	100	99.7	100	68-143	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.3	88	72-135	
Acetone	ug/L	100	84.2	84	48-146	
Acetonitrile	ug/L	500	466	93	62-150	
Acrolein	ug/L	250	284	114	24-160	
Acrylonitrile	ug/L	250	230	92	40-160	
Allyl chloride	ug/L	50	41.3	83	66-137	
Benzene	ug/L	50	49.9	100	80-125	
Bromochloromethane	ug/L	50	56.6	113	71-125	
Bromodichloromethane	ug/L	50	44.3	89	78-124	
Bromoform	ug/L	50	47.0	94	71-128	
Bromomethane	ug/L	50	33.1	66	40-160	
Carbon disulfide	ug/L	50	52.3	105	50-160	
Carbon tetrachloride	ug/L	50	51.9	104	69-131	
Chlorobenzene	ug/L	50	48.4	97	81-122	
Chloroethane	ug/L	50	30.1	60	39-148	
Chloroform	ug/L	50	46.4	93	73-127	
Chloromethane	ug/L	50	33.8	68	44-146	
Chloroprene	ug/L	50	45.0	90	75-145	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	74-124	
cis-1,3-Dichloropropene	ug/L	50	50.1	100	72-132	
Dibromochloromethane	ug/L	50	47.0	94	78-125	
Dibromomethane	ug/L	50	53.3	107	82-120	
Dichlorodifluoromethane	ug/L	50	38.0	76	34-157	
Ethyl methacrylate	ug/L	50	44.8	90	82-121	
Ethylbenzene	ug/L	50	47.6	95	79-121	
Iodomethane	ug/L	100	89.2	89	39-154	
Isobutanol	ug/L	1000	893	89	34-160	
m&p-Xylene	ug/L	100	105	105	81-124	
Methacrylonitrile	ug/L	500	440	88	74-134	
Methyl methacrylate	ug/L	50	53.1	106	84-124	
Methylene Chloride	ug/L	50	49.2	98	64-133	
Naphthalene	ug/L	50	49.5	99	73-133	
o-Xylene	ug/L	50	47.0	94	79-131	
Propionitrile	ug/L	500	476	95	73-140	
Styrene	ug/L	50	49.6	99	84-126	
Tetrachloroethene	ug/L	50	49.2	98	78-122	
Toluene	ug/L	50	48.4	97	80-121	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	71-127	
trans-1,3-Dichloropropene	ug/L	50	50.7	101	69-141	
trans-1,4-Dichloro-2-butene	ug/L	50	44.0	88	40-160	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1315983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	50	48.9	98	78-122	
Trichlorofluoromethane	ug/L	50	42.2	84	53-137	
Vinyl acetate	ug/L	100	68.6	69	40-160	
Vinyl chloride	ug/L	50	43.3	87	58-137	
Xylene (Total)	ug/L	150	152	102	81-126	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 1316057

Parameter	Units	92222561002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	<0.48	20	21.8	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<0.40	20	19.7	98	70-130	
1,1,2-Trichloroethane	ug/L	<0.29	20	20.2	101	70-130	
1,1-Dichloroethane	ug/L	<0.32	20	20.6	103	70-130	
1,1-Dichloroethene	ug/L	<0.56	20	22.0	110	70-166	
1,1-Dichloropropene	ug/L	<0.49	20	20.7	104	70-130	
1,2,3-Trichloropropane	ug/L	<0.41	20	20.4	102	70-130	
1,2,4-Trichlorobenzene	ug/L	<0.35	20	20.9	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	20	18.5	92	70-130	
1,2-Dibromoethane (EDB)	ug/L	<0.27	20	20.8	104	70-130	
1,2-Dichlorobenzene	ug/L	<0.30	20	21.1	104	70-130	
1,2-Dichloroethane	ug/L	<0.12	20	18.7	94	70-130	
1,2-Dichloropropane	ug/L	<0.27	20	19.9	100	70-130	
1,3-Dichlorobenzene	ug/L	<0.24	20	20.9	105	70-130	
1,3-Dichloropropane	ug/L	<0.28	20	19.7	99	70-130	
1,4-Dichlorobenzene	ug/L	4.3	20	25.3	105	70-130	
2,2-Dichloropropane	ug/L	<0.13	20	15.6	78	70-130	
2-Butanone (MEK)	ug/L	<0.96	40	32.4	81	70-130	
2-Hexanone	ug/L	<0.46	40	36.7	92	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	40	37.0	93	70-130	
Acetone	ug/L	<10.0	40	33.2	83	70-130	
Acetonitrile	ug/L	<2.2	200	178	89	70-130	
Acrolein	ug/L	<1.6	100	66.7	67	70-130	M0
Acrylonitrile	ug/L	<1.9	100	93.3	93	70-130	
Allyl chloride	ug/L	<1.5	20	16.5	82	70-130	
Benzene	ug/L	0.67J	20	21.9	106	70-148	
Bromochloromethane	ug/L	<0.17	20	23.3	116	70-130	
Bromodichloromethane	ug/L	<0.18	20	19.6	98	70-130	
Bromoform	ug/L	<0.26	20	18.0	90	70-130	
Bromomethane	ug/L	<0.29	20	13.0	65	70-130	M0
Carbon disulfide	ug/L	<1.2	20	20.5	103	70-130	
Carbon tetrachloride	ug/L	<0.25	20	22.3	111	70-130	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE SAMPLE: 1316057

Parameter	Units	92222561002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	3.4	20	24.0	103	70-146	
Chloroethane	ug/L	<0.54	20	14.4	72	70-130	
Chloroform	ug/L	<0.14	20	21.4	107	70-130	
Chloromethane	ug/L	<0.11	20	10.8	54	70-130	M0
Chloroprene	ug/L	<0.27	20	18.6	93	70-130	
cis-1,2-Dichloroethene	ug/L	3.3	20	24.0	103	70-130	
cis-1,3-Dichloropropene	ug/L	<0.13	20	18.6	93	70-130	
Dibromochloromethane	ug/L	<0.21	20	19.9	100	70-130	
Dibromomethane	ug/L	<0.21	20	21.6	108	70-130	
Dichlorodifluoromethane	ug/L	<0.21	20	9.8	49	70-130	M0
Ethyl methacrylate	ug/L	<0.20	20	18.5	92	70-130	
Ethylbenzene	ug/L	<0.30	20	20.6	103	70-130	
Iodomethane	ug/L	<0.32	40	31.9	80	70-130	
Isobutanol	ug/L	<35.0	400	325	81	70-130	
m&p-Xylene	ug/L	<0.66	40	42.8	107	70-130	
Methacrylonitrile	ug/L	<0.93	200	181	90	70-130	
Methyl methacrylate	ug/L	<2.0	20	20.4	102	70-130	
Methylene Chloride	ug/L	<0.97	20	18.8	94	70-130	
Naphthalene	ug/L	0.28J	20	21.0	104	70-130	
o-Xylene	ug/L	<0.23	20	19.7	99	70-130	
Propionitrile	ug/L	<3.6	200	184	92	70-130	
Styrene	ug/L	<0.26	20	18.7	93	70-130	
Tetrachloroethene	ug/L	<0.46	20	21.2	106	70-130	
Toluene	ug/L	<0.26	20	20.9	104	70-155	
trans-1,2-Dichloroethene	ug/L	<0.49	20	21.1	105	70-130	
trans-1,3-Dichloropropene	ug/L	<0.26	20	19.0	95	70-130	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	20	16.1	80	70-130	
Trichloroethene	ug/L	<0.47	20	21.0	105	69-151	
Trichlorofluoromethane	ug/L	<0.20	20	20.3	102	70-130	
Vinyl acetate	ug/L	<0.35	40	18.0	45	70-130	M0
Vinyl chloride	ug/L	<0.62	20	14.9	72	70-130	
1,2-Dichloroethane-d4 (S)	%				95	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 1316056

Parameter	Units	92222561001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	<0.33			
1,1,1-Trichloroethane	ug/L	<0.48	<0.48			
1,1,2,2-Tetrachloroethane	ug/L	<0.40	<0.40			
1,1,2-Trichloroethane	ug/L	<0.29	<0.29			
1,1-Dichloroethane	ug/L	1.4	1.5	2		
1,1-Dichloroethene	ug/L	<0.56	<0.56			
1,1-Dichloropropene	ug/L	<0.49	<0.49			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

SAMPLE DUPLICATE: 1316056

Parameter	Units	92222561001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	<0.41	<0.41			
1,2,4-Trichlorobenzene	ug/L	<0.35	<0.35			
1,2-Dibromo-3-chloropropane	ug/L	<2.0	<2.0			
1,2-Dibromoethane (EDB)	ug/L	<0.27	<0.27			
1,2-Dichlorobenzene	ug/L	0.47J	0.49J			
1,2-Dichloroethane	ug/L	<0.12	<0.12			
1,2-Dichloropropane	ug/L	<0.27	<0.27			
1,3-Dichlorobenzene	ug/L	<0.24	<0.24			
1,3-Dichloropropane	ug/L	<0.28	<0.28			
1,4-Dichlorobenzene	ug/L	10.2	9.8	4		
2,2-Dichloropropane	ug/L	<0.13	<0.13			
2-Butanone (MEK)	ug/L	<0.96	<0.96			
2-Hexanone	ug/L	<0.46	<0.46			
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	<0.33			
Acetone	ug/L	<10.0	<10.0			
Acetonitrile	ug/L	<2.2	<2.2			
Acrolein	ug/L	<1.6	<1.6			
Acrylonitrile	ug/L	<1.9	<1.9			
Allyl chloride	ug/L	<1.5	<1.5			
Benzene	ug/L	1.2	1.2	2		
Bromochloromethane	ug/L	<0.17	<0.17			
Bromodichloromethane	ug/L	<0.18	<0.18			
Bromoform	ug/L	<0.26	<0.26			
Bromomethane	ug/L	<0.29	<0.29			
Carbon disulfide	ug/L	1.5J	1.4J			
Carbon tetrachloride	ug/L	<0.25	<0.25			
Chlorobenzene	ug/L	11.3	11.5	2		
Chloroethane	ug/L	<0.54	<0.54			
Chloroform	ug/L	<0.14	<0.14			
Chloromethane	ug/L	<0.11	<0.11			
Chloroprene	ug/L	<0.27	<0.27			
cis-1,2-Dichloroethene	ug/L	3.3	3.4	3		
cis-1,3-Dichloropropene	ug/L	<0.13	<0.13			
Dibromochloromethane	ug/L	<0.21	<0.21			
Dibromomethane	ug/L	<0.21	<0.21			
Dichlorodifluoromethane	ug/L	<0.21	<0.21			
Ethyl methacrylate	ug/L	<0.20	<0.20			
Ethylbenzene	ug/L	<0.30	<0.30			
Iodomethane	ug/L	<0.32	<0.32			
Isobutanol	ug/L	<35.0	<35.0			
m&p-Xylene	ug/L	<0.66	<0.66			
Methacrylonitrile	ug/L	<0.93	<0.93			
Methyl methacrylate	ug/L	<2.0	<2.0			
Methylene Chloride	ug/L	<0.97	<0.97			
Naphthalene	ug/L	0.26J	<0.24			
o-Xylene	ug/L	<0.23	<0.23			
Propionitrile	ug/L	<3.6	<3.6			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

SAMPLE DUPLICATE: 1316056

Parameter	Units	92222561001 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/L	<0.26	<0.26			
Tetrachloroethene	ug/L	<0.46	<0.46			
Toluene	ug/L	<0.26	<0.26			
trans-1,2-Dichloroethene	ug/L	<0.49	<0.49			
trans-1,3-Dichloropropene	ug/L	<0.26	<0.26			
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0			
Trichloroethene	ug/L	<0.47	<0.47			
Trichlorofluoromethane	ug/L	<0.20	<0.20			
Vinyl acetate	ug/L	<0.35	<0.35			
Vinyl chloride	ug/L	<0.62	<0.62			
Xylene (Total)	ug/L	<0.66	<0.66			
1,2-Dichloroethane-d4 (S)	%	97	97	0		
4-Bromofluorobenzene (S)	%	102	102	0		
Toluene-d8 (S)	%	96	98	2		

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: MSV/29045 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92222561006

METHOD BLANK: 1320665 | Matrix: Water
Associated Lab Samples: 92222561006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	1.0	11/03/14 11:44	
1,1,1-Trichloroethane	ug/L	<0.48	1.0	11/03/14 11:44	
1,1,2,2-Tetrachloroethane	ug/L	<0.40	1.0	11/03/14 11:44	
1,1,2-Trichloroethane	ug/L	<0.29	1.0	11/03/14 11:44	
1,1-Dichloroethane	ug/L	<0.32	1.0	11/03/14 11:44	
1,1-Dichloroethene	ug/L	<0.56	1.0	11/03/14 11:44	
1,1-Dichloropropene	ug/L	<0.49	1.0	11/03/14 11:44	
1,2,3-Trichloropropane	ug/L	<0.41	1.0	11/03/14 11:44	
1,2,4-Trichlorobenzene	ug/L	<0.35	1.0	11/03/14 11:44	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	2.0	11/03/14 11:44	
1,2-Dibromoethane (EDB)	ug/L	<0.27	1.0	11/03/14 11:44	
1,2-Dichlorobenzene	ug/L	<0.30	1.0	11/03/14 11:44	
1,2-Dichloroethane	ug/L	<0.12	1.0	11/03/14 11:44	
1,2-Dichloropropane	ug/L	<0.27	1.0	11/03/14 11:44	
1,3-Dichlorobenzene	ug/L	<0.24	1.0	11/03/14 11:44	
1,3-Dichloropropane	ug/L	<0.28	1.0	11/03/14 11:44	
1,4-Dichlorobenzene	ug/L	<0.33	1.0	11/03/14 11:44	
2,2-Dichloropropane	ug/L	<0.13	1.0	11/03/14 11:44	
2-Butanone (MEK)	ug/L	<0.96	5.0	11/03/14 11:44	
2-Hexanone	ug/L	<0.46	5.0	11/03/14 11:44	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	5.0	11/03/14 11:44	
Acetone	ug/L	<10.0	25.0	11/03/14 11:44	
Acetonitrile	ug/L	<2.2	50.0	11/03/14 11:44	
Acrolein	ug/L	<1.6	10.0	11/03/14 11:44	
Acrylonitrile	ug/L	<1.9	10.0	11/03/14 11:44	
Allyl chloride	ug/L	<1.5	2.0	11/03/14 11:44	
Benzene	ug/L	<0.25	1.0	11/03/14 11:44	
Bromochloromethane	ug/L	<0.17	1.0	11/03/14 11:44	
Bromodichloromethane	ug/L	<0.18	1.0	11/03/14 11:44	
Bromoform	ug/L	<0.26	1.0	11/03/14 11:44	
Bromomethane	ug/L	<0.29	2.0	11/03/14 11:44	
Carbon disulfide	ug/L	<1.2	2.0	11/03/14 11:44	
Carbon tetrachloride	ug/L	<0.25	1.0	11/03/14 11:44	
Chlorobenzene	ug/L	<0.23	1.0	11/03/14 11:44	
Chloroethane	ug/L	<0.54	1.0	11/03/14 11:44	
Chloroform	ug/L	<0.14	1.0	11/03/14 11:44	
Chloromethane	ug/L	<0.11	1.0	11/03/14 11:44	
Chloroprene	ug/L	<0.27	5.0	11/03/14 11:44	
cis-1,2-Dichloroethene	ug/L	<0.19	1.0	11/03/14 11:44	
cis-1,3-Dichloropropene	ug/L	<0.13	1.0	11/03/14 11:44	
Dibromochloromethane	ug/L	<0.21	1.0	11/03/14 11:44	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1320665 Matrix: Water
Associated Lab Samples: 92222561006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.21	1.0	11/03/14 11:44	
Dichlorodifluoromethane	ug/L	<0.21	1.0	11/03/14 11:44	
Ethyl methacrylate	ug/L	<0.20	1.0	11/03/14 11:44	
Ethylbenzene	ug/L	<0.30	1.0	11/03/14 11:44	
Iodomethane	ug/L	<0.32	5.0	11/03/14 11:44	
Isobutanol	ug/L	<35.0	100	11/03/14 11:44	
m&p-Xylene	ug/L	<0.66	2.0	11/03/14 11:44	
Methacrylonitrile	ug/L	<0.93	10.0	11/03/14 11:44	
Methyl methacrylate	ug/L	<2.0	2.0	11/03/14 11:44	
Methylene Chloride	ug/L	<0.97	1.0	11/03/14 11:44	
Naphthalene	ug/L	<0.24	1.0	11/03/14 11:44	
o-Xylene	ug/L	<0.23	1.0	11/03/14 11:44	
Propionitrile	ug/L	<3.6	20.0	11/03/14 11:44	
Styrene	ug/L	<0.26	1.0	11/03/14 11:44	
Tetrachloroethene	ug/L	<0.46	1.0	11/03/14 11:44	
Toluene	ug/L	<0.26	1.0	11/03/14 11:44	
trans-1,2-Dichloroethene	ug/L	<0.49	1.0	11/03/14 11:44	
trans-1,3-Dichloropropene	ug/L	<0.26	1.0	11/03/14 11:44	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	11/03/14 11:44	
Trichloroethene	ug/L	<0.47	1.0	11/03/14 11:44	
Trichlorofluoromethane	ug/L	<0.20	1.0	11/03/14 11:44	
Vinyl acetate	ug/L	<0.35	2.0	11/03/14 11:44	
Vinyl chloride	ug/L	<0.62	1.0	11/03/14 11:44	
Xylene (Total)	ug/L	<0.66	2.0	11/03/14 11:44	
1,2-Dichloroethane-d4 (S)	%	97	70-130	11/03/14 11:44	
4-Bromofluorobenzene (S)	%	100	70-130	11/03/14 11:44	
Toluene-d8 (S)	%	95	70-130	11/03/14 11:44	

LABORATORY CONTROL SAMPLE: 1320666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.8	106	80-125	
1,1,1-Trichloroethane	ug/L	50	55.8	112	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	46.4	93	79-124	
1,1,2-Trichloroethane	ug/L	50	47.5	95	85-125	
1,1-Dichloroethane	ug/L	50	52.7	105	73-126	
1,1-Dichloroethene	ug/L	50	52.0	104	66-135	
1,1-Dichloropropene	ug/L	50	51.8	104	74-135	
1,2,3-Trichloropropane	ug/L	50	47.8	96	75-130	
1,2,4-Trichlorobenzene	ug/L	50	51.0	102	75-134	
1,2-Dibromo-3-chloropropane	ug/L	50	45.4	91	71-133	
1,2-Dibromoethane (EDB)	ug/L	50	52.0	104	83-124	
1,2-Dichlorobenzene	ug/L	50	48.3	97	80-133	
1,2-Dichloroethane	ug/L	50	49.7	99	67-128	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1320666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	46.1	92	75-132	
1,3-Dichlorobenzene	ug/L	50	48.3	97	77-130	
1,3-Dichloropropane	ug/L	50	48.6	97	76-131	
1,4-Dichlorobenzene	ug/L	50	47.7	95	78-130	
2,2-Dichloropropane	ug/L	50	57.2	114	40-160	
2-Butanone (MEK)	ug/L	100	98.9	99	61-144	
2-Hexanone	ug/L	100	92.8	93	68-143	
4-Methyl-2-pentanone (MIBK)	ug/L	100	91.7	92	72-135	
Acetone	ug/L	100	111	111	48-146	
Acetonitrile	ug/L	500	475	95	62-150	
Acrolein	ug/L	250	320	128	24-160	
Acrylonitrile	ug/L	250	266	106	40-160	
Allyl chloride	ug/L	50	43.0	86	66-137	
Benzene	ug/L	50	48.5	97	80-125	
Bromochloromethane	ug/L	50	53.1	106	71-125	
Bromodichloromethane	ug/L	50	52.7	105	78-124	
Bromoform	ug/L	50	48.1	96	71-128	
Bromomethane	ug/L	50	43.5	87	40-160	
Carbon disulfide	ug/L	50	48.5	97	50-160	
Carbon tetrachloride	ug/L	50	58.5	117	69-131	
Chlorobenzene	ug/L	50	47.9	96	81-122	
Chloroethane	ug/L	50	34.5	69	39-148	
Chloroform	ug/L	50	53.7	107	73-127	
Chloromethane	ug/L	50	43.9	88	44-146	
Chloroprene	ug/L	50	52.4	105	75-145	
cis-1,2-Dichloroethene	ug/L	50	52.4	105	74-124	
cis-1,3-Dichloropropene	ug/L	50	50.7	101	72-132	
Dibromochloromethane	ug/L	50	49.1	98	78-125	
Dibromomethane	ug/L	50	50.8	102	82-120	
Dichlorodifluoromethane	ug/L	50	48.0	96	34-157	
Ethyl methacrylate	ug/L	50	49.7	99	82-121	
Ethylbenzene	ug/L	50	47.5	95	79-121	
Iodomethane	ug/L	100	135	135	39-154	
Isobutanol	ug/L	1000	922	92	34-160	
m&p-Xylene	ug/L	100	94.1	94	81-124	
Methacrylonitrile	ug/L	500	489	98	74-134	
Methyl methacrylate	ug/L	50	49.5	99	84-124	
Methylene Chloride	ug/L	50	54.0	108	64-133	
Naphthalene	ug/L	50	47.6	95	73-133	
o-Xylene	ug/L	50	46.0	92	79-131	
Propionitrile	ug/L	500	466	93	73-140	
Styrene	ug/L	50	48.2	96	84-126	
Tetrachloroethene	ug/L	50	50.2	100	78-122	
Toluene	ug/L	50	46.9	94	80-121	
trans-1,2-Dichloroethene	ug/L	50	52.8	106	71-127	
trans-1,3-Dichloropropene	ug/L	50	53.2	106	69-141	
trans-1,4-Dichloro-2-butene	ug/L	50	63.7	127	40-160	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1320666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	50	48.3	97	78-122	
Trichlorofluoromethane	ug/L	50	48.6	97	53-137	
Vinyl acetate	ug/L	100	92.9	93	40-160	
Vinyl chloride	ug/L	50	39.0	78	58-137	
Xylene (Total)	ug/L	150	140	93	81-126	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 1320668

Parameter	Units	92222851005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	24.4	122	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	27.1	135	70-130	M0
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.4	107	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	22.5	112	70-130	
1,1-Dichloroethane	ug/L	4.6J	20	30.7	131	70-130	M0
1,1-Dichloroethene	ug/L	ND	20	26.7	133	70-166	
1,1-Dichloropropene	ug/L	ND	20	24.5	122	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	23.3	117	70-130	
1,2,4-Trichlorobenzene	ug/L	0.60J	20	23.6	115	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	21.4	107	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	24.5	122	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	23.3	116	70-130	
1,2-Dichloroethane	ug/L	ND	20	23.5	117	70-130	
1,2-Dichloropropane	ug/L	ND	20	22.5	113	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	23.1	115	70-130	
1,3-Dichloropropane	ug/L	ND	20	22.8	114	70-130	
1,4-Dichlorobenzene	ug/L	0.99J	20	24.0	115	70-130	
2,2-Dichloropropane	ug/L	ND	20	23.6	118	70-130	
2-Butanone (MEK)	ug/L	ND	40	44.1	110	70-130	
2-Hexanone	ug/L	ND	40	48.7	122	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	44.9	112	70-130	
Acetone	ug/L	ND	40	44.8	112	70-130	
Acetonitrile	ug/L	ND	200	243	121	70-130	
Acrolein	ug/L	ND	100	128	128	70-130	
Acrylonitrile	ug/L	ND	100	130	130	70-130	
Allyl chloride	ug/L	ND	20	20.2	101	70-130	
Benzene	ug/L	ND	20	24.0	120	70-148	
Bromochloromethane	ug/L	ND	20	25.8	129	70-130	
Bromodichloromethane	ug/L	ND	20	23.7	118	70-130	
Bromoform	ug/L	ND	20	20.3	102	70-130	
Bromomethane	ug/L	ND	20	19.0	95	70-130	
Carbon disulfide	ug/L	ND	20	22.7	113	70-130	
Carbon tetrachloride	ug/L	ND	20	28.4	142	70-130	M0

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE SAMPLE: 1320668

Parameter	Units	92222851005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	0.32J	20	23.2	114	70-146	
Chloroethane	ug/L	ND	20	20.6	103	70-130	
Chloroform	ug/L	ND	20	23.6	118	70-130	
Chloromethane	ug/L	ND	20	20.4	102	70-130	
Chloroprene	ug/L	ND	20	25.2	126	70-130	
cis-1,2-Dichloroethene	ug/L	21.4	20	47.5	130	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	21.5	108	70-130	
Dibromochloromethane	ug/L	ND	20	22.3	112	70-130	
Dibromomethane	ug/L	ND	20	23.6	118	70-130	
Dichlorodifluoromethane	ug/L	ND	20	24.8	124	70-130	
Ethyl methacrylate	ug/L	ND	20	23.6	118	70-130	
Ethylbenzene	ug/L	ND	20	23.4	117	70-130	
Iodomethane	ug/L	ND	40	69.2	173	70-130	M0
Isobutanol	ug/L	ND	400	453	113	70-130	
m&p-Xylene	ug/L	ND	40	46.8	117	70-130	
Methacrylonitrile	ug/L	ND	200	245	122	70-130	
Methyl methacrylate	ug/L	ND	20	21.6	108	70-130	
Methylene Chloride	ug/L	ND	20	26.5	132	70-130	M0
Naphthalene	ug/L	ND	20	22.4	112	70-130	
o-Xylene	ug/L	ND	20	22.6	113	70-130	
Propionitrile	ug/L	ND	200	237	119	70-130	
Styrene	ug/L	ND	20	23.4	117	70-130	
Tetrachloroethene	ug/L	5.9	20	31.0	126	70-130	
Toluene	ug/L	ND	20	22.7	113	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	24.6	123	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	23.3	116	70-130	
trans-1,4-Dichloro-2-butene	ug/L	ND	20	22.4	112	70-130	
Trichloroethene	ug/L	2.6	20	27.4	124	69-151	
Trichlorofluoromethane	ug/L	ND	20	27.3	136	70-130	M0
Vinyl acetate	ug/L	ND	40	36.3	91	70-130	
Vinyl chloride	ug/L	ND	20	18.1	91	70-130	
1,2-Dichloroethane-d4 (S)	%				96	70-130	
4-Bromofluorobenzene (S)	%				94	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 1320667

Parameter	Units	92222851006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	<0.33			
1,1,1-Trichloroethane	ug/L	ND	<0.48			
1,1,2,2-Tetrachloroethane	ug/L	ND	<0.40			
1,1,2-Trichloroethane	ug/L	ND	<0.29			
1,1-Dichloroethane	ug/L	ND	<0.32			
1,1-Dichloroethene	ug/L	ND	<0.56			
1,1-Dichloropropene	ug/L	ND	<0.49			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

SAMPLE DUPLICATE: 1320667

Parameter	Units	92222851006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	ND	<0.41			
1,2,4-Trichlorobenzene	ug/L	ND	<0.35			
1,2-Dibromo-3-chloropropane	ug/L	ND	<2.0			
1,2-Dibromoethane (EDB)	ug/L	ND	<0.27			
1,2-Dichlorobenzene	ug/L	ND	<0.30			
1,2-Dichloroethane	ug/L	ND	<0.12			
1,2-Dichloropropane	ug/L	ND	<0.27			
1,3-Dichlorobenzene	ug/L	ND	<0.24			
1,3-Dichloropropane	ug/L	ND	<0.28			
1,4-Dichlorobenzene	ug/L	ND	<0.33			
2,2-Dichloropropane	ug/L	ND	<0.13			
2-Butanone (MEK)	ug/L	ND	<0.96			
2-Hexanone	ug/L	ND	<0.46			
4-Methyl-2-pentanone (MIBK)	ug/L	ND	<0.33			
Acetone	ug/L	ND	<10.0			
Acetonitrile	ug/L	ND	<2.2			
Acrolein	ug/L	ND	<1.6			
Acrylonitrile	ug/L	ND	<1.9			
Allyl chloride	ug/L	ND	<1.5			
Benzene	ug/L	ND	<0.25			
Bromochloromethane	ug/L	ND	<0.17			
Bromodichloromethane	ug/L	ND	<0.18			
Bromoform	ug/L	ND	<0.26			
Bromomethane	ug/L	ND	<0.29			
Carbon disulfide	ug/L	ND	<1.2			
Carbon tetrachloride	ug/L	ND	<0.25			
Chlorobenzene	ug/L	ND	<0.23			
Chloroethane	ug/L	ND	<0.54			
Chloroform	ug/L	ND	<0.14			
Chloromethane	ug/L	ND	<0.11			
Chloroprene	ug/L	ND	<0.27			
cis-1,2-Dichloroethene	ug/L	ND	<0.19			
cis-1,3-Dichloropropene	ug/L	ND	<0.13			
Dibromochloromethane	ug/L	ND	<0.21			
Dibromomethane	ug/L	ND	<0.21			
Dichlorodifluoromethane	ug/L	ND	<0.21			
Ethyl methacrylate	ug/L	ND	<0.20			
Ethylbenzene	ug/L	ND	<0.30			
Iodomethane	ug/L	ND	<0.32			
Isobutanol	ug/L	ND	<35.0			
m&p-Xylene	ug/L	ND	<0.66			
Methacrylonitrile	ug/L	ND	<0.93			
Methyl methacrylate	ug/L	ND	<2.0			
Methylene Chloride	ug/L	ND	<0.97			
Naphthalene	ug/L	ND	<0.24			
o-Xylene	ug/L	ND	<0.23			
Propionitrile	ug/L	ND	<3.6			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

SAMPLE DUPLICATE: 1320667

Parameter	Units	92222851006 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/L	ND	<0.26			
Tetrachloroethene	ug/L	ND	<0.46			
Toluene	ug/L	ND	<0.26			
trans-1,2-Dichloroethene	ug/L	ND	<0.49			
trans-1,3-Dichloropropene	ug/L	ND	<0.26			
trans-1,4-Dichloro-2-butene	ug/L	ND	<1.0			
Trichloroethene	ug/L	ND	<0.47			
Trichlorofluoromethane	ug/L	ND	<0.20			
Vinyl acetate	ug/L	ND	<0.35			
Vinyl chloride	ug/L	ND	<0.62			
Xylene (Total)	ug/L	ND	<0.66			
1,2-Dichloroethane-d4 (S)	%	100	95	5		
4-Bromofluorobenzene (S)	%	100	101	1		
Toluene-d8 (S)	%	95	95	0		

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: MSV/29097 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010, 92222561011, 92222561012

METHOD BLANK: 1322892 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010, 92222561011, 92222561012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	1.0	11/05/14 18:17	
1,1,1-Trichloroethane	ug/L	<0.48	1.0	11/05/14 18:17	
1,1,2,2-Tetrachloroethane	ug/L	<0.40	1.0	11/05/14 18:17	
1,1,2-Trichloroethane	ug/L	<0.29	1.0	11/05/14 18:17	
1,1-Dichloroethane	ug/L	<0.32	1.0	11/05/14 18:17	
1,1-Dichloroethene	ug/L	<0.56	1.0	11/05/14 18:17	
1,1-Dichloropropene	ug/L	<0.49	1.0	11/05/14 18:17	
1,2,3-Trichloropropane	ug/L	<0.41	1.0	11/05/14 18:17	
1,2,4-Trichlorobenzene	ug/L	<0.35	1.0	11/05/14 18:17	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	2.0	11/05/14 18:17	
1,2-Dibromoethane (EDB)	ug/L	<0.27	1.0	11/05/14 18:17	
1,2-Dichlorobenzene	ug/L	<0.30	1.0	11/05/14 18:17	
1,2-Dichloroethane	ug/L	<0.12	1.0	11/05/14 18:17	
1,2-Dichloropropane	ug/L	<0.27	1.0	11/05/14 18:17	
1,3-Dichlorobenzene	ug/L	<0.24	1.0	11/05/14 18:17	
1,3-Dichloropropane	ug/L	<0.28	1.0	11/05/14 18:17	
1,4-Dichlorobenzene	ug/L	<0.33	1.0	11/05/14 18:17	
2,2-Dichloropropane	ug/L	<0.13	1.0	11/05/14 18:17	
2-Butanone (MEK)	ug/L	<0.96	5.0	11/05/14 18:17	
2-Hexanone	ug/L	<0.46	5.0	11/05/14 18:17	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	5.0	11/05/14 18:17	
Acetone	ug/L	<10.0	25.0	11/05/14 18:17	
Acetonitrile	ug/L	<2.2	50.0	11/05/14 18:17	
Acrolein	ug/L	8.7J	10.0	11/05/14 18:17	
Acrylonitrile	ug/L	<1.9	10.0	11/05/14 18:17	
Allyl chloride	ug/L	<1.5	2.0	11/05/14 18:17	
Benzene	ug/L	<0.25	1.0	11/05/14 18:17	
Bromochloromethane	ug/L	<0.17	1.0	11/05/14 18:17	
Bromodichloromethane	ug/L	<0.18	1.0	11/05/14 18:17	
Bromoform	ug/L	<0.26	1.0	11/05/14 18:17	
Bromomethane	ug/L	5.6	2.0	11/05/14 18:17	
Carbon disulfide	ug/L	<1.2	2.0	11/05/14 18:17	
Carbon tetrachloride	ug/L	<0.25	1.0	11/05/14 18:17	
Chlorobenzene	ug/L	<0.23	1.0	11/05/14 18:17	
Chloroethane	ug/L	<0.54	1.0	11/05/14 18:17	
Chloroform	ug/L	<0.14	1.0	11/05/14 18:17	
Chloromethane	ug/L	<0.11	1.0	11/05/14 18:17	
Chloroprene	ug/L	<0.27	5.0	11/05/14 18:17	
cis-1,2-Dichloroethene	ug/L	<0.19	1.0	11/05/14 18:17	
cis-1,3-Dichloropropene	ug/L	<0.13	1.0	11/05/14 18:17	
Dibromochloromethane	ug/L	<0.21	1.0	11/05/14 18:17	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1322892 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010, 92222561011, 92222561012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.21	1.0	11/05/14 18:17	
Dichlorodifluoromethane	ug/L	<0.21	1.0	11/05/14 18:17	
Ethyl methacrylate	ug/L	<0.20	1.0	11/05/14 18:17	
Ethylbenzene	ug/L	<0.30	1.0	11/05/14 18:17	
Iodomethane	ug/L	8.5	5.0	11/05/14 18:17	
Isobutanol	ug/L	<35.0	100	11/05/14 18:17	
m&p-Xylene	ug/L	<0.66	2.0	11/05/14 18:17	
Methacrylonitrile	ug/L	<0.93	10.0	11/05/14 18:17	
Methyl methacrylate	ug/L	<2.0	2.0	11/05/14 18:17	
Methylene Chloride	ug/L	<0.97	1.0	11/05/14 18:17	
Naphthalene	ug/L	0.33J	1.0	11/05/14 18:17	
o-Xylene	ug/L	<0.23	1.0	11/05/14 18:17	
Propionitrile	ug/L	<3.6	20.0	11/05/14 18:17	
Styrene	ug/L	<0.26	1.0	11/05/14 18:17	
Tetrachloroethene	ug/L	<0.46	1.0	11/05/14 18:17	
Toluene	ug/L	<0.26	1.0	11/05/14 18:17	
trans-1,2-Dichloroethene	ug/L	<0.49	1.0	11/05/14 18:17	
trans-1,3-Dichloropropene	ug/L	<0.26	1.0	11/05/14 18:17	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	11/05/14 18:17	
Trichloroethene	ug/L	<0.47	1.0	11/05/14 18:17	
Trichlorofluoromethane	ug/L	<0.20	1.0	11/05/14 18:17	
Vinyl acetate	ug/L	<0.35	2.0	11/05/14 18:17	
Vinyl chloride	ug/L	<0.62	1.0	11/05/14 18:17	
Xylene (Total)	ug/L	<0.66	2.0	11/05/14 18:17	
1,2-Dichloroethane-d4 (S)	%	100	70-130	11/05/14 18:17	
4-Bromofluorobenzene (S)	%	103	70-130	11/05/14 18:17	
Toluene-d8 (S)	%	99	70-130	11/05/14 18:17	

LABORATORY CONTROL SAMPLE: 1322893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.2	104	80-125	
1,1,1-Trichloroethane	ug/L	50	52.2	104	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	79-124	
1,1,2-Trichloroethane	ug/L	50	52.4	105	85-125	
1,1-Dichloroethane	ug/L	50	52.3	105	73-126	
1,1-Dichloroethene	ug/L	50	55.8	112	66-135	
1,1-Dichloropropene	ug/L	50	52.5	105	74-135	
1,2,3-Trichloropropane	ug/L	50	49.1	98	75-130	
1,2,4-Trichlorobenzene	ug/L	50	52.3	105	75-134	
1,2-Dibromo-3-chloropropane	ug/L	50	45.8	92	71-133	
1,2-Dibromoethane (EDB)	ug/L	50	53.3	107	83-124	
1,2-Dichlorobenzene	ug/L	50	49.9	100	80-133	
1,2-Dichloroethane	ug/L	50	48.8	98	67-128	

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(828)254-7176

QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1322893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	51.6	103	75-132	
1,3-Dichlorobenzene	ug/L	50	49.2	98	77-130	
1,3-Dichloropropane	ug/L	50	51.3	103	76-131	
1,4-Dichlorobenzene	ug/L	50	48.9	98	78-130	
2,2-Dichloropropane	ug/L	50	53.8	108	40-160	
2-Butanone (MEK)	ug/L	100	98.4	98	61-144	
2-Hexanone	ug/L	100	102	102	68-143	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	72-135	
Acetone	ug/L	100	105	105	48-146	
Acetonitrile	ug/L	500	413	83	62-150	
Acrolein	ug/L	250	309	123	24-160	
Acrylonitrile	ug/L	250	261	104	40-160	
Allyl chloride	ug/L	50	46.0	92	66-137	
Benzene	ug/L	50	47.9	96	80-125	
Bromochloromethane	ug/L	50	49.8	100	71-125	
Bromodichloromethane	ug/L	50	52.2	104	78-124	
Bromoform	ug/L	50	44.5	89	71-128	
Bromomethane	ug/L	50	55.2	110	40-160	
Carbon disulfide	ug/L	50	51.9	104	50-160	
Carbon tetrachloride	ug/L	50	53.2	106	69-131	
Chlorobenzene	ug/L	50	49.5	99	81-122	
Chloroethane	ug/L	50	62.6	125	39-148	
Chloroform	ug/L	50	49.7	99	73-127	
Chloromethane	ug/L	50	54.9	110	44-146	
Chloroprene	ug/L	50	50.0	100	75-145	
cis-1,2-Dichloroethene	ug/L	50	53.5	107	74-124	
cis-1,3-Dichloropropene	ug/L	50	50.5	101	72-132	
Dibromochloromethane	ug/L	50	47.7	95	78-125	
Dibromomethane	ug/L	50	50.1	100	82-120	
Dichlorodifluoromethane	ug/L	50	63.9	128	34-157	
Ethyl methacrylate	ug/L	50	53.6	107	82-121	
Ethylbenzene	ug/L	50	48.5	97	79-121	
Iodomethane	ug/L	100	146	146	39-154	
Isobutanol	ug/L	1000	839	84	34-160	
m&p-Xylene	ug/L	100	96.2	96	81-124	
Methacrylonitrile	ug/L	500	513	103	74-134	
Methyl methacrylate	ug/L	50	55.7	111	84-124	
Methylene Chloride	ug/L	50	53.1	106	64-133	
Naphthalene	ug/L	50	53.5	107	73-133	
o-Xylene	ug/L	50	48.4	97	79-131	
Propionitrile	ug/L	500	487	97	73-140	
Styrene	ug/L	50	53.0	106	84-126	
Tetrachloroethene	ug/L	50	49.9	100	78-122	
Toluene	ug/L	50	51.0	102	80-121	
trans-1,2-Dichloroethene	ug/L	50	52.6	105	71-127	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	69-141	
trans-1,4-Dichloro-2-butene	ug/L	50	75.0	150	40-160	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1322893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	50	49.1	98	78-122	
Trichlorofluoromethane	ug/L	50	49.4	99	53-137	
Vinyl acetate	ug/L	100	93.1	93	40-160	
Vinyl chloride	ug/L	50	55.4	111	58-137	
Xylene (Total)	ug/L	150	145	96	81-126	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE SAMPLE: 1322894

Parameter	Units	92222561007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	20	21.8	109	70-130	
1,1,1-Trichloroethane	ug/L	<0.48	20	23.7	118	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<0.40	20	20.8	104	70-130	
1,1,2-Trichloroethane	ug/L	<0.29	20	22.5	112	70-130	
1,1-Dichloroethane	ug/L	4.0	20	24.1	101	70-130	
1,1-Dichloroethene	ug/L	<0.56	20	25.1	126	70-166	
1,1-Dichloropropene	ug/L	<0.49	20	23.4	117	70-130	
1,2,3-Trichloropropane	ug/L	<0.41	20	21.4	107	70-130	
1,2,4-Trichlorobenzene	ug/L	<0.35	20	23.1	115	70-130	
1,2-Dibromo-3-chloropropane	ug/L	<2.0	20	18.1	90	70-130	
1,2-Dibromoethane (EDB)	ug/L	<0.27	20	22.6	113	70-130	
1,2-Dichlorobenzene	ug/L	<0.30	20	22.5	111	70-130	
1,2-Dichloroethane	ug/L	<0.12	20	19.9	99	70-130	
1,2-Dichloropropane	ug/L	<0.27	20	22.2	111	70-130	
1,3-Dichlorobenzene	ug/L	<0.24	20	22.8	114	70-130	
1,3-Dichloropropane	ug/L	<0.28	20	21.9	110	70-130	
1,4-Dichlorobenzene	ug/L	12.8	20	25.2	62	70-130	M0
2,2-Dichloropropane	ug/L	<0.13	20	20.1	101	70-130	
2-Butanone (MEK)	ug/L	<0.96	40	33.0	82	70-130	
2-Hexanone	ug/L	<0.46	40	41.3	103	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	40	40.8	102	70-130	
Acetone	ug/L	<10.0	40	36.1	82	70-130	
Acetonitrile	ug/L	<2.2	200	166	83	70-130	
Acrolein	ug/L	<1.6	100	101	101	70-130	
Acrylonitrile	ug/L	<1.9	100	108	108	70-130	
Allyl chloride	ug/L	<1.5	20	19.2	96	70-130	
Benzene	ug/L	2.4	20	25.1	114	70-148	
Bromochloromethane	ug/L	<0.17	20	23.8	119	70-130	
Bromodichloromethane	ug/L	<0.18	20	21.9	109	70-130	
Bromoform	ug/L	<0.26	20	18.8	94	70-130	
Bromomethane	ug/L	<0.29	20	25.9	130	70-130	
Carbon disulfide	ug/L	<1.2	20	22.5	112	70-130	
Carbon tetrachloride	ug/L	<0.25	20	24.8	124	70-130	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE SAMPLE: 1322894

Parameter	Units	92222561007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	4.1	20	28.4	121	70-146	
Chloroethane	ug/L	<0.54	20	30.3	151	70-130	M0
Chloroform	ug/L	<0.14	20	22.0	110	70-130	
Chloromethane	ug/L	<0.11	20	20.9	104	70-130	
Chloroprene	ug/L	<0.27	20	22.4	112	70-130	
cis-1,2-Dichloroethene	ug/L	7.9	20	25.5	88	70-130	
cis-1,3-Dichloropropene	ug/L	<0.13	20	20.1	100	70-130	
Dibromochloromethane	ug/L	<0.21	20	20.6	103	70-130	
Dibromomethane	ug/L	<0.21	20	22.9	114	70-130	
Dichlorodifluoromethane	ug/L	<0.21	20	28.1	141	70-130	M0
Ethyl methacrylate	ug/L	<0.20	20	21.9	109	70-130	
Ethylbenzene	ug/L	0.48J	20	23.3	114	70-130	
Iodomethane	ug/L	<0.32	40	55.3	138	70-130	M0
Isobutanol	ug/L	<35.0	400	346	86	70-130	
m&p-Xylene	ug/L	3.8	40	47.7	110	70-130	
Methacrylonitrile	ug/L	<0.93	200	206	103	70-130	
Methyl methacrylate	ug/L	<2.0	20	21.8	109	70-130	
Methylene Chloride	ug/L	<0.97	20	21.1	105	70-130	
Naphthalene	ug/L	2.2	20	23.8	108	70-130	
o-Xylene	ug/L	3.9	20	23.1	96	70-130	
Propionitrile	ug/L	<3.6	200	189	94	70-130	
Styrene	ug/L	<0.26	20	24.3	121	70-130	
Tetrachloroethene	ug/L	0.60J	20	22.8	111	70-130	
Toluene	ug/L	<0.26	20	23.3	116	70-155	
trans-1,2-Dichloroethene	ug/L	<0.49	20	24.1	120	70-130	
trans-1,3-Dichloropropene	ug/L	<0.26	20	20.6	103	70-130	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	20	19.6	98	70-130	
Trichloroethene	ug/L	0.71J	20	23.0	111	69-151	
Trichlorofluoromethane	ug/L	<0.20	20	24.4	122	70-130	
Vinyl acetate	ug/L	<0.35	40	29.9	75	70-130	
Vinyl chloride	ug/L	<0.62	20	24.7	122	70-130	
1,2-Dichloroethane-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1322895

Parameter	Units	92222561007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.33	<0.33			
1,1,1-Trichloroethane	ug/L	<0.48	<0.48			
1,1,2,2-Tetrachloroethane	ug/L	<0.40	<0.40			
1,1,2-Trichloroethane	ug/L	<0.29	<0.29			
1,1-Dichloroethane	ug/L	4.0	<0.32			
1,1-Dichloroethene	ug/L	<0.56	<0.56			
1,1-Dichloropropene	ug/L	<0.49	<0.49			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

SAMPLE DUPLICATE: 1322895

Parameter	Units	92222561007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	<0.41	<0.41			
1,2,4-Trichlorobenzene	ug/L	<0.35	<0.35			
1,2-Dibromo-3-chloropropane	ug/L	<2.0	<2.0			
1,2-Dibromoethane (EDB)	ug/L	<0.27	<0.27			
1,2-Dichlorobenzene	ug/L	<0.30	0.45J			
1,2-Dichloroethane	ug/L	<0.12	<0.12			
1,2-Dichloropropane	ug/L	<0.27	<0.27			
1,3-Dichlorobenzene	ug/L	<0.24	<0.24			
1,3-Dichloropropane	ug/L	<0.28	<0.28			
1,4-Dichlorobenzene	ug/L	12.8	6.0	73		
2,2-Dichloropropane	ug/L	<0.13	<0.13			
2-Butanone (MEK)	ug/L	<0.96	<0.96			
2-Hexanone	ug/L	<0.46	<0.46			
4-Methyl-2-pentanone (MIBK)	ug/L	<0.33	<0.33			
Acetone	ug/L	<10.0	<10.0			
Acetonitrile	ug/L	<2.2	<2.2			
Acrolein	ug/L	<1.6	<1.6			
Acrylonitrile	ug/L	<1.9	<1.9			
Allyl chloride	ug/L	<1.5	<1.5			
Benzene	ug/L	2.4	1.3	62		
Bromochloromethane	ug/L	<0.17	<0.17			
Bromodichloromethane	ug/L	<0.18	<0.18			
Bromoform	ug/L	<0.26	<0.26			
Bromomethane	ug/L	<0.29	<0.29			
Carbon disulfide	ug/L	<1.2	<1.2			
Carbon tetrachloride	ug/L	<0.25	<0.25			
Chlorobenzene	ug/L	4.1	6.1	39		
Chloroethane	ug/L	<0.54	<0.54			
Chloroform	ug/L	<0.14	<0.14			
Chloromethane	ug/L	<0.11	<0.11			
Chloroprene	ug/L	<0.27	<0.27			
cis-1,2-Dichloroethene	ug/L	7.9	5.7	33		
cis-1,3-Dichloropropene	ug/L	<0.13	<0.13			
Dibromochloromethane	ug/L	<0.21	<0.21			
Dibromomethane	ug/L	<0.21	<0.21			
Dichlorodifluoromethane	ug/L	<0.21	<0.21			
Ethyl methacrylate	ug/L	<0.20	<0.20			
Ethylbenzene	ug/L	0.48J	<0.30			
Iodomethane	ug/L	<0.32	<0.32			
Isobutanol	ug/L	<35.0	<35.0			
m&p-Xylene	ug/L	3.8	<0.66			
Methacrylonitrile	ug/L	<0.93	<0.93			
Methyl methacrylate	ug/L	<2.0	<2.0			
Methylene Chloride	ug/L	<0.97	<0.97			
Naphthalene	ug/L	2.2	<0.24			
o-Xylene	ug/L	3.9	<0.23			
Propionitrile	ug/L	<3.6	<3.6			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

SAMPLE DUPLICATE: 1322895

Parameter	Units	92222561007 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/L	<0.26	<0.26			
Tetrachloroethene	ug/L	0.60J	<0.46			
Toluene	ug/L	<0.26	<0.26			
trans-1,2-Dichloroethene	ug/L	<0.49	<0.49			
trans-1,3-Dichloropropene	ug/L	<0.26	<0.26			
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0			
Trichloroethene	ug/L	0.71J	<0.47			
Trichlorofluoromethane	ug/L	<0.20	<0.20			
Vinyl acetate	ug/L	<0.35	<0.35			
Vinyl chloride	ug/L	<0.62	<0.62			
Xylene (Total)	ug/L	7.7	<0.66			
1,2-Dichloroethane-d4 (S)	%	100	101	1		
4-Bromofluorobenzene (S)	%	97	98	1		
Toluene-d8 (S)	%	99	97	1		

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: OEXT/30775 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005, 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1317811 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005, 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.050	0.050	10/31/14 18:31	
4,4'-DDE	ug/L	<0.050	0.050	10/31/14 18:31	
4,4'-DDT	ug/L	<0.050	0.050	10/31/14 18:31	
Aldrin	ug/L	<0.050	0.050	10/31/14 18:31	
alpha-BHC	ug/L	<0.050	0.050	10/31/14 18:31	
beta-BHC	ug/L	<0.050	0.050	10/31/14 18:31	
Chlordane (Technical)	ug/L	<0.20	0.20	10/31/14 18:31	
delta-BHC	ug/L	<0.050	0.050	10/31/14 18:31	
Dieldrin	ug/L	<0.050	0.050	10/31/14 18:31	
Endosulfan I	ug/L	<0.050	0.050	10/31/14 18:31	
Endosulfan II	ug/L	<0.050	0.050	10/31/14 18:31	
Endosulfan sulfate	ug/L	<0.050	0.050	10/31/14 18:31	
Endrin	ug/L	<0.050	0.050	10/31/14 18:31	
Endrin aldehyde	ug/L	<0.050	0.050	10/31/14 18:31	
Endrin ketone	ug/L	<0.050	0.050	10/31/14 18:31	
gamma-BHC (Lindane)	ug/L	<0.050	0.050	10/31/14 18:31	
Heptachlor	ug/L	<0.050	0.050	10/31/14 18:31	
Heptachlor epoxide	ug/L	<0.050	0.050	10/31/14 18:31	
Hexachlorobenzene	ug/L	<0.050	0.050	10/31/14 18:31	
Methoxychlor	ug/L	<0.15	0.15	10/31/14 18:31	
Mirex	ug/L	<0.15	0.15	10/31/14 18:31	
Toxaphene	ug/L	<0.20	0.20	10/31/14 18:31	
Decachlorobiphenyl (S)	%	85	20-130	10/31/14 18:31	
Tetrachloro-m-xylene (S)	%	71	20-130	10/31/14 18:31	

LABORATORY CONTROL SAMPLE: 1317812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.25	100	20-150	
4,4'-DDE	ug/L	.25	0.21	83	20-150	
4,4'-DDT	ug/L	.25	0.23	93	20-150	
Aldrin	ug/L	.25	0.16	66	20-150	
alpha-BHC	ug/L	.25	0.23	94	20-150	
beta-BHC	ug/L	.25	0.25	102	20-150	
delta-BHC	ug/L	.25	0.25	101	20-150	
Dieldrin	ug/L	.25	0.24	98	20-150	
Endosulfan I	ug/L	.25	0.24	96	20-150	
Endosulfan II	ug/L	.25	0.25	101	20-150	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1317812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endosulfan sulfate	ug/L	.25	0.25	101	20-150	
Endrin	ug/L	.25	0.25	102	20-150	
Endrin aldehyde	ug/L	.25	0.20	82	20-150	
Endrin ketone	ug/L	.25	0.25	100	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.23	94	20-150	
Heptachlor	ug/L	.25	0.19	77	20-150	
Heptachlor epoxide	ug/L	.25	0.23	94	20-150	
Hexachlorobenzene	ug/L	.25	0.19	75	20-150	
Methoxychlor	ug/L	.74	0.74	99	20-150	
Mirex	ug/L	.74	0.71	96	20-150	
Decachlorobiphenyl (S)	%			89	20-130	
Tetrachloro-m-xylene (S)	%			96	20-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317913 1317914

Parameter	Units	92222561004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L	<0.050	.5	.5	0.48	0.38	98	78	20-150	23	30	
4,4'-DDE	ug/L	<0.050	.5	.5	0.45	0.40	91	80	20-150	12	30	
4,4'-DDT	ug/L	<0.050	.5	.5	0.48	0.42	96	84	20-150	13	30	
Aldrin	ug/L	<0.050	.5	.5	0.43	0.38	86	76	20-150	13	30	
alpha-BHC	ug/L	<0.050	.5	.5	0.47	0.47	94	94	20-150	0	30	
beta-BHC	ug/L	<0.050	.5	.5	0.49	0.49	99	98	20-150	0	30	
delta-BHC	ug/L	<0.050	.5	.5	0.50	0.49	100	100	20-150	1	30	
Dieldrin	ug/L	<0.050	.5	.5	0.48	0.43	98	87	20-150	12	30	
Endosulfan I	ug/L	<0.050	.5	.5	0.49	0.43	98	88	20-150	12	30	
Endosulfan II	ug/L	<0.050	.5	.5	0.49	0.46	99	93	20-150	7	30	
Endosulfan sulfate	ug/L	<0.050	.5	.5	0.49	0.48	99	97	20-150	2	30	
Endrin	ug/L	<0.050	.5	.5	0.51	0.45	103	91	20-150	12	30	
Endrin aldehyde	ug/L	<0.050	.5	.5	0.43	0.43	87	87	20-150	0	30	
Endrin ketone	ug/L	<0.050	.5	.5	0.48	0.47	97	96	20-150	1	30	
gamma-BHC (Lindane)	ug/L	<0.050	.5	.5	0.47	0.47	94	94	20-150	0	30	
Heptachlor	ug/L	<0.050	.5	.5	0.44	0.38	88	76	20-150	15	30	
Heptachlor epoxide	ug/L	<0.050	.5	.5	0.47	0.43	95	87	20-150	9	30	
Hexachlorobenzene	ug/L	<0.050	.5	.5	0.40	0.39	81	79	20-150	2	30	
Methoxychlor	ug/L	<0.15	1.5	1.5	1.5	1.2	98	84	20-150	15	30	
Mirex	ug/L	<0.15	1.5	1.5	1.4	1.4	91	91	20-150	0	30	
Decachlorobiphenyl (S)	%						77	78	20-130			
Tetrachloro-m-xylene (S)	%						97	98	20-130			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: OEXT/30880 | Analysis Method: EPA 8082
QC Batch Method: EPA 3510 | Analysis Description: 8082 GCS PCB
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005, 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1321091 | Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005, 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.50	0.50	11/05/14 18:31	
PCB-1221 (Aroclor 1221)	ug/L	<0.50	0.50	11/05/14 18:31	
PCB-1232 (Aroclor 1232)	ug/L	<0.50	0.50	11/05/14 18:31	
PCB-1242 (Aroclor 1242)	ug/L	<0.50	0.50	11/05/14 18:31	
PCB-1248 (Aroclor 1248)	ug/L	<0.50	0.50	11/05/14 18:31	
PCB-1254 (Aroclor 1254)	ug/L	<0.50	0.50	11/05/14 18:31	
PCB-1260 (Aroclor 1260)	ug/L	<0.50	0.50	11/05/14 18:31	
Decachlorobiphenyl (S)	%	95	10-132	11/05/14 18:31	

LABORATORY CONTROL SAMPLE: 1321092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.7	95	50-150	
PCB-1260 (Aroclor 1260)	ug/L	5	4.7	95	50-150	
Decachlorobiphenyl (S)	%			92	10-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1321093 1321094

Parameter	Units	92222561001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	<0.50	10	10	9.0	9.7	90	97	50-150	7	30	
PCB-1260 (Aroclor 1260)	ug/L	<0.50	10	10	9.8	10.0	98	100	50-150	3	30	
Decachlorobiphenyl (S)	%						95	87	10-132			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: OEXT/19452 | Analysis Method: EPA 8141
QC Batch Method: EPA 3510 | Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005, 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1039729 | Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005, 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethoate	ug/L	<0.24	0.50	10/29/14 14:10	
Disulfoton	ug/L	<0.26	0.50	10/29/14 14:10	
Famphur	ug/L	<0.29	0.50	10/29/14 14:10	
Methyl parathion	ug/L	<0.27	0.50	10/29/14 14:10	
Parathion (Ethyl parathion)	ug/L	<0.47	1.0	10/29/14 14:10	
Phorate	ug/L	<0.42	1.0	10/29/14 14:10	
4-Chloro3nitrobenzotrifluoride	%	91	34.2-122	10/29/14 14:10	

LABORATORY CONTROL SAMPLE: 1039730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dimethoate	ug/L	2	1.3	65	11-158	
Disulfoton	ug/L	2	1.1	57	41-134	
Famphur	ug/L	2	1.2	61	38-143	
Methyl parathion	ug/L	2	1.2	60	39-153	
Parathion (Ethyl parathion)	ug/L	4	2.5	62	33-158	
Phorate	ug/L	4	2.3	58	33-158	
4-Chloro3nitrobenzotrifluoride	%			95	34.2-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1040281 1040282

Parameter	Units	92222561010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dimethoate	ug/L	<0.24	4	4	3.3	2.3	82	57	11-158	36	40	
Disulfoton	ug/L	<0.26	4	4	2.3	1.6	56	41	41-134	32	40	
Famphur	ug/L	<0.29	4	4	2.7	1.9	69	48	38-143	36	40	
Methyl parathion	ug/L	<0.27	4	4	2.7	2.0	67	49	39-153	31	40	
Parathion (Ethyl parathion)	ug/L	<0.47	8	8	5.6	4.0	69	50	33-158	32	40	
Phorate	ug/L	<0.42	8	8	7.5	5.2	94	64	33-158	38	40	
4-Chloro3nitrobenzotrifluoride	%						54	51	34.2-122			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: OEXT/19451 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 92222561001, 92222561002, 92222561003

METHOD BLANK: 1039727 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	<0.042	0.19	10/28/14 23:06	
2,4,5-TP (Silvex)	ug/L	<0.049	0.19	10/28/14 23:06	
2,4-D	ug/L	<0.22	0.94	10/28/14 23:06	
Dinoseb	ug/L	<0.057	0.19	10/28/14 23:06	
Pentachlorophenol	ug/L	<0.017	0.028	10/28/14 23:06	
2,4-DCAA (S)	%	94	66-130	10/28/14 23:06	

LABORATORY CONTROL SAMPLE: 1039728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	1.2	0.93	78	46-137	
2,4,5-TP (Silvex)	ug/L	1.2	1.2	101	63-133	
2,4-D	ug/L	6	5.7	96	40-137	
Dinoseb	ug/L	1.2	0.96	80	10-177	
Pentachlorophenol	ug/L	.18	0.24	133	70-144	
2,4-DCAA (S)	%			95	66-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1040178 1040179

Parameter	Units	92222561001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/L	<0.042	2.4	2.4	2.0	1.9	82	81	46-137	2	40	
2,4,5-TP (Silvex)	ug/L	0.057J	2.4	2.4	2.8	3.2	116	129	63-133	10	40	
2,4-D	ug/L	<0.22	12	12	13.5	13.2	112	110	40-137	2	40	
Dinoseb	ug/L	<0.057	2.4	2.4	1.8	1.7	75	67	10-177	10	40	
Pentachlorophenol	ug/L	<0.017	.36	.36	0.40	0.49	112	136	70-144	19	40	
2,4-DCAA (S)	%						102	101	66-130			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: OEXT/19465 | Analysis Method: EPA 8151
QC Batch Method: EPA 8151 | Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 92222561004, 92222561005

METHOD BLANK: 1040791 | Matrix: Water
Associated Lab Samples: 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	<0.042	0.19	10/30/14 02:25	
2,4,5-TP (Silvex)	ug/L	<0.049	0.19	10/30/14 02:25	
2,4-D	ug/L	<0.22	0.94	10/30/14 02:25	
Dinoseb	ug/L	<0.057	0.19	10/30/14 02:25	
Pentachlorophenol	ug/L	<0.017	0.028	10/30/14 02:25	
2,4-DCAA (S)	%	71	66-130	10/30/14 02:25	

LABORATORY CONTROL SAMPLE: 1040792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	1.2	0.83	69	46-137	
2,4,5-TP (Silvex)	ug/L	1.2	0.93	78	63-133	
2,4-D	ug/L	6	4.3	71	40-137	
Dinoseb	ug/L	1.2	0.76	63	10-177	
Pentachlorophenol	ug/L	.18	0.16	88	70-144	
2,4-DCAA (S)	%			75	66-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1040880 1040881

Parameter	Units	92222561005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/L	<0.042	2.4	2.4	1.8	1.7	77	71	46-137	7	40	
2,4,5-TP (Silvex)	ug/L	<0.049	2.4	2.4	1.9	1.8	81	77	63-133	5	40	
2,4-D	ug/L	<0.22	12	12	9.1	8.8	76	74	40-137	3	40	
Dinoseb	ug/L	<0.057	2.4	2.4	1.4	1.1	59	47	10-177	23	40	
Pentachlorophenol	ug/L	<0.017	.36	.36	0.34	0.34	96	93	70-144	3	40	
2,4-DCAA (S)	%						77	71	66-130			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: OEXT/19483 | Analysis Method: EPA 8151
QC Batch Method: EPA 8151 | Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1041940 | Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	<0.042	0.19	10/31/14 07:16	
2,4,5-TP (Silvex)	ug/L	<0.049	0.19	10/31/14 07:16	
2,4-D	ug/L	<0.22	0.94	10/31/14 07:16	
Dinoseb	ug/L	<0.057	0.19	10/31/14 07:16	
Pentachlorophenol	ug/L	<0.017	0.028	10/31/14 07:16	
2,4-DCAA (S)	%	80	66-130	10/31/14 07:16	

LABORATORY CONTROL SAMPLE: 1041941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	1.2	1.0	86	46-137	
2,4,5-TP (Silvex)	ug/L	1.2	1.1	94	63-133	
2,4-D	ug/L	6	5.3	88	40-137	
Dinoseb	ug/L	1.2	0.79	66	10-177	
Pentachlorophenol	ug/L	.18	0.19	105	70-144	
2,4-DCAA (S)	%			85	66-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1042807 1042808

Parameter	Units	92222561010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/L	<0.042	2.5	2.5	2.0	1.9	78	76	46-137	3	40	
2,4,5-TP (Silvex)	ug/L	<0.049	2.5	2.5	2.1	2.1	84	83	63-133	.7	40	
2,4-D	ug/L	<0.22	12.6	12.6	12.4	11.7	98	93	40-137	5	40	
Dinoseb	ug/L	<0.057	2.5	2.5	1.2	1.3	46	51	10-177	10	40	
Pentachlorophenol	ug/L	<0.017	.38	.38	0.39	0.40	102	106	70-144	4	40	
2,4-DCAA (S)	%						80	79	66-130			

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REPORT OF LABORATORY ANALYSIS

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(828)254-7176

QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: OEXT/30779 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

METHOD BLANK: 1317926 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	<1.3	10.0	11/06/14 11:59	
1,2,4-Trichlorobenzene	ug/L	<1.3	10.0	11/06/14 11:59	
1,2-Dichlorobenzene	ug/L	<0.71	10.0	11/06/14 11:59	
1,2-Diphenylhydrazine	ug/L	<0.74	10.0	11/06/14 11:59	
1,3,5-Trinitrobenzene	ug/L	<0.83	10.0	11/06/14 11:59	
1,3-Dichlorobenzene	ug/L	<0.78	10.0	11/06/14 11:59	
1,3-Dinitrobenzene	ug/L	<0.81	20.0	11/06/14 11:59	
1,4-Dichlorobenzene	ug/L	<0.81	10.0	11/06/14 11:59	
1,4-Dinitrobenzene	ug/L	<0.62	20.0	11/06/14 11:59	
1,4-Naphthoquinone	ug/L	<0.84	5.0	11/06/14 11:59	
1-Methylnaphthalene	ug/L	<0.92	10.0	11/06/14 11:59	
1-Naphthalenamine	ug/L	<0.54	5.0	11/06/14 11:59	
2,2'-Oxybis(1-chloropropane)	ug/L	<0.56	10.0	11/06/14 11:59	
2,3,4,6-Tetrachlorophenol	ug/L	<1.6	10.0	11/06/14 11:59	
2,3-Dibromo-1-propanol phosph	ug/L	<2.1	75.0	11/06/14 11:59	
2,3-Dichloroaniline	ug/L	<1.4	10.0	11/06/14 11:59	
2,4,5-Trichlorophenol	ug/L	<1.0	10.0	11/06/14 11:59	
2,4,6-Trichlorophenol	ug/L	<0.85	10.0	11/06/14 11:59	
2,4-Dichlorophenol	ug/L	<0.85	10.0	11/06/14 11:59	
2,4-Dimethylphenol	ug/L	<0.96	10.0	11/06/14 11:59	
2,4-Dinitrophenol	ug/L	<2.5	50.0	11/06/14 11:59	
2,4-Dinitrotoluene	ug/L	<0.92	10.0	11/06/14 11:59	
2,6-Dichlorophenol	ug/L	<1.7	10.0	11/06/14 11:59	
2,6-Dinitrotoluene	ug/L	<2.1	10.0	11/06/14 11:59	
2,6-Toluene diisocyanate	ug/L	<0.76	10.0	11/06/14 11:59	
2-Acetylaminofluorene	ug/L	<0.31	20.0	11/06/14 11:59	
2-Chloronaphthalene	ug/L	<1.0	10.0	11/06/14 11:59	
2-Chlorophenol	ug/L	<1.0	10.0	11/06/14 11:59	
2-Methyl-5-nitroaniline	ug/L	<1.0	10.0	11/06/14 11:59	
2-Methylnaphthalene	ug/L	<1.0	10.0	11/06/14 11:59	
2-Methylphenol(o-Cresol)	ug/L	<1.0	10.0	11/06/14 11:59	
2-Naphthalenamine	ug/L	<0.87	5.0	11/06/14 11:59	
2-Nitroaniline	ug/L	<1.5	50.0	11/06/14 11:59	
2-Nitrophenol	ug/L	<0.71	10.0	11/06/14 11:59	
2-Picoline	ug/L	<1.3	10.0	11/06/14 11:59	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	10.0	11/06/14 11:59	
3,3'-Dichlorobenzidine	ug/L	<0.69	20.0	11/06/14 11:59	
3,3'-Dimethylbenzidine	ug/L	<0.74	10.0	11/06/14 11:59	
3-Methylcholanthrene	ug/L	<0.37	10.0	11/06/14 11:59	
3-Nitroaniline	ug/L	<1.3	50.0	11/06/14 11:59	
4,4'-Methylene-bis(2-chloroani	ug/L	<0.94	50.0	11/06/14 11:59	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1317926 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,6-Dinitro-2-methylphenol	ug/L	<1.1	20.0	11/06/14 11:59	
4-Aminobiphenyl	ug/L	<0.32	10.0	11/06/14 11:59	
4-Bromophenylphenyl ether	ug/L	<1.0	10.0	11/06/14 11:59	
4-Chloro-3-methylphenol	ug/L	<2.0	20.0	11/06/14 11:59	
4-Chloroaniline	ug/L	<1.6	20.0	11/06/14 11:59	
4-Chlorophenylphenyl ether	ug/L	<1.1	10.0	11/06/14 11:59	
4-Nitroaniline	ug/L	<1.6	20.0	11/06/14 11:59	
4-Nitrophenol	ug/L	<3.9	50.0	11/06/14 11:59	
4-Nitroquinoline-n-oxide	ug/L	<1.9	50.0	11/06/14 11:59	
5-Nitro-o-toluidine	ug/L	<1.0	10.0	11/06/14 11:59	
7,12-Dimethylbenz(a)anthracene	ug/L	<0.51	10.0	11/06/14 11:59	
a,a-Dimethylphenylethylamine	ug/L	<1.5	50.0	11/06/14 11:59	
Acenaphthene	ug/L	<1.1	10.0	11/06/14 11:59	
Acenaphthylene	ug/L	<0.99	10.0	11/06/14 11:59	
Acetophenone	ug/L	<0.83	10.0	11/06/14 11:59	
Aniline	ug/L	<0.80	10.0	11/06/14 11:59	
Anthracene	ug/L	<0.47	10.0	11/06/14 11:59	
Aramite	ug/L	<0.41	100	11/06/14 11:59	
Atrazine	ug/L	<0.67	20.0	11/06/14 11:59	
Benzal chloride	ug/L	<1.8	50.0	11/06/14 11:59	
Benzaldehyde	ug/L	<4.7	20.0	11/06/14 11:59	
Benzidine	ug/L	<0.32	50.0	11/06/14 11:59	
Benzo(a)anthracene	ug/L	<0.47	10.0	11/06/14 11:59	
Benzo(a)pyrene	ug/L	<0.57	10.0	11/06/14 11:59	
Benzo(b)fluoranthene	ug/L	<0.44	10.0	11/06/14 11:59	
Benzo(g,h,i)perylene	ug/L	<0.45	10.0	11/06/14 11:59	
Benzo(k)fluoranthene	ug/L	<0.53	10.0	11/06/14 11:59	
Benzoic Acid	ug/L	<4.9	50.0	11/06/14 11:59	
Benzophenone	ug/L	<1.6	10.0	11/06/14 11:59	
Benzyl alcohol	ug/L	<2.1	20.0	11/06/14 11:59	
Biphenyl (Diphenyl)	ug/L	<0.94	10.0	11/06/14 11:59	
bis(2-Chloroethoxy)methane	ug/L	<1.3	10.0	11/06/14 11:59	
bis(2-Chloroethyl) ether	ug/L	<0.89	10.0	11/06/14 11:59	
bis(2-Chloroisopropyl) ether	ug/L	<0.86	10.0	11/06/14 11:59	
bis(2-Ethylhexyl)phthalate	ug/L	<0.49	6.0	11/06/14 11:59	
Butylbenzylphthalate	ug/L	<0.48	10.0	11/06/14 11:59	
Caprolactam	ug/L	<1.1	10.0	11/06/14 11:59	
Carbazole	ug/L	<0.53	10.0	11/06/14 11:59	
Chlorobenzilate	ug/L	<0.40	10.0	11/06/14 11:59	
Chrysene	ug/L	<0.49	10.0	11/06/14 11:59	
Di-n-butylphthalate	ug/L	<0.37	10.0	11/06/14 11:59	
Di-n-octylphthalate	ug/L	<0.12	10.0	11/06/14 11:59	
Diallate	ug/L	<0.96	10.0	11/06/14 11:59	
Dibenz(a,h)anthracene	ug/L	<0.49	10.0	11/06/14 11:59	
Dibenzo(a,e)pyrene	ug/L	<0.32	50.0	11/06/14 11:59	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1317926 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/L	<1.0	10.0	11/06/14 11:59	
Diethylphthalate	ug/L	<0.91	10.0	11/06/14 11:59	
Dimethylphthalate	ug/L	<0.62	10.0	11/06/14 11:59	
Dinoseb	ug/L	<0.43	20.0	11/06/14 11:59	
Diphenyl ether (Phenyl ether)	ug/L	<1.3	10.0	11/06/14 11:59	
Diphenylamine	ug/L	<0.64	10.0	11/06/14 11:59	
Ethyl methanesulfonate	ug/L	<1.3	20.0	11/06/14 11:59	
Fluoranthene	ug/L	<0.41	10.0	11/06/14 11:59	
Fluorene	ug/L	<1.0	10.0	11/06/14 11:59	
Hexachloro-1,3-butadiene	ug/L	<0.90	10.0	11/06/14 11:59	
Hexachlorobenzene	ug/L	<0.76	10.0	11/06/14 11:59	
Hexachlorocyclopentadiene	ug/L	<1.1	10.0	11/06/14 11:59	
Hexachloroethane	ug/L	<0.90	10.0	11/06/14 11:59	
Hexachlorophene	ug/L	<1.9	100	11/06/14 11:59	
Hexachloropropene	ug/L	<1.4	10.0	11/06/14 11:59	
Indeno(1,2,3-cd)pyrene	ug/L	<0.53	10.0	11/06/14 11:59	
Isodrin	ug/L	<0.75	20.0	11/06/14 11:59	
Isophorone	ug/L	<0.92	10.0	11/06/14 11:59	
Isosafrole	ug/L	<1.2	10.0	11/06/14 11:59	
Kepone	ug/L	<1.6	10.0	11/06/14 11:59	
Methapyrilene	ug/L	<1.3	50.0	11/06/14 11:59	
Methyl methanesulfonate	ug/L	<1.2	5.0	11/06/14 11:59	
n-Decane	ug/L	<0.78	10.0	11/06/14 11:59	
N-Nitroso-di-n-butylamine	ug/L	<1.3	10.0	11/06/14 11:59	
N-Nitroso-di-n-propylamine	ug/L	<0.85	10.0	11/06/14 11:59	
N-Nitrosodiethylamine	ug/L	<0.91	20.0	11/06/14 11:59	
N-Nitrosodimethylamine	ug/L	<0.94	10.0	11/06/14 11:59	
N-Nitrosodiphenylamine	ug/L	<0.64	10.0	11/06/14 11:59	
N-Nitrosomethylethylamine	ug/L	<0.61	10.0	11/06/14 11:59	
N-Nitrosomorpholine	ug/L	<1.1	10.0	11/06/14 11:59	
N-Nitrosopiperidine	ug/L	<1.2	20.0	11/06/14 11:59	
N-Nitrosopyrrolidine	ug/L	<1.1	10.0	11/06/14 11:59	
n-Octadecane	ug/L	<0.76	10.0	11/06/14 11:59	
Naphthalene	ug/L	<0.93	10.0	11/06/14 11:59	
Nitrobenzene	ug/L	<1.0	10.0	11/06/14 11:59	
O,O,O-Triethylphosphorothioate	ug/L	<1.4	10.0	11/06/14 11:59	
O-Toluidine	ug/L	<0.72	10.0	11/06/14 11:59	
P-Dimethylaminoazobenzene	ug/L	<0.23	5.0	11/06/14 11:59	
p-Phenylenediamine	ug/L	<0.96	10.0	11/06/14 11:59	
Pentachlorobenzene	ug/L	<1.5	10.0	11/06/14 11:59	
Pentachloroethane	ug/L	<1.1	20.0	11/06/14 11:59	
Pentachloronitrobenzene	ug/L	<0.79	20.0	11/06/14 11:59	
Pentachlorophenol	ug/L	<1.2	25.0	11/06/14 11:59	
Phenacetin	ug/L	<0.54	20.0	11/06/14 11:59	
Phenanthrene	ug/L	<0.53	10.0	11/06/14 11:59	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1317926 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenol	ug/L	<1.1	10.0	11/06/14 11:59	
Phthalic anhydride	ug/L	<1.2	75.0	11/06/14 11:59	
Pronamide	ug/L	<0.58	10.0	11/06/14 11:59	
Pyrene	ug/L	<0.49	10.0	11/06/14 11:59	
Pyridine	ug/L	<0.75	10.0	11/06/14 11:59	
Safrole	ug/L	<1.4	10.0	11/06/14 11:59	
Sulfotepp (Thiodiphosphoric Ac	ug/L	<0.96	20.0	11/06/14 11:59	
Terpineol	ug/L	<1.4	10.0	11/06/14 11:59	
Thionazin	ug/L	<0.86	20.0	11/06/14 11:59	
2,4,6-Tribromophenol (S)	%	64	27-110	11/06/14 11:59	
2-Fluorobiphenyl (S)	%	74	27-110	11/06/14 11:59	
2-Fluorophenol (S)	%	37	12-110	11/06/14 11:59	
Nitrobenzene-d5 (S)	%	62	21-110	11/06/14 11:59	
Phenol-d6 (S)	%	27	10-110	11/06/14 11:59	
Terphenyl-d14 (S)	%	74	31-107	11/06/14 11:59	

LABORATORY CONTROL SAMPLE: 1317927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	37.1	74	16-129	
1,2,4-Trichlorobenzene	ug/L	50	26.1	52	31-120	
1,2-Dichlorobenzene	ug/L	50	31.5	63	38-120	
1,2-Diphenylhydrazine	ug/L	50	34.7	69	42-120	
1,3,5-Trinitrobenzene	ug/L	50	36.2	72	55-125	
1,3-Dichlorobenzene	ug/L	50	30.7	61	30-122	
1,3-Dinitrobenzene	ug/L	50	38.5	77	30-122	
1,4-Dichlorobenzene	ug/L	50	31.4	63	37-120	
1,4-Dinitrobenzene	ug/L	50	41.7	83	54-120	
1,4-Naphthoquinone	ug/L	50	34.4	69	31-120	
1-Methylnaphthalene	ug/L	50	29.2	58	34-113	
1-Naphthalenamine	ug/L	50	33.9	68	37-126	
2,2'-Oxybis(1-chloropropane)	ug/L	50	30.8	62	18-120	
2,3,4,6-Tetrachlorophenol	ug/L	50	75.4	151	54-276	
2,3-Dibromo-1-propanol phosph	ug/L	200	266	133	51-134	
2,3-Dichloroaniline	ug/L	50	42.6	85	38-152	
2,4,5-Trichlorophenol	ug/L	50	38.4	77	43-113	
2,4,6-Trichlorophenol	ug/L	50	35.7	71	42-120	
2,4-Dichlorophenol	ug/L	50	29.0	58	30-120	
2,4-Dimethylphenol	ug/L	50	28.1	56	29-111	
2,4-Dinitrophenol	ug/L	250	167	67	19-132	
2,4-Dinitrotoluene	ug/L	50	40.7	81	58-128	
2,6-Dichlorophenol	ug/L	50	37.7	75	54-128	
2,6-Dinitrotoluene	ug/L	50	40.9	82	54-129	
2,6-Toluene diisocyanate	ug/L	50	40.8	82	83-125	L2

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1317927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Acetylaminofluorene	ug/L	50	41.9	84	81-160	
2-Chloronaphthalene	ug/L	50	41.1	82	43-117	
2-Chlorophenol	ug/L	50	31.7	63	37-120	
2-Methyl-5-nitroaniline	ug/L	50	42.7	85	74-187	
2-Methylnaphthalene	ug/L	50	28.4	57	33-120	
2-Methylphenol(o-Cresol)	ug/L	50	26.2	52	31-120	
2-Naphthalenamine	ug/L	50	28.5	57	41-136	
2-Nitroaniline	ug/L	100	68.6	69	48-121	
2-Nitrophenol	ug/L	50	27.6	55	25-116	
2-Picoline	ug/L	50	3.0J	6	25-116	L2
3&4-Methylphenol(m&p Cresol)	ug/L	50	23.9	48	23-120	
3,3'-Dichlorobenzidine	ug/L	250	83.9	34	10-154	
3,3'-Dimethylbenzidine	ug/L	100	46.1	46	10-157	
3-Methylcholanthrene	ug/L	50	43.9	88	65-130	
3-Nitroaniline	ug/L	100	74.2	74	43-115	
4,4'-Methylene-bis(2-chloroani	ug/L	100	84.0	84	56-118	
4,6-Dinitro-2-methylphenol	ug/L	100	71.5	72	44-124	
4-Aminobiphenyl	ug/L	50	37.5	75	21-125	
4-Bromophenylphenyl ether	ug/L	50	39.1	78	34-113	
4-Chloro-3-methylphenol	ug/L	100	56.0	56	31-110	
4-Chloroaniline	ug/L	100	55.8	56	20-120	
4-Chlorophenylphenyl ether	ug/L	50	41.5	83	34-116	
4-Nitroaniline	ug/L	100	88.3	88	46-128	
4-Nitrophenol	ug/L	250	81.3	33	11-120	
4-Nitroquinoline-n-oxide	ug/L	100	97.7	98	10-135	
5-Nitro-o-toluidine	ug/L	50	42.7	85	78-160	
7,12-Dimethylbenz(a)anthracene	ug/L	50	40.3	81	47-124	
a,a-Dimethylphenylethylamine	ug/L	50	29.5J	59	10-193	
Acenaphthene	ug/L	50	38.0	76	48-114	
Acenaphthylene	ug/L	50	37.6	75	48-112	
Acetophenone	ug/L	50	36.5	73	24-120	
Aniline	ug/L	50	23.1	46	26-120	
Anthracene	ug/L	50	40.4	81	57-118	
Aramite	ug/L	100	29.6J	30	30-120	
Atrazine	ug/L	50	50.0	100	33-160	
Benzal chloride	ug/L	50	33.0J	66	39-147	
Benzaldehyde	ug/L	50	23.4	47	10-120	
Benzidine	ug/L	250	2.0J	1	10-120	L2
Benzo(a)anthracene	ug/L	50	41.6	83	56-121	
Benzo(a)pyrene	ug/L	50	43.9	88	55-127	
Benzo(b)fluoranthene	ug/L	50	42.6	85	53-128	
Benzo(g,h,i)perylene	ug/L	50	46.2	92	54-125	
Benzo(k)fluoranthene	ug/L	50	42.6	85	51-123	
Benzoic Acid	ug/L	250	37.8J	15	10-120	
Benzophenone	ug/L	50	35.9	72	55-112	
Benzyl alcohol	ug/L	100	59.1	59	27-120	
Biphenyl (Diphenyl)	ug/L	50	39.0	78	38-120	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1317927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	50	35.7	71	32-120	
bis(2-Chloroethyl) ether	ug/L	50	34.0	68	33-111	
bis(2-Chloroisopropyl) ether	ug/L	50	30.8	62	15-120	
bis(2-Ethylhexyl)phthalate	ug/L	50	35.0	70	50-145	
Butylbenzylphthalate	ug/L	50	35.7	71	54-138	
Caprolactam	ug/L	50	9.6J	19	10-115	
Carbazole	ug/L	50	41.2	82	59-119	
Chlorobenzilate	ug/L	50	33.7	67	65-132	
Chrysene	ug/L	50	42.3	85	58-127	
Di-n-butylphthalate	ug/L	50	39.8	80	56-125	
Di-n-octylphthalate	ug/L	50	34.5	69	50-134	
Diallate	ug/L	50	36.9	74	47-123	
Dibenz(a,h)anthracene	ug/L	50	46.6	93	53-129	
Dibenzo(a,e)pyrene	ug/L	50	45.9J	92	57-120	
Dibenzofuran	ug/L	50	41.2	82	45-120	
Diethylphthalate	ug/L	50	39.5	79	53-120	
Dimethylphthalate	ug/L	50	39.3	79	55-116	
Dinoseb	ug/L	50	36.0	72	24-160	
Diphenyl ether (Phenyl ether)	ug/L	50	35.8	72	51-120	
Diphenylamine	ug/L	50	38.2	76	42-120	
Ethyl methanesulfonate	ug/L	50	32.7	65	43-120	
Fluoranthene	ug/L	50	49.4	99	57-125	
Fluorene	ug/L	50	41.7	83	53-118	
Hexachloro-1,3-butadiene	ug/L	50	26.6	53	23-120	
Hexachlorobenzene	ug/L	50	38.3	77	49-116	
Hexachlorocyclopentadiene	ug/L	50	32.8	66	26-158	
Hexachloroethane	ug/L	50	32.8	66	30-114	
Hexachlorophene	ug/L	500	257	51	10-130	
Hexachloropropene	ug/L	50	30.4	61	13-137	
Indeno(1,2,3-cd)pyrene	ug/L	50	37.8	76	55-128	
Isodrin	ug/L	50	44.8	90	68-129	
Isophorone	ug/L	50	27.7	55	31-118	
Isosafrole	ug/L	50	36.2	72	48-107	
Kepone	ug/L	100	40.6	41	10-124	
Methapyrilene	ug/L	50	6.9J	14	40-160	L2
Methyl methanesulfonate	ug/L	50	26.8	54	25-114	
n-Decane	ug/L	50	24.6	49	14-125	
N-Nitroso-di-n-butylamine	ug/L	50	28.6	57	36-115	
N-Nitroso-di-n-propylamine	ug/L	50	33.3	67	32-119	
N-Nitrosodiethylamine	ug/L	50	32.1	64	47-115	
N-Nitrosodimethylamine	ug/L	50	19.2	38	13-120	
N-Nitrosodiphenylamine	ug/L	50	38.2	76	43-120	
N-Nitrosomethylethylamine	ug/L	50	29.9	60	39-120	
N-Nitrosomorpholine	ug/L	50	25.1	50	40-126	
N-Nitrosopiperidine	ug/L	50	31.5	63	43-113	
N-Nitrosopyrrolidine	ug/L	50	24.3	49	32-110	
n-Octadecane	ug/L	50	34.6	69	51-127	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1317927

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	27.3	55	32-120	
Nitrobenzene	ug/L	50	26.2	52	33-110	
O,O,O-Triethylphosphorothioate	ug/L	50	40.2	80	51-127	
O-Toluidine	ug/L	50	25.4	51	27-120	
P-Dimethylaminoazobenzene	ug/L	100	15.6	16	10-120	
p-Phenylenediamine	ug/L	50	45.8	92	72-143	
Pentachlorobenzene	ug/L	50	39.9	80	30-137	
Pentachloroethane	ug/L	50	30.2	60	51-117	
Pentachloronitrobenzene	ug/L	50	47.9	96	70-124	
Pentachlorophenol	ug/L	250	63.5	25	10-137	
Phenacetin	ug/L	50	43.1	86	60-130	
Phenanthrene	ug/L	50	39.8	80	57-117	
Phenol	ug/L	50	13.5	27	10-120	
Phthalic anhydride	ug/L	50	33.7J	67	36-112	
Pronamide	ug/L	50	41.5	83	75-124	
Pyrene	ug/L	50	31.4	63	55-122	
Pyridine	ug/L	50	6.0J	12	10-120	
Safrole	ug/L	50	36.1	72	41-120	
Sulfotepp (Thiodiphosphoric Ac	ug/L	50	36.6	73	31-135	
Terpineol	ug/L	50	35.6	71	33-159	
Thionazin	ug/L	50	37.8	76	63-137	
2,4,6-Tribromophenol (S)	%			69	27-110	
2-Fluorobiphenyl (S)	%			73	27-110	
2-Fluorophenol (S)	%			36	12-110	
Nitrobenzene-d5 (S)	%			49	21-110	
Phenol-d6 (S)	%			25	10-110	
Terphenyl-d14 (S)	%			61	31-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317928 1317929

Parameter	Units	92222561002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	<1.3	100	100	83.3	98.9	83	99	50-150	17	30	
1,2,4-Trichlorobenzene	ug/L	<1.3	100	100	60.0	65.5	60	65	10-110	9	30	
1,2-Dichlorobenzene	ug/L	<0.71	100	100	70.0	80.6	70	81	10-110	14	30	
1,2-Diphenylhydrazine	ug/L	<0.74	100	100	79.5	89.6	79	90	50-150	12	30	
1,3,5-Trinitrobenzene	ug/L	<0.83	100	100	85.1	86.3	85	86	50-150	2	30	
1,3-Dichlorobenzene	ug/L	<0.78	100	100	68.6	78.9	69	79	10-110	14	30	
1,3-Dinitrobenzene	ug/L	<0.81	100	100	82.2	82.1	82	82	50-150	0	30	
1,4-Dichlorobenzene	ug/L	<0.81	100	100	72.4	83.5	72	84	10-110	14	30	
1,4-Dinitrobenzene	ug/L	<0.62	100	100	89.7	89.9	90	90	50-150	0	30	
1,4-Naphthoquinone	ug/L	<0.84	100	100	78.8	85.9	79	86	50-150	9	30	
1-Methylnaphthalene	ug/L	<0.92	100	100	61.2	65.9	61	66	14-110	7	30	
1-Naphthalenamine	ug/L	<0.54	100	100	67.9	54.2	68	54	50-150	22	30	
2,2'-Oxybis(1-chloropropane)	ug/L	<0.56	100	100	63.3	72.9	63	73	50-150	14	30	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317928 1317929

Parameter	Units	92222561002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,3,4,6-Tetrachlorophenol	ug/L	<1.6	100	100	161	162	161	162	50-150	1	30	M1
2,3-Dibromo-1-propanol phosph	ug/L	<2.1	400	400	170	224	42	56	50-150	28	30	M1
2,3-Dichloroaniline	ug/L	<1.4	100	100	92.2	98.3	92	98	50-150	6	30	
2,4,5-Trichlorophenol	ug/L	<1.0	100	100	85.1	84.9	85	85	19-105	0	30	
2,4,6-Trichlorophenol	ug/L	<0.85	100	100	78.0	85.1	78	85	13-108	9	30	
2,4-Dichlorophenol	ug/L	<0.85	100	100	60.6	65.4	61	65	29-111	8	30	
2,4-Dimethylphenol	ug/L	<0.96	100	100	60.5	63.9	60	64	21-103	6	30	
2,4-Dinitrophenol	ug/L	<2.5	500	500	365	350	73	70	10-109	4	30	
2,4-Dinitrotoluene	ug/L	<0.92	100	100	85.1	81.4	85	81	27-104	4	30	
2,6-Dichlorophenol	ug/L	<1.7	100	100	76.9	84.0	77	84	50-150	9	30	
2,6-Dinitrotoluene	ug/L	<2.1	100	100	88.7	91.1	89	91	28-101	3	30	
2,6-Toluene diisocyanate	ug/L	<0.76	100	100	93.8	88.6	94	89	50-150	6	30	
2-Acetylaminofluorene	ug/L	<0.31	100	100	99.2	102	99	102	50-150	3	30	
2-Chloronaphthalene	ug/L	<1.0	100	100	90.6	102	91	102	14-102	12	30	
2-Chlorophenol	ug/L	<1.0	100	100	68.9	80.5	69	80	16-110	15	30	
2-Methyl-5-nitroaniline	ug/L	<1.0	100	100	88.7	80.7	89	81	50-150	9	30	
2-Methylnaphthalene	ug/L	<1.0	100	100	60.5	65.2	60	65	13-110	8	30	
2-Methylphenol(o-Cresol)	ug/L	<1.0	100	100	57.8	67.6	58	68	19-110	16	30	
2-Naphthalenamine	ug/L	<0.87	100	100	61.1	43.9	61	44	50-150	33	30	M1,R1
2-Nitroaniline	ug/L	<1.5	200	200	144	147	72	74	26-103	2	30	
2-Nitrophenol	ug/L	<0.71	100	100	59.5	65.9	59	66	20-110	10	30	
2-Picoline	ug/L	<1.3	100	100	32.5	21.9	33	22	50-150	39	30	M0,R1
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	100	100	56.1	62.1	56	62	20-110	10	30	
3,3'-Dichlorobenzidine	ug/L	<0.69	500	500	178	168	36	34	25-112	6	30	
3,3'-Dimethylbenzidine	ug/L	<0.74	200	200	112	35.2	56	18	50-150	104	30	M1,R1
3-Methylcholanthrene	ug/L	<0.37	100	100	101	101	101	101	50-150	0	30	
3-Nitroaniline	ug/L	<1.3	200	200	159	148	80	74	29-110	7	30	
4,4'-Methylene-bis(2-chloroani	ug/L	<0.94	200	200	187	174	93	87	50-150	7	30	
4,6-Dinitro-2-methylphenol	ug/L	<1.1	200	200	169	167	84	83	10-117	1	30	
4-Aminobiphenyl	ug/L	<0.32	100	100	81.7	67.8	82	68	50-150	19	30	
4-Bromophenylphenyl ether	ug/L	<1.0	100	100	88.5	100	88	100	20-105	12	30	
4-Chloro-3-methylphenol	ug/L	<2.0	200	200	123	121	62	60	22-110	2	30	
4-Chloroaniline	ug/L	<1.6	200	200	112	105	56	52	20-100	6	30	
4-Chlorophenylphenyl ether	ug/L	<1.1	100	100	90.1	93.0	90	93	19-102	3	30	
4-Nitroaniline	ug/L	<1.6	200	200	176	149	88	74	29-110	17	30	
4-Nitrophenol	ug/L	<3.9	500	500	248	206	50	41	10-110	18	30	
4-Nitroquinoline-n-oxide	ug/L	<1.9	200	200	182	159	91	80	50-150	13	30	
5-Nitro-o-toluidine	ug/L	<1.0	100	100	88.7	80.7	89	81	50-150	9	30	
7,12-Dimethylbenz(a)anthracene	ug/L	<0.51	100	100	95.1	91.2	95	91	50-150	4	30	
a,a-Dimethylphenylethylamine	ug/L	<1.5	100	100	82.8J	44.1J	83	44	50-150		30	M1
Acenaphthene	ug/L	<1.1	100	100	83.6	88.4	84	88	17-100	6	30	
Acenaphthylene	ug/L	<0.99	100	100	81.9	88.7	82	89	21-100	8	30	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317928 1317929

Parameter	Units	92222561002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetophenone	ug/L	<0.83	100	100	73.2	83.7	73	84	50-150	13	30	
Aniline	ug/L	<0.80	100	100	55.2	51.6	55	52	10-110	7	30	
Anthracene	ug/L	<0.47	100	100	89.2	90.3	89	90	24-109	1	30	
Aramite	ug/L	<0.41	200	200	72.5J	68.0J	36	34	50-150		30	M1
Atrazine	ug/L	<0.67	100	100	111	109	111	109	50-150	2	30	
Benzal chloride	ug/L	<1.8	100	100	77.4J	79.8J	77	80	50-150		30	
Benzaldehyde	ug/L	<4.7	100	100	14.2J	16.4J	14	16	50-150		30	M1
Benzidine	ug/L	<0.32	500	500	51.1J	<0.64	10	0	50-150		30	M0,M1
Benzo(a)anthracene	ug/L	<0.47	100	100	93.5	93.2	94	93	22-117	0	30	
Benzo(a)pyrene	ug/L	<0.57	100	100	96.6	98.8	97	99	23-104	2	30	
Benzo(b)fluoranthene	ug/L	<0.44	100	100	101	100	101	100	23-103	1	30	
Benzo(g,h,i)perylene	ug/L	<0.45	100	100	100	106	100	106	18-111	6	30	
Benzo(k)fluoranthene	ug/L	<0.53	100	100	92.5	93.9	93	94	22-113	1	30	
Benzoic Acid	ug/L	<4.9	500	500	64.6J	134	13	27	10-110		30	
Benzophenone	ug/L	<1.6	100	100	81.3	88.0	81	88	50-150	8	30	
Benzyl alcohol	ug/L	<2.1	200	200	133	156	66	78	19-101	16	30	
Biphenyl (Diphenyl)	ug/L	<0.94	100	100	85.8	97.7	86	98	50-150	13	30	
bis(2-Chloroethoxy)methane	ug/L	<1.3	100	100	74.0	82.8	74	83	22-110	11	30	
bis(2-Chloroethyl) ether	ug/L	<0.89	100	100	69.7	79.6	70	80	16-110	13	30	
bis(2-Chloroisopropyl) ether	ug/L	<0.86	100	100	63.3	72.9	63	73	14-110	14	30	
bis(2-Ethylhexyl)phthalate	ug/L	<0.49	100	100	85.0	79.4	85	79	23-102	7	30	
Butylbenzylphthalate	ug/L	<0.48	100	100	85.3	79.4	85	79	25-110	7	30	
Caprolactam	ug/L	<1.1	100	100	31.7	29.5	32	30	50-150	7	30	M1
Carbazole	ug/L	<0.53	100	100	90.1	81.4	90	81	50-150	10	30	
Chlorobenzilate	ug/L	<0.40	100	100	79.6	76.0	80	76	50-150	5	30	
Chrysene	ug/L	<0.49	100	100	96.0	95.2	96	95	23-115	1	30	
Di-n-butylphthalate	ug/L	<0.37	100	100	92.8	87.9	93	88	26-110	5	30	
Di-n-octylphthalate	ug/L	<0.12	100	100	85.8	82.1	86	82	22-110	4	30	
Diallate	ug/L	<0.96	100	100	86.3	95.8	86	96	50-150	10	30	
Dibenz(a,h)anthracene	ug/L	<0.49	100	100	101	108	101	108	21-112	7	30	
Dibenzo(a,e)pyrene	ug/L	<0.32	100	100	101	110	101	110	50-150	9	30	
Dibenzofuran	ug/L	<1.0	100	100	89.7	93.6	90	94	19-102	4	30	
Diethylphthalate	ug/L	<0.91	100	100	86.1	84.1	86	84	29-110	2	30	
Dimethylphthalate	ug/L	<0.62	100	100	84.3	85.8	84	86	27-110	2	30	
Dinoseb	ug/L	<0.43	100	100	87.7	81.2	88	81	50-150	8	30	
Diphenyl ether (Phenyl ether)	ug/L	<1.3	100	100	80.5	90.9	80	91	50-150	12	30	
Diphenylamine	ug/L	<0.64	100	100	85.3	92.6	85	93	50-150	8	30	
Ethyl methanesulfonate	ug/L	<1.3	100	100	68.6	79.5	69	80	50-150	15	30	
Fluoranthene	ug/L	<0.41	100	100	111	95.2	111	95	23-112	15	30	
Fluorene	ug/L	<1.0	100	100	89.3	89.7	89	90	22-104	0	30	
Hexachloro-1,3-butadiene	ug/L	<0.90	100	100	64.0	70.7	64	71	10-110	10	30	
Hexachlorobenzene	ug/L	<0.76	100	100	86.7	92.7	87	93	21-116	7	30	
Hexachlorocyclopentadiene	ug/L	<1.1	100	100	82.6	99.7	83	100	10-110	19	30	
Hexachloroethane	ug/L	<0.90	100	100	75.7	86.6	76	87	10-110	13	30	
Hexachlorophene	ug/L	<1.9	1000	1000	687	623	69	62	50-150	10	30	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317928 1317929

Parameter	Units	92222561002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hexachloropropene	ug/L	<1.4	100	100	77.1	90.6	77	91	50-150	16	30	
Indeno(1,2,3-cd)pyrene	ug/L	<0.53	100	100	82.5	86.8	83	87	20-113	5	30	
Isodrin	ug/L	<0.75	100	100	98.9	98.3	99	98	50-150	1	30	
Isophorone	ug/L	<0.92	100	100	56.4	61.0	56	61	50-150	8	30	
Isosafrole	ug/L	<1.2	100	100	80.1	87.8	80	88	50-150	9	30	
Kepone	ug/L	<1.6	200	200	70.5	109	35	55	50-150	43	30	M1,R1
Methapyrilene	ug/L	<1.3	100	100	141	47.8J	141	48	50-150		30	M0
Methyl methanesulfonate	ug/L	<1.2	100	100	61.8	70.8	62	71	50-150	14	30	
n-Decane	ug/L	<0.78	100	100	56.3	64.6	56	65	50-150	14	30	
N-Nitroso-di-n-butylamine	ug/L	<1.3	100	100	62.4	63.0	62	63	50-150	1	30	
N-Nitroso-di-n-propylamine	ug/L	<0.85	100	100	66.0	75.6	66	76	21-105	14	30	
N-Nitrosodiethylamine	ug/L	<0.91	100	100	66.7	77.2	67	77	50-150	15	30	
N-Nitrosodimethylamine	ug/L	<0.94	100	100	50.6	57.9	51	58	10-110	13	30	
N-Nitrosodiphenylamine	ug/L	<0.64	100	100	85.3	92.6	85	93	23-107	8	30	
N-Nitrosomethylethylamine	ug/L	<0.61	100	100	64.6	75.1	65	75	50-150	15	30	
N-Nitrosomorpholine	ug/L	<1.1	100	100	53.8	59.8	54	60	50-150	10	30	
N-Nitrosopiperidine	ug/L	<1.2	100	100	64.0	68.3	64	68	50-150	6	30	
N-Nitrosopyrrolidine	ug/L	<1.1	100	100	51.3	55.2	51	55	50-150	7	30	
n-Octadecane	ug/L	<0.76	100	100	83.4	95.3	83	95	50-150	13	30	
Naphthalene	ug/L	<0.93	100	100	59.7	66.2	60	66	10-110	10	30	
Nitrobenzene	ug/L	<1.0	100	100	56.5	63.7	56	64	20-110	12	30	
O,O,O-Triethylphosphorothioate	ug/L	<1.4	100	100	84.5	95.5	85	96	50-150	12	30	
O-Toluidine	ug/L	<0.72	100	100	50.5	52.9	51	53	50-150	5	30	
P-Dimethylaminoazobenzene	ug/L	<0.23	200	200	38.8	34.9	19	17	50-150	11	30	M1
p-Phenylenediamine	ug/L	<0.96	100	100	95.6	72.2	96	72	50-150	28	30	
Pentachlorobenzene	ug/L	<1.5	100	100	89.3	94.6	89	95	50-150	6	30	
Pentachloroethane	ug/L	<1.1	100	100	68.1	78.1	68	78	50-150	14	30	
Pentachloronitrobenzene	ug/L	<0.79	100	100	108	114	108	114	50-150	5	30	
Pentachlorophenol	ug/L	<1.2	500	500	150	155	30	31	10-118	3	30	
Phenacetin	ug/L	<0.54	100	100	101	88.6	101	89	50-150	13	30	
Phenanthrene	ug/L	<0.53	100	100	86.5	90.0	87	90	24-106	4	30	
Phenol	ug/L	<1.1	100	100	38.1	44.8	38	45	12-110	16	30	
Phthalic anhydride	ug/L	<1.2	100	100	72.2J	73.0J	72	73	50-150		30	
Pronamide	ug/L	<0.58	100	100	96.5	91.7	97	92	50-150	5	30	
Pyrene	ug/L	<0.49	100	100	71.0	69.8	71	70	24-114	2	30	
Pyridine	ug/L	<0.75	100	100	37.7	25.0	38	25	50-150	41	30	M0,R1
Safrole	ug/L	<1.4	100	100	76.7	82.2	77	82	50-150	7	30	
Sulfotepp (Thiodiphosphoric Ac	ug/L	<0.96	100	100	89.3	93.1	89	93	50-150	4	30	
Terpineol	ug/L	<1.4	100	100	72.6	79.7	73	80	50-150	9	30	
Thionazin	ug/L	<0.86	100	100	85.0	82.6	85	83	50-150	3	30	
2,4,6-Tribromophenol (S)	%						79	84	27-110			
2-Fluorobiphenyl (S)	%						79	89	27-110			
2-Fluorophenol (S)	%						46	54	12-110			

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REPORT OF LABORATORY ANALYSIS

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(828)254-7176

QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317928 1317929

Parameter	Units	92222561002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrobenzene-d5 (S)	%						51	59	21-110			
Phenol-d6 (S)	%						36	42	10-110			
Terphenyl-d14 (S)	%						67	68	31-107			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: OEXT/30811 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1319096 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	<1.3	10.0	11/04/14 16:18	
1,2,4-Trichlorobenzene	ug/L	<1.3	10.0	11/04/14 16:18	
1,2-Dichlorobenzene	ug/L	<0.71	10.0	11/04/14 16:18	
1,2-Diphenylhydrazine	ug/L	<0.74	10.0	11/04/14 16:18	
1,3,5-Trinitrobenzene	ug/L	<0.83	10.0	11/04/14 16:18	
1,3-Dichlorobenzene	ug/L	<0.78	10.0	11/04/14 16:18	
1,3-Dinitrobenzene	ug/L	<0.81	20.0	11/04/14 16:18	
1,4-Dichlorobenzene	ug/L	<0.81	10.0	11/04/14 16:18	
1,4-Dinitrobenzene	ug/L	<0.62	20.0	11/04/14 16:18	
1,4-Naphthoquinone	ug/L	<0.84	5.0	11/04/14 16:18	
1-Methylnaphthalene	ug/L	<0.92	10.0	11/04/14 16:18	
1-Naphthalenamine	ug/L	<0.54	5.0	11/04/14 16:18	
2,2'-Oxybis(1-chloropropane)	ug/L	<0.56	10.0	11/04/14 16:18	
2,3,4,6-Tetrachlorophenol	ug/L	<1.6	10.0	11/04/14 16:18	
2,3-Dibromo-1-propanol phosph	ug/L	<2.1	75.0	11/04/14 16:18	
2,3-Dichloroaniline	ug/L	<1.4	10.0	11/04/14 16:18	
2,4,5-Trichlorophenol	ug/L	<1.0	10.0	11/04/14 16:18	
2,4,6-Trichlorophenol	ug/L	<0.85	10.0	11/04/14 16:18	
2,4-Dichlorophenol	ug/L	<0.85	10.0	11/04/14 16:18	
2,4-Dimethylphenol	ug/L	<0.96	10.0	11/04/14 16:18	
2,4-Dinitrophenol	ug/L	<2.5	50.0	11/04/14 16:18	
2,4-Dinitrotoluene	ug/L	<0.92	10.0	11/04/14 16:18	
2,6-Dichlorophenol	ug/L	<1.7	10.0	11/04/14 16:18	
2,6-Dinitrotoluene	ug/L	<2.1	10.0	11/04/14 16:18	
2,6-Toluene diisocyanate	ug/L	<0.76	10.0	11/04/14 16:18	
2-Acetylaminofluorene	ug/L	<0.31	20.0	11/04/14 16:18	
2-Chloronaphthalene	ug/L	<1.0	10.0	11/04/14 16:18	
2-Chlorophenol	ug/L	<1.0	10.0	11/04/14 16:18	
2-Methyl-5-nitroaniline	ug/L	<1.0	10.0	11/04/14 16:18	
2-Methylnaphthalene	ug/L	<1.0	10.0	11/04/14 16:18	
2-Methylphenol(o-Cresol)	ug/L	<1.0	10.0	11/04/14 16:18	
2-Naphthalenamine	ug/L	<0.87	5.0	11/04/14 16:18	
2-Nitroaniline	ug/L	<1.5	50.0	11/04/14 16:18	
2-Nitrophenol	ug/L	<0.71	10.0	11/04/14 16:18	
2-Picoline	ug/L	<1.3	10.0	11/04/14 16:18	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	10.0	11/04/14 16:18	
3,3'-Dichlorobenzidine	ug/L	<0.69	20.0	11/04/14 16:18	
3,3'-Dimethylbenzidine	ug/L	<0.74	10.0	11/04/14 16:18	
3-Methylcholanthrene	ug/L	<0.37	10.0	11/04/14 16:18	
3-Nitroaniline	ug/L	<1.3	50.0	11/04/14 16:18	
4,4'-Methylene-bis(2-chloroani	ug/L	<0.94	50.0	11/04/14 16:18	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1319096 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,6-Dinitro-2-methylphenol	ug/L	<1.1	20.0	11/04/14 16:18	
4-Aminobiphenyl	ug/L	<0.32	10.0	11/04/14 16:18	
4-Bromophenylphenyl ether	ug/L	<1.0	10.0	11/04/14 16:18	
4-Chloro-3-methylphenol	ug/L	<2.0	20.0	11/04/14 16:18	
4-Chloroaniline	ug/L	<1.6	20.0	11/04/14 16:18	
4-Chlorophenylphenyl ether	ug/L	<1.1	10.0	11/04/14 16:18	
4-Nitroaniline	ug/L	<1.6	20.0	11/04/14 16:18	
4-Nitrophenol	ug/L	<3.9	50.0	11/04/14 16:18	
4-Nitroquinoline-n-oxide	ug/L	<1.9	50.0	11/04/14 16:18	
5-Nitro-o-toluidine	ug/L	<1.0	10.0	11/04/14 16:18	
7,12-Dimethylbenz(a)anthracene	ug/L	<0.51	10.0	11/04/14 16:18	
a,a-Dimethylphenylethylamine	ug/L	<1.5	50.0	11/04/14 16:18	
Acenaphthene	ug/L	<1.1	10.0	11/04/14 16:18	
Acenaphthylene	ug/L	<0.99	10.0	11/04/14 16:18	
Acetophenone	ug/L	<0.83	10.0	11/04/14 16:18	
Aniline	ug/L	<0.80	10.0	11/04/14 16:18	
Anthracene	ug/L	<0.47	10.0	11/04/14 16:18	
Aramite	ug/L	<0.41	100	11/04/14 16:18	
Atrazine	ug/L	<0.67	20.0	11/04/14 16:18	
Benzal chloride	ug/L	<1.8	50.0	11/04/14 16:18	
Benzaldehyde	ug/L	<4.7	20.0	11/04/14 16:18	
Benzidine	ug/L	<0.32	50.0	11/04/14 16:18	
Benzo(a)anthracene	ug/L	<0.47	10.0	11/04/14 16:18	
Benzo(a)pyrene	ug/L	<0.57	10.0	11/04/14 16:18	
Benzo(b)fluoranthene	ug/L	<0.44	10.0	11/04/14 16:18	
Benzo(g,h,i)perylene	ug/L	<0.45	10.0	11/04/14 16:18	
Benzo(k)fluoranthene	ug/L	<0.53	10.0	11/04/14 16:18	
Benzoic Acid	ug/L	<4.9	50.0	11/04/14 16:18	
Benzophenone	ug/L	<1.6	10.0	11/04/14 16:18	
Benzyl alcohol	ug/L	<2.1	20.0	11/04/14 16:18	
Biphenyl (Diphenyl)	ug/L	<0.94	10.0	11/04/14 16:18	
bis(2-Chloroethoxy)methane	ug/L	<1.3	10.0	11/04/14 16:18	
bis(2-Chloroethyl) ether	ug/L	<0.89	10.0	11/04/14 16:18	
bis(2-Chloroisopropyl) ether	ug/L	<0.86	10.0	11/04/14 16:18	
bis(2-Ethylhexyl)phthalate	ug/L	<0.49	6.0	11/04/14 16:18	
Butylbenzylphthalate	ug/L	<0.48	10.0	11/04/14 16:18	
Caprolactam	ug/L	<1.1	10.0	11/04/14 16:18	
Carbazole	ug/L	<0.53	10.0	11/04/14 16:18	
Chlorobenzilate	ug/L	<0.40	10.0	11/04/14 16:18	
Chrysene	ug/L	<0.49	10.0	11/04/14 16:18	
Di-n-butylphthalate	ug/L	<0.37	10.0	11/04/14 16:18	
Di-n-octylphthalate	ug/L	<0.12	10.0	11/04/14 16:18	
Diallate	ug/L	<0.96	10.0	11/04/14 16:18	
Dibenz(a,h)anthracene	ug/L	<0.49	10.0	11/04/14 16:18	
Dibenzo(a,e)pyrene	ug/L	<0.32	50.0	11/04/14 16:18	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1319096 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/L	<1.0	10.0	11/04/14 16:18	
Diethylphthalate	ug/L	<0.91	10.0	11/04/14 16:18	
Dimethylphthalate	ug/L	<0.62	10.0	11/04/14 16:18	
Dinoseb	ug/L	<0.43	20.0	11/04/14 16:18	
Diphenyl ether (Phenyl ether)	ug/L	<1.3	10.0	11/04/14 16:18	
Diphenylamine	ug/L	<0.64	10.0	11/04/14 16:18	
Ethyl methanesulfonate	ug/L	<1.3	20.0	11/04/14 16:18	
Fluoranthene	ug/L	<0.41	10.0	11/04/14 16:18	
Fluorene	ug/L	<1.0	10.0	11/04/14 16:18	
Hexachloro-1,3-butadiene	ug/L	<0.90	10.0	11/04/14 16:18	
Hexachlorobenzene	ug/L	<0.76	10.0	11/04/14 16:18	
Hexachlorocyclopentadiene	ug/L	<1.1	10.0	11/04/14 16:18	
Hexachloroethane	ug/L	<0.90	10.0	11/04/14 16:18	
Hexachlorophene	ug/L	<1.9	100	11/04/14 16:18	
Hexachloropropene	ug/L	<1.4	10.0	11/04/14 16:18	
Indeno(1,2,3-cd)pyrene	ug/L	<0.53	10.0	11/04/14 16:18	
Isodrin	ug/L	<0.75	20.0	11/04/14 16:18	
Isophorone	ug/L	<0.92	10.0	11/04/14 16:18	
Isosafrole	ug/L	<1.2	10.0	11/04/14 16:18	
Kepone	ug/L	<1.6	10.0	11/04/14 16:18	
Methapyrilene	ug/L	<1.3	50.0	11/04/14 16:18	
Methyl methanesulfonate	ug/L	<1.2	5.0	11/04/14 16:18	
n-Decane	ug/L	<0.78	10.0	11/04/14 16:18	
N-Nitroso-di-n-butylamine	ug/L	<1.3	10.0	11/04/14 16:18	
N-Nitroso-di-n-propylamine	ug/L	<0.85	10.0	11/04/14 16:18	
N-Nitrosodiethylamine	ug/L	<0.91	20.0	11/04/14 16:18	
N-Nitrosodimethylamine	ug/L	<0.94	10.0	11/04/14 16:18	
N-Nitrosodiphenylamine	ug/L	<0.64	10.0	11/04/14 16:18	
N-Nitrosomethylethylamine	ug/L	<0.61	10.0	11/04/14 16:18	
N-Nitrosomorpholine	ug/L	<1.1	10.0	11/04/14 16:18	
N-Nitrosopiperidine	ug/L	<1.2	20.0	11/04/14 16:18	
N-Nitrosopyrrolidine	ug/L	<1.1	10.0	11/04/14 16:18	
n-Octadecane	ug/L	<0.76	10.0	11/04/14 16:18	
Naphthalene	ug/L	<0.93	10.0	11/04/14 16:18	
Nitrobenzene	ug/L	<1.0	10.0	11/04/14 16:18	
O,O,O-Triethylphosphorothioate	ug/L	<1.4	10.0	11/04/14 16:18	
O-Toluidine	ug/L	<0.72	10.0	11/04/14 16:18	
P-Dimethylaminoazobenzene	ug/L	<0.23	5.0	11/04/14 16:18	
p-Phenylenediamine	ug/L	<0.96	10.0	11/04/14 16:18	
Pentachlorobenzene	ug/L	<1.5	10.0	11/04/14 16:18	
Pentachloroethane	ug/L	<1.1	20.0	11/04/14 16:18	
Pentachloronitrobenzene	ug/L	<0.79	20.0	11/04/14 16:18	
Pentachlorophenol	ug/L	<1.2	25.0	11/04/14 16:18	
Phenacetin	ug/L	<0.54	20.0	11/04/14 16:18	
Phenanthrene	ug/L	<0.53	10.0	11/04/14 16:18	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

METHOD BLANK: 1319096 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenol	ug/L	<1.1	10.0	11/04/14 16:18	
Phthalic anhydride	ug/L	<1.2	75.0	11/04/14 16:18	
Pronamide	ug/L	<0.58	10.0	11/04/14 16:18	
Pyrene	ug/L	<0.49	10.0	11/04/14 16:18	
Pyridine	ug/L	<0.75	10.0	11/04/14 16:18	
Safrole	ug/L	<1.4	10.0	11/04/14 16:18	
Sulfotepp (Thiodiphosphoric Ac	ug/L	<0.96	20.0	11/04/14 16:18	
Terpineol	ug/L	<1.4	10.0	11/04/14 16:18	
Thionazin	ug/L	<0.86	20.0	11/04/14 16:18	
2,4,6-Tribromophenol (S)	%	58	27-110	11/04/14 16:18	
2-Fluorobiphenyl (S)	%	64	27-110	11/04/14 16:18	
2-Fluorophenol (S)	%	32	12-110	11/04/14 16:18	
Nitrobenzene-d5 (S)	%	56	21-110	11/04/14 16:18	
Phenol-d6 (S)	%	24	10-110	11/04/14 16:18	
Terphenyl-d14 (S)	%	74	31-107	11/04/14 16:18	

LABORATORY CONTROL SAMPLE: 1319097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	38.2	76	16-129	
1,2,4-Trichlorobenzene	ug/L	50	25.6	51	31-120	
1,2-Dichlorobenzene	ug/L	50	28.7	57	38-120	
1,2-Diphenylhydrazine	ug/L	50	33.1	66	42-120	
1,3,5-Trinitrobenzene	ug/L	50	38.8	78	55-125	
1,3-Dichlorobenzene	ug/L	50	27.6	55	30-122	
1,3-Dinitrobenzene	ug/L	50	41.3	83	30-122	
1,4-Dichlorobenzene	ug/L	50	28.8	58	37-120	
1,4-Dinitrobenzene	ug/L	50	44.6	89	54-120	
1,4-Naphthoquinone	ug/L	50	36.7	73	31-120	
1-Methylnaphthalene	ug/L	50	27.5	55	34-113	
1-Naphthalenamine	ug/L	50	37.5	75	37-126	
2,2'-Oxybis(1-chloropropane)	ug/L	50	28.6	57	18-120	
2,3,4,6-Tetrachlorophenol	ug/L	50	83.0	166	54-276	
2,3-Dibromo-1-propanol phosph	ug/L	200	298	149	51-134	L3
2,3-Dichloroaniline	ug/L	50	41.0	82	38-152	
2,4,5-Trichlorophenol	ug/L	50	38.5	77	43-113	
2,4,6-Trichlorophenol	ug/L	50	35.7	71	42-120	
2,4-Dichlorophenol	ug/L	50	26.9	54	30-120	
2,4-Dimethylphenol	ug/L	50	26.6	53	29-111	
2,4-Dinitrophenol	ug/L	250	196	79	19-132	
2,4-Dinitrotoluene	ug/L	50	45.8	92	58-128	
2,6-Dichlorophenol	ug/L	50	35.6	71	54-128	
2,6-Dinitrotoluene	ug/L	50	43.9	88	54-129	
2,6-Toluene diisocyanate	ug/L	50	49.3	99	83-125	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1319097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Acetylaminofluorene	ug/L	50	49.8	100	81-160	
2-Chloronaphthalene	ug/L	50	40.1	80	43-117	
2-Chlorophenol	ug/L	50	29.6	59	37-120	
2-Methyl-5-nitroaniline	ug/L	50	50.1	100	74-187	
2-Methylnaphthalene	ug/L	50	26.6	53	33-120	
2-Methylphenol(o-Cresol)	ug/L	50	24.2	48	31-120	
2-Naphthalenamine	ug/L	50	34.4	69	41-136	
2-Nitroaniline	ug/L	100	69.4	69	48-121	
2-Nitrophenol	ug/L	50	25.7	51	25-116	
2-Picoline	ug/L	50	4.3J	9	25-116	L2
3&4-Methylphenol(m&p Cresol)	ug/L	50	22.5	45	23-120	
3,3'-Dichlorobenzidine	ug/L	250	93.0	37	10-154	
3,3'-Dimethylbenzidine	ug/L	100	48.0	48	10-157	
3-Methylcholanthrene	ug/L	50	50.3	101	65-130	
3-Nitroaniline	ug/L	100	81.1	81	43-115	
4,4'-Methylene-bis(2-chloroani	ug/L	100	96.5	97	56-118	
4,6-Dinitro-2-methylphenol	ug/L	100	82.1	82	44-124	
4-Aminobiphenyl	ug/L	50	41.0	82	21-125	
4-Bromophenylphenyl ether	ug/L	50	38.9	78	34-113	
4-Chloro-3-methylphenol	ug/L	100	54.5	55	31-110	
4-Chloroaniline	ug/L	100	51.2	51	20-120	
4-Chlorophenylphenyl ether	ug/L	50	42.2	84	34-116	
4-Nitroaniline	ug/L	100	103	103	46-128	
4-Nitrophenol	ug/L	250	94.4	38	11-120	
4-Nitroquinoline-n-oxide	ug/L	100	95.9	96	10-135	
5-Nitro-o-toluidine	ug/L	50	50.1	100	78-160	
7,12-Dimethylbenz(a)anthracene	ug/L	50	44.8	90	47-124	
a,a-Dimethylphenylethylamine	ug/L	50	41.2J	82	10-193	
Acenaphthene	ug/L	50	37.4	75	48-114	
Acenaphthylene	ug/L	50	36.4	73	48-112	
Acetophenone	ug/L	50	33.9	68	24-120	
Aniline	ug/L	50	22.0	44	26-120	
Anthracene	ug/L	50	43.1	86	57-118	
Aramite	ug/L	100	36.0J	36	30-120	
Atrazine	ug/L	50	57.9	116	33-160	
Benzal chloride	ug/L	50	35.3J	71	39-147	
Benzaldehyde	ug/L	50	10.8J	22	10-120	
Benzidine	ug/L	250	2.2J	1	10-120	L2
Benzo(a)anthracene	ug/L	50	45.8	92	56-121	
Benzo(a)pyrene	ug/L	50	48.6	97	55-127	
Benzo(b)fluoranthene	ug/L	50	50.2	100	53-128	
Benzo(g,h,i)perylene	ug/L	50	49.7	99	54-125	
Benzo(k)fluoranthene	ug/L	50	45.4	91	51-123	
Benzoic Acid	ug/L	250	40.4J	16	10-120	
Benzophenone	ug/L	50	36.5	73	55-112	
Benzyl alcohol	ug/L	100	55.6	56	27-120	
Biphenyl (Diphenyl)	ug/L	50	37.9	76	38-120	

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(828)254-7176

QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1319097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	50	33.5	67	32-120	
bis(2-Chloroethyl) ether	ug/L	50	31.8	64	33-111	
bis(2-Chloroisopropyl) ether	ug/L	50	28.6	57	15-120	
bis(2-Ethylhexyl)phthalate	ug/L	50	41.0	82	50-145	
Butylbenzylphthalate	ug/L	50	41.5	83	54-138	
Caprolactam	ug/L	50	10.2	20	10-115	
Carbazole	ug/L	50	45.6	91	59-119	
Chlorobenzilate	ug/L	50	39.6	79	65-132	
Chrysene	ug/L	50	46.8	94	58-127	
Di-n-butylphthalate	ug/L	50	47.5	95	56-125	
Di-n-octylphthalate	ug/L	50	42.2	84	50-134	
Diallate	ug/L	50	37.3	75	47-123	
Dibenz(a,h)anthracene	ug/L	50	50.7	101	53-129	
Dibenzo(a,e)pyrene	ug/L	50	50.3	101	57-120	
Dibenzofuran	ug/L	50	41.0	82	45-120	
Diethylphthalate	ug/L	50	43.7	87	53-120	
Dimethylphthalate	ug/L	50	41.2	82	55-116	
Dinoseb	ug/L	50	45.6	91	24-160	
Diphenyl ether (Phenyl ether)	ug/L	50	35.8	72	51-120	
Diphenylamine	ug/L	50	37.6	75	42-120	
Ethyl methanesulfonate	ug/L	50	30.9	62	43-120	
Fluoranthene	ug/L	50	55.6	111	57-125	
Fluorene	ug/L	50	42.6	85	53-118	
Hexachloro-1,3-butadiene	ug/L	50	26.1	52	23-120	
Hexachlorobenzene	ug/L	50	37.8	76	49-116	
Hexachlorocyclopentadiene	ug/L	50	36.1	72	26-158	
Hexachloroethane	ug/L	50	29.9	60	30-114	
Hexachlorophene	ug/L	500	316	63	10-130	
Hexachloropropene	ug/L	50	32.0	64	13-137	
Indeno(1,2,3-cd)pyrene	ug/L	50	40.6	81	55-128	
Isodrin	ug/L	50	49.9	100	68-129	
Isophorone	ug/L	50	25.1	50	31-118	
Isosafrole	ug/L	50	35.4	71	48-107	
Kepone	ug/L	100	86.7	87	10-124	
Methapyrilene	ug/L	50	6.3J	13	40-160	L2
Methyl methanesulfonate	ug/L	50	24.8	50	25-114	
n-Decane	ug/L	50	20.9	42	14-125	
N-Nitroso-di-n-butylamine	ug/L	50	26.8	54	36-115	
N-Nitroso-di-n-propylamine	ug/L	50	30.2	60	32-119	
N-Nitrosodiethylamine	ug/L	50	30.0	60	47-115	
N-Nitrosodimethylamine	ug/L	50	18.4	37	13-120	
N-Nitrosodiphenylamine	ug/L	50	37.6	75	43-120	
N-Nitrosomethylethylamine	ug/L	50	28.1	56	39-120	
N-Nitrosomorpholine	ug/L	50	23.2	46	40-126	
N-Nitrosopiperidine	ug/L	50	29.1	58	43-113	
N-Nitrosopyrrolidine	ug/L	50	22.4	45	32-110	
n-Octadecane	ug/L	50	32.0	64	51-127	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

LABORATORY CONTROL SAMPLE: 1319097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	25.8	52	32-120	
Nitrobenzene	ug/L	50	24.6	49	33-110	
O,O,O-Triethylphosphorothioate	ug/L	50	39.0	78	51-127	
O-Toluidine	ug/L	50	23.5	47	27-120	
P-Dimethylaminoazobenzene	ug/L	100	18.3	18	10-120	
p-Phenylenediamine	ug/L	50	56.7	113	72-143	
Pentachlorobenzene	ug/L	50	40.2	80	30-137	
Pentachloroethane	ug/L	50	27.8	56	51-117	
Pentachloronitrobenzene	ug/L	50	51.6	103	70-124	
Pentachlorophenol	ug/L	250	74.2	30	10-137	
Phenacetin	ug/L	50	51.4	103	60-130	
Phenanthrene	ug/L	50	42.2	84	57-117	
Phenol	ug/L	50	12.9	26	10-120	
Phthalic anhydride	ug/L	50	33.9J	68	36-112	
Pronamide	ug/L	50	50.2	100	75-124	
Pyrene	ug/L	50	35.2	70	55-122	
Pyridine	ug/L	50	7.1J	14	10-120	
Safrole	ug/L	50	34.9	70	41-120	
Sulfotepp (Thiodiphosphoric Ac	ug/L	50	37.7	75	31-135	
Terpineol	ug/L	50	34.7	69	33-159	
Thionazin	ug/L	50	43.1	86	63-137	
2,4,6-Tribromophenol (S)	%			74	27-110	
2-Fluorobiphenyl (S)	%			73	27-110	
2-Fluorophenol (S)	%			34	12-110	
Nitrobenzene-d5 (S)	%			47	21-110	
Phenol-d6 (S)	%			24	10-110	
Terphenyl-d14 (S)	%			69	31-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1319098 1319099

Parameter	Units	92222561008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	<1.3	100	100	62.2	56.3	62	56	50-150	10	30	
1,2,4-Trichlorobenzene	ug/L	<1.3	100	100	46.8	40.4	47	40	10-110	15	30	
1,2-Dichlorobenzene	ug/L	<0.71	100	100	51.2	44.6	51	45	10-110	14	30	
1,2-Diphenylhydrazine	ug/L	<0.74	100	100	58.5	63.5	59	63	50-150	8	30	
1,3,5-Trinitrobenzene	ug/L	<0.83	100	100	74.0	70.2	74	70	50-150	5	30	
1,3-Dichlorobenzene	ug/L	<0.78	100	100	49.2	43.2	49	43	10-110	13	30	
1,3-Dinitrobenzene	ug/L	<0.81	100	100	72.8	66.2	73	66	50-150	10	30	
1,4-Dichlorobenzene	ug/L	1.6J	100	100	52.2	45.6	51	44	10-110	14	30	
1,4-Dinitrobenzene	ug/L	<0.62	100	100	76.5	70.6	76	71	50-150	8	30	
1,4-Naphthoquinone	ug/L	<0.84	100	100	98.9	102	99	102	50-150	3	30	
1-Methylnaphthalene	ug/L	<0.92	100	100	49.1	48.0	49	48	14-110	2	30	
1-Naphthalenamine	ug/L	<0.54	100	100	45.6	31.3	46	31	50-150	37	30	M1,R1
2,2'-Oxybis(1-chloropropane)	ug/L	<0.56	100	100	48.5	43.9	49	44	50-150	10	30	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1319098 1319099

Parameter	Units	92222561008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,3,4,6-Tetrachlorophenol	ug/L	<1.6	100	100	151	141	151	141	50-150	6	30	M1
2,3-Dibromo-1-propanol phosph	ug/L	<2.1	400	400	405	466	101	117	50-150	14	30	
2,3-Dichloroaniline	ug/L	<1.4	100	100	69.6	66.7	70	67	50-150	4	30	
2,4,5-Trichlorophenol	ug/L	<1.0	100	100	66.7	59.9	67	60	19-105	11	30	
2,4,6-Trichlorophenol	ug/L	<0.85	100	100	58.1	55.5	58	56	13-108	5	30	
2,4-Dichlorophenol	ug/L	<0.85	100	100	50.0	47.9	50	48	29-111	4	30	
2,4-Dimethylphenol	ug/L	<0.96	100	100	47.5	48.0	48	48	21-103	1	30	
2,4-Dinitrophenol	ug/L	<2.5	500	500	378	326	76	65	10-109	15	30	
2,4-Dinitrotoluene	ug/L	<0.92	100	100	81.8	74.6	82	75	27-104	9	30	
2,6-Dichlorophenol	ug/L	<1.7	100	100	63.9	62.8	64	63	50-150	2	30	
2,6-Dinitrotoluene	ug/L	<2.1	100	100	76.6	71.1	77	71	28-101	7	30	
2,6-Toluene diisocyanate	ug/L	<0.76	100	100	91.0	79.6	91	80	50-150	13	30	
2-Acetylaminofluorene	ug/L	<0.31	100	100	88.6	82.9	89	83	50-150	7	30	
2-Chloronaphthalene	ug/L	<1.0	100	100	66.4	62.3	66	62	14-102	7	30	
2-Chlorophenol	ug/L	<1.0	100	100	55.1	52.6	55	53	16-110	5	30	
2-Methyl-5-nitroaniline	ug/L	<1.0	100	100	92.9	71.2	93	71	50-150	26	30	
2-Methylnaphthalene	ug/L	<1.0	100	100	47.6	46.6	48	47	13-110	2	30	
2-Methylphenol(o-Cresol)	ug/L	<1.0	100	100	47.6	53.1	48	53	19-110	11	30	
2-Naphthalenamine	ug/L	<0.87	100	100	<1.7	<1.7	2	2	50-150		30	M1
2-Nitroaniline	ug/L	<1.5	200	200	122	114	61	57	26-103	7	30	
2-Nitrophenol	ug/L	<0.71	100	100	48.0	43.0	48	43	20-110	11	30	
2-Picoline	ug/L	<1.3	100	100	<2.6	<2.6	0	0	50-150		30	M0
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	100	100	45.5	53.4	46	53	20-110	16	30	
3,3'-Dichlorobenzidine	ug/L	<0.69	500	500	135	128	27	26	25-112	6	30	
3,3'-Dimethylbenzidine	ug/L	<0.74	200	200	6.2J	3.4J	3	2	50-150		30	M1
3-Methylcholanthrene	ug/L	<0.37	100	100	90.5	88.2	90	88	50-150	3	30	
3-Nitroaniline	ug/L	<1.3	200	200	147	113	74	56	29-110	27	30	
4,4'-Methylene-bis(2-chloroani	ug/L	<0.94	200	200	149	129	74	65	50-150	14	30	
4,6-Dinitro-2-methylphenol	ug/L	<1.1	200	200	157	154	78	77	10-117	2	30	
4-Aminobiphenyl	ug/L	<0.32	100	100	65.4	48.7	65	49	50-150	29	30	M1
4-Bromophenylphenyl ether	ug/L	<1.0	100	100	68.6	75.2	69	75	20-105	9	30	
4-Chloro-3-methylphenol	ug/L	<2.0	200	200	104	103	52	51	22-110	1	30	
4-Chloroaniline	ug/L	<1.6	200	200	80.8	48.1	40	24	20-100	51	30	R1
4-Chlorophenylphenyl ether	ug/L	<1.1	100	100	71.5	64.9	71	65	19-102	10	30	
4-Nitroaniline	ug/L	<1.6	200	200	199	138	100	69	29-110	36	30	R1
4-Nitrophenol	ug/L	<3.9	500	500	283	205	57	41	10-110	32	30	R1
4-Nitroquinoline-n-oxide	ug/L	<1.9	200	200	189	132	95	66	50-150	36	30	R1
5-Nitro-o-toluidine	ug/L	<1.0	100	100	92.9	71.2	93	71	50-150	26	30	
7,12-Dimethylbenz(a)anthracene	ug/L	<0.51	100	100	85.8	79.5	86	80	50-150	8	30	
a,a-Dimethylphenylethylamine	ug/L	<1.5	100	100	72.0J	46.3J	72	46	50-150		30	M1
Acenaphthene	ug/L	<1.1	100	100	61.9	59.1	62	59	17-100	5	30	
Acenaphthylene	ug/L	<0.99	100	100	60.9	57.5	61	57	21-100	6	30	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1319098 1319099

Parameter	Units	92222561008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetophenone	ug/L	<0.83	100	100	58.1	59.9	58	60	50-150	3	30	
Aniline	ug/L	<0.80	100	100	11.4J	3.2J	11	3	10-110		30	M1
Anthracene	ug/L	<0.47	100	100	79.7	76.5	80	77	24-109	4	30	
Aramite	ug/L	<0.41	200	200	72.6J	68.5J	36	34	50-150		30	M1
Atrazine	ug/L	<0.67	100	100	106	95.6	106	96	50-150	10	30	
Benzal chloride	ug/L	<1.8	100	100	52.0J	56.9J	52	57	50-150		30	
Benzaldehyde	ug/L	<4.7	100	100	12.9J	13.6J	13	14	50-150		30	M1
Benzidine	ug/L	<0.32	500	500	<0.64	<0.64	0	0	50-150		30	M0
Benzo(a)anthracene	ug/L	<0.47	100	100	85.8	82.2	86	82	22-117	4	30	
Benzo(a)pyrene	ug/L	<0.57	100	100	86.8	85.3	87	85	23-104	2	30	
Benzo(b)fluoranthene	ug/L	<0.44	100	100	91.6	85.2	92	85	23-103	7	30	
Benzo(g,h,i)perylene	ug/L	<0.45	100	100	88.2	91.4	88	91	18-111	4	30	
Benzo(k)fluoranthene	ug/L	<0.53	100	100	83.9	82.8	84	83	22-113	1	30	
Benzoic Acid	ug/L	<4.9	500	500	120	124	24	25	10-110	3	30	
Benzophenone	ug/L	<1.6	100	100	64.1	70.2	64	70	50-150	9	30	
Benzyl alcohol	ug/L	<2.1	200	200	111	127	55	64	19-101	14	30	
Biphenyl (Diphenyl)	ug/L	<0.94	100	100	63.1	58.9	63	59	50-150	7	30	
bis(2-Chloroethoxy)methane	ug/L	<1.3	100	100	61.2	58.1	61	58	22-110	5	30	
bis(2-Chloroethyl) ether	ug/L	<0.89	100	100	54.3	48.9	54	49	16-110	11	30	
bis(2-Chloroisopropyl) ether	ug/L	<0.86	100	100	48.5	43.9	49	44	14-110	10	30	
bis(2-Ethylhexyl)phthalate	ug/L	<0.49	100	100	81.9	72.8	82	73	23-102	12	30	
Butylbenzylphthalate	ug/L	<0.48	100	100	81.9	73.7	82	74	25-110	11	30	
Caprolactam	ug/L	<1.1	100	100	30.4	28.5	30	28	50-150	7	30	M1
Carbazole	ug/L	<0.53	100	100	90.9	71.7	91	72	50-150	24	30	
Chlorobenzilate	ug/L	<0.40	100	100	78.4	72.8	78	73	50-150	7	30	
Chrysene	ug/L	<0.49	100	100	87.3	85.2	87	85	23-115	2	30	
Di-n-butylphthalate	ug/L	<0.37	100	100	91.1	76.9	91	77	26-110	17	30	
Di-n-octylphthalate	ug/L	<0.12	100	100	80.5	72.3	81	72	22-110	11	30	
Diallate	ug/L	<0.96	100	100	67.7	73.5	68	73	50-150	8	30	
Dibenz(a,h)anthracene	ug/L	<0.49	100	100	91.3	93.1	91	93	21-112	2	30	
Dibenzo(a,e)pyrene	ug/L	<0.32	100	100	85.5J	94.0J	86	94	50-150		30	
Dibenzofuran	ug/L	<1.0	100	100	68.5	64.1	69	64	19-102	7	30	
Diethylphthalate	ug/L	<0.91	100	100	79.1	74.4	79	74	29-110	6	30	
Dimethylphthalate	ug/L	<0.62	100	100	72.3	68.4	72	68	27-110	6	30	
Dinoseb	ug/L	<0.43	100	100	88.0	78.3	88	78	50-150	12	30	
Diphenyl ether (Phenyl ether)	ug/L	<1.3	100	100	59.6	55.6	60	56	50-150	7	30	
Diphenylamine	ug/L	<0.64	100	100	61.3	69.1	61	69	50-150	12	30	
Ethyl methanesulfonate	ug/L	<1.3	100	100	56.4	58.7	56	59	50-150	4	30	
Fluoranthene	ug/L	<0.41	100	100	117	82.7	117	83	23-112	34	30	M1,R1
Fluorene	ug/L	<1.0	100	100	72.3	67.3	72	67	22-104	7	30	
Hexachloro-1,3-butadiene	ug/L	<0.90	100	100	48.1	39.6	48	40	10-110	19	30	
Hexachlorobenzene	ug/L	<0.76	100	100	68.3	73.1	68	73	21-116	7	30	
Hexachlorocyclopentadiene	ug/L	<1.1	100	100	60.4	49.9	60	50	10-110	19	30	
Hexachloroethane	ug/L	<0.90	100	100	54.0	46.8	54	47	10-110	14	30	
Hexachlorophene	ug/L	<1.9	1000	1000	620	530	62	53	50-150	16	30	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1319098 1319099

Parameter	Units	92222561008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hexachloropropene	ug/L	<1.4	100	100	62.1	50.3	62	50	50-150	21	30	
Indeno(1,2,3-cd)pyrene	ug/L	<0.53	100	100	73.2	74.5	73	75	20-113	2	30	
Isodrin	ug/L	<0.75	100	100	94.9	87.4	95	87	50-150	8	30	
Isophorone	ug/L	<0.92	100	100	45.3	45.7	45	46	50-150	1	30	M1
Isosafrole	ug/L	<1.2	100	100	58.1	55.5	58	56	50-150	5	30	
Kepone	ug/L	<1.6	200	200	130	131	65	66	50-150	1	30	
Methapyrilene	ug/L	<1.3	100	100	<2.6	<2.6	0	0	50-150		30	M0
Methyl methanesulfonate	ug/L	<1.2	100	100	51.5	49.9	52	50	50-150	3	30	
n-Decane	ug/L	<0.78	100	100	39.3	31.7	39	32	50-150	21	30	M1
N-Nitroso-di-n-butylamine	ug/L	<1.3	100	100	50.3	50.9	50	51	50-150	1	30	
N-Nitroso-di-n-propylamine	ug/L	<0.85	100	100	51.6	56.6	52	57	21-105	9	30	
N-Nitrosodiethylamine	ug/L	<0.91	100	100	54.6	50.7	55	51	50-150	7	30	
N-Nitrosodimethylamine	ug/L	<0.94	100	100	41.8	36.7	42	37	10-110	13	30	
N-Nitrosodiphenylamine	ug/L	<0.64	100	100	61.3	69.1	61	69	23-107	12	30	
N-Nitrosomethylethylamine	ug/L	<0.61	100	100	52.7	47.7	53	48	50-150	10	30	M1
N-Nitrosomorpholine	ug/L	<1.1	100	100	43.1	51.4	43	51	50-150	17	30	M1
N-Nitrosopiperidine	ug/L	<1.2	100	100	52.1	54.1	52	54	50-150	4	30	
N-Nitrosopyrrolidine	ug/L	<1.1	100	100	40.6	51.7	41	52	50-150	24	30	M1
n-Octadecane	ug/L	<0.76	100	100	56.4	60.6	56	61	50-150	7	30	
Naphthalene	ug/L	<0.93	100	100	46.7	42.6	47	43	10-110	9	30	
Nitrobenzene	ug/L	<1.0	100	100	44.8	39.0	45	39	20-110	14	30	
O,O,O-Triethylphosphorothioate	ug/L	<1.4	100	100	71.3	61.7	71	62	50-150	14	30	
O-Toluidine	ug/L	<0.72	100	100	23.4	10.2J	23	10	50-150		30	M1
P-Dimethylaminoazobenzene	ug/L	<0.23	200	200	35.7	31.8	18	16	50-150	12	30	M1
p-Phenylenediamine	ug/L	<0.96	100	100	121	81.8	121	82	50-150	39	30	R1
Pentachlorobenzene	ug/L	<1.5	100	100	66.1	64.1	66	64	50-150	3	30	
Pentachloroethane	ug/L	<1.1	100	100	49.6	42.5	50	43	50-150	15	30	M1
Pentachloronitrobenzene	ug/L	<0.79	100	100	94.7	97.1	95	97	50-150	3	30	
Pentachlorophenol	ug/L	<1.2	500	500	143	132	29	26	10-118	8	30	
Phenacetin	ug/L	<0.54	100	100	104	76.5	104	77	50-150	30	30	
Phenanthrene	ug/L	<0.53	100	100	77.3	75.1	77	75	24-106	3	30	
Phenol	ug/L	<1.1	100	100	33.7	37.2	34	37	12-110	10	30	
Phthalic anhydride	ug/L	<1.2	100	100	96.7J	108J	97	108	50-150		30	
Pronamide	ug/L	<0.58	100	100	92.4	82.0	92	82	50-150	12	30	
Pyrene	ug/L	<0.49	100	100	69.1	68.7	69	69	24-114	1	30	
Pyridine	ug/L	<0.75	100	100	<1.5	<1.5	0	0	50-150		30	M1
Safrole	ug/L	<1.4	100	100	61.6	59.3	62	59	50-150	4	30	
Sulfotepp (Thiodiphosphoric Ac	ug/L	<0.96	100	100	69.5	78.9	69	79	50-150	13	30	
Terpineol	ug/L	<1.4	100	100	59.3	60.7	59	61	50-150	2	30	
Thionazin	ug/L	<0.86	100	100	78.1	72.2	78	72	50-150	8	30	
2,4,6-Tribromophenol (S)	%						66	69	27-110			
2-Fluorobiphenyl (S)	%						58	54	27-110			
2-Fluorophenol (S)	%						39	36	12-110			

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(828)254-7176

QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1319098 1319099

Parameter	Units	92222561008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrobenzene-d5 (S)	%						42	37	21-110			
Phenol-d6 (S)	%						32	35	10-110			
Terphenyl-d14 (S)	%						68	66	31-107			

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WET/33982 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 92222561001, 92222561002, 92222561003

METHOD BLANK: 1317017 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	5.0	10/28/14 19:50	

LABORATORY CONTROL SAMPLE: 1317018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317041 1317042

Parameter	Units	92222372006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	35.7	50	50	82.5	83.1	94	95	90-110	1	4	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WET/33996 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1317266 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	5.0	10/29/14 13:13	

LABORATORY CONTROL SAMPLE: 1317267

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317268 1317269

Parameter	Units	92222889001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	88100 ug/L	50	50	124	118	73	60	90-110	5	4	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317270 1317271

Parameter	Units	92222401029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	17.6	50	50	516	525	996	1015	90-110	2	4	M1

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WET/33942 Analysis Method: SM 3500-Fe B
QC Batch Method: SM 3500-Fe B Analysis Description: Iron, Ferrous
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1315305 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.50	0.50	10/24/14 20:37	N2

LABORATORY CONTROL SAMPLE: 1315306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.5	1.5	99	90-110	N2

SAMPLE DUPLICATE: 1315307

Parameter	Units	92221401005 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	ND	<0.50		10	H3,N2

SAMPLE DUPLICATE: 1315308

Parameter	Units	92222561007 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	mg/L	25.7	26.6	3	10	H3,N2

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WET/33977 Analysis Method: SM 4500-S2D
QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

METHOD BLANK: 1316732 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<0.10	0.10	10/28/14 15:20	

LABORATORY CONTROL SAMPLE: 1316733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.53	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1316734 1316735

Parameter	Units	92222446002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	.5	.5	0.52	0.52	104	104	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1316736 1316737

Parameter	Units	92222889001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	ND	.5	.5	0.50	0.50	99	99	90-110	0	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WET/33997 Analysis Method: SM 4500-S2D
QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1317321 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<0.10	0.10	10/29/14 14:30	

LABORATORY CONTROL SAMPLE: 1317322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.52	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317323 1317324

Parameter	Units	92222561007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	<0.10	.5	.5	0.53	0.53	89	89	90-110	0	10	M1

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WET/33917 | Analysis Method: SM 5210B
QC Batch Method: SM 5210B | Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 92222561001, 92222561003

METHOD BLANK: 1313961 | Matrix: Water
Associated Lab Samples: 92222561001, 92222561003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	10/28/14 12:47	

LABORATORY CONTROL SAMPLE: 1313962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	168	85	84.5-115.4	

SAMPLE DUPLICATE: 1314006

Parameter	Units	92222356002 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	1170	1050	11	10	D6

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WET/33924 | Analysis Method: SM 5210B
QC Batch Method: SM 5210B | Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 92222561002

METHOD BLANK: 1314241 | Matrix: Water
Associated Lab Samples: 92222561002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	10/28/14 22:40	

LABORATORY CONTROL SAMPLE: 1314242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	217	110	84.5-115.4	

SAMPLE DUPLICATE: 1314243

Parameter	Units	92222678001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	ND	<2.0		10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WET/33936 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1314589 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	10/29/14 09:28	

LABORATORY CONTROL SAMPLE: 1314590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	179	90	84.5-115.4	

SAMPLE DUPLICATE: 1314591

Parameter	Units	92222733001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	80.4	80.4	0	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20675 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 92222561001, 92222561002, 92222561003

METHOD BLANK: 1315488 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	2.0	10/28/14 13:05	

LABORATORY CONTROL SAMPLE: 1315489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315490 1315491

Parameter	Units	92222278001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	ND	20	20	20.2	20.0	94	93	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315492 1315493

Parameter	Units	92220339037 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	8630 ug/L	20	20	28.8	28.8	101	101	90-110	0	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20740 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1319891 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	2.0	10/31/14 21:37	

LABORATORY CONTROL SAMPLE: 1319892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	18.9	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1319893 1319894

Parameter	Units	92223111001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	1760	20	20	1720	1720	-226	-202	90-110	0	10	M6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1319895 1319896

Parameter	Units	92222401033 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	ND	20	20	19.2	19.3	96	96	90-110	0	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20645 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 92222561001, 92222561002, 92222561003

METHOD BLANK: 1314160 | Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	<0.010	0.020	10/23/14 20:57	

LABORATORY CONTROL SAMPLE: 1314161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2.5	2.4	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1314162 1314163

Parameter	Units	92222587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	2.5	2.5	2.6	2.6	103	102	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1314164 1314165

Parameter	Units	92222461001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.538	2.5	2.5	2.9	2.9	96	96	90-110	0	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20663 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 92222561007, 92222561008, 92222561009

METHOD BLANK: 1315319 | Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	<0.010	0.020	10/24/14 22:15	

LABORATORY CONTROL SAMPLE: 1315320

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2.5	2.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315321 1315322

Parameter	Units	92222832001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	0.16	2.5	2.5	2.6	2.6	98	98	90-110	0	10	H3

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315323 1315324

Parameter	Units	92222798003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	ND	2.5	2.5	1.8	1.8	73	74	90-110	1	10	M1

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(828)254-7176

QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20665 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 92222561010

METHOD BLANK: 1315333 | Matrix: Water
Associated Lab Samples: 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	<0.010	0.020	10/24/14 23:08	

LABORATORY CONTROL SAMPLE: 1315334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2.5	2.4	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315335 1315336

Parameter	Units	92222816007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Nitrate	mg/L	3.7	2.5	2.5	5.5	5.5	72	72	90-110	0	10	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20716 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 92222561001, 92222561002, 92222561003

METHOD BLANK: 1318087 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.50	1.0	10/30/14 01:51	

LABORATORY CONTROL SAMPLE: 1318088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.4	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1318089 1318090

Parameter	Units	92223111001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6770	20	20	6280	6320	-2482	-2252	90-110	1	10	M6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1318091 1318092

Parameter	Units	92222561003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	0.80J	20	20	22.2	22.1	107	107	90-110	1	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20744 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 92222561007, 92222561008, 92222561009

METHOD BLANK: 1320229 Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.50	1.0	11/01/14 04:49	

LABORATORY CONTROL SAMPLE: 1320230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.5	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320231 1320232

Parameter	Units	92223228004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.4	20	20	25.0	24.9	108	108	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320233 1320234

Parameter	Units	92222401027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.9	20	20	23.9	23.9	105	105	90-110	0	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20745 | Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E | Analysis Description: 4500 Chloride
Associated Lab Samples: 92222561010

METHOD BLANK: 1320235 | Matrix: Water
Associated Lab Samples: 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.50	1.0	11/01/14 05:12	

LABORATORY CONTROL SAMPLE: 1320236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320237 1320238

Parameter	Units	92222561010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	60.0	20	20	80.5	80.9	102	105	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320239 1320240

Parameter	Units	92222889004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1570 ug/L	20	20	21.6	21.4	100	99	90-110	1	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20748 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

METHOD BLANK: 1320257 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561004, 92222561005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	<0.0025	0.0050	11/02/14 12:24	

LABORATORY CONTROL SAMPLE: 1320258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320259 1320260

Parameter	Units	92222398003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.089	0.092	87	90	75-125	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320261 1320262

Parameter	Units	92222663005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.11	0.11	107	107	75-125	0	10	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20749 | Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E | Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1320263 | Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	<0.0025	0.0050	11/02/14 12:52	

LABORATORY CONTROL SAMPLE: 1320264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320265 1320266

Parameter	Units	92222600001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	<0.0025	<0.0025	0	0	75-125		10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320267 1320268

Parameter	Units	92223505001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.025	.1	.1	0.039	0.041	13	15	75-125	5	10	M1

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20725 | Analysis Method: SM 5220D
QC Batch Method: SM 5220D | Analysis Description: 5220D COD
Associated Lab Samples: 92222561001, 92222561002

METHOD BLANK: 1318892 | Matrix: Water
Associated Lab Samples: 92222561001, 92222561002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<12.5	25.0	10/30/14 16:00	

LABORATORY CONTROL SAMPLE: 1318893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	749	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1318896 1318897

Parameter	Units	92223160001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	323	750	750	1070	1070	99	99	90-110	0	3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1318904 1318905

Parameter	Units	92223111001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	380	750	750	979	979	80	80	90-110	0	3	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20755 | Analysis Method: SM 5220D
QC Batch Method: SM 5220D | Analysis Description: 5220D COD
Associated Lab Samples: 92222561003

METHOD BLANK: 1320402 | Matrix: Water
Associated Lab Samples: 92222561003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<12.5	25.0	11/01/14 14:30	

LABORATORY CONTROL SAMPLE: 1320403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	771	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320404 1320405

Parameter	Units	92223490001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	292	750	750	1070	1070	104	104	90-110	0	3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1320406 1320407

Parameter	Units	92223427006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	287	750	750	1080	1080	105	105	90-110	0	3	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20808 | Analysis Method: SM 5220D
QC Batch Method: SM 5220D | Analysis Description: 5220D COD
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1323481 | Matrix: Water
Associated Lab Samples: 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<12.5	25.0	11/06/14 10:41	

LABORATORY CONTROL SAMPLE: 1323482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	755	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1323483 1323484

Parameter	Units	92222561007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	36.0	750	750	769	769	98	98	90-110	0	3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1323485 1323486

Parameter	Units	92224000005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	138	750	750	859	859	96	96	90-110	0	3	

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QUALITY CONTROL DATA

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

QC Batch: WETA/20711 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561007, 92222561008, 92222561009, 92222561010

METHOD BLANK: 1317896 Matrix: Water
Associated Lab Samples: 92222561001, 92222561002, 92222561003, 92222561007, 92222561008, 92222561009, 92222561010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	1.0	10/29/14 21:39	

LABORATORY CONTROL SAMPLE: 1317898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	24.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317899 1317900

Parameter	Units	92222059004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	17.6	25	25	31.8	31.7	57	56	90-110	0	5	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1317901 1317902

Parameter	Units	92222561001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	45.0	25	25	37.5	37.1	-30	-32	90-110	1	5	M1

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QUALIFIERS

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte
PASI-M	Pace Analytical Services - Minneapolis
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92222561001	**MW-03**	RSK 175	AIR/21684		
92222561002	**MW-04**	RSK 175	AIR/21684		
92222561003	**MW-06**	RSK 175	AIR/21684		
92222561007	**MW-01**	RSK 175	AIR/21696		
92222561008	**MW-02**	RSK 175	AIR/21696		
92222561009	**MW-05R**	RSK 175	AIR/21696		
92222561010	**MW-07**	RSK 175	AIR/21696		
92222561001	**MW-03**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561002	**MW-04**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561003	**MW-06**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561004	**SW-1**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561005	**SW-2**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561007	**MW-01**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561008	**MW-02**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561009	**MW-05R**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561010	**MW-07**	EPA 3510	OEXT/30775	EPA 8081	GCSV/19337
92222561001	**MW-03**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561002	**MW-04**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561003	**MW-06**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561004	**SW-1**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561005	**SW-2**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561007	**MW-01**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561008	**MW-02**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561009	**MW-05R**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561010	**MW-07**	EPA 3510	OEXT/30880	EPA 8082	GCSV/19389
92222561001	**MW-03**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561002	**MW-04**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561003	**MW-06**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561004	**SW-1**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561005	**SW-2**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561007	**MW-01**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561008	**MW-02**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561009	**MW-05R**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561010	**MW-07**	EPA 3510	OEXT/19452	EPA 8141	GCSV/12791
92222561001	**MW-03**	EPA 8151	OEXT/19451	EPA 8151	GCSV/12787
92222561002	**MW-04**	EPA 8151	OEXT/19451	EPA 8151	GCSV/12787
92222561003	**MW-06**	EPA 8151	OEXT/19451	EPA 8151	GCSV/12787
92222561004	**SW-1**	EPA 8151	OEXT/19465	EPA 8151	GCSV/12793
92222561005	**SW-2**	EPA 8151	OEXT/19465	EPA 8151	GCSV/12793
92222561007	**MW-01**	EPA 8151	OEXT/19483	EPA 8151	GCSV/12805
92222561008	**MW-02**	EPA 8151	OEXT/19483	EPA 8151	GCSV/12805
92222561009	**MW-05R**	EPA 8151	OEXT/19483	EPA 8151	GCSV/12805
92222561010	**MW-07**	EPA 8151	OEXT/19483	EPA 8151	GCSV/12805
92222561001	**MW-03**	EPA 3010	MPRP/17188	EPA 6010	ICP/15497
92222561002	**MW-04**	EPA 3010	MPRP/17188	EPA 6010	ICP/15497

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92222561003	**MW-06**	EPA 3010	MPRP/17188	EPA 6010	ICP/15497
92222561004	**SW-1**	EPA 3010	MPRP/17188	EPA 6010	ICP/15497
92222561005	**SW-2**	EPA 3010	MPRP/17188	EPA 6010	ICP/15497
92222561007	**MW-01**	EPA 3010	MPRP/17210	EPA 6010	ICP/15516
92222561008	**MW-02**	EPA 3010	MPRP/17210	EPA 6010	ICP/15516
92222561009	**MW-05R**	EPA 3010	MPRP/17210	EPA 6010	ICP/15516
92222561010	**MW-07**	EPA 3010	MPRP/17210	EPA 6010	ICP/15516
92222561001	**MW-03**	EPA 7470	MERP/7218	EPA 7470	MERC/6940
92222561002	**MW-04**	EPA 7470	MERP/7218	EPA 7470	MERC/6940
92222561003	**MW-06**	EPA 7470	MERP/7218	EPA 7470	MERC/6940
92222561004	**SW-1**	EPA 7470	MERP/7218	EPA 7470	MERC/6940
92222561005	**SW-2**	EPA 7470	MERP/7218	EPA 7470	MERC/6940
92222561007	**MW-01**	EPA 7470	MERP/7224	EPA 7470	MERC/6947
92222561008	**MW-02**	EPA 7470	MERP/7224	EPA 7470	MERC/6947
92222561009	**MW-05R**	EPA 7470	MERP/7224	EPA 7470	MERC/6947
92222561010	**MW-07**	EPA 7470	MERP/7224	EPA 7470	MERC/6947
92222561001	**MW-03**	EPA 3510	OEXT/30779	EPA 8270	MSSV/9881
92222561002	**MW-04**	EPA 3510	OEXT/30779	EPA 8270	MSSV/9881
92222561003	**MW-06**	EPA 3510	OEXT/30779	EPA 8270	MSSV/9881
92222561004	**SW-1**	EPA 3510	OEXT/30779	EPA 8270	MSSV/9881
92222561005	**SW-2**	EPA 3510	OEXT/30779	EPA 8270	MSSV/9881
92222561007	**MW-01**	EPA 3510	OEXT/30811	EPA 8270	MSSV/9869
92222561008	**MW-02**	EPA 3510	OEXT/30811	EPA 8270	MSSV/9869
92222561009	**MW-05R**	EPA 3510	OEXT/30811	EPA 8270	MSSV/9869
92222561010	**MW-07**	EPA 3510	OEXT/30811	EPA 8270	MSSV/9869
92222561013	**DW-01**	EPA 524.2	MSV/13121		
92222561001	**MW-03**	EPA 8260	MSV/28937		
92222561002	**MW-04**	EPA 8260	MSV/28937		
92222561003	**MW-06**	EPA 8260	MSV/28937		
92222561004	**SW-1**	EPA 8260	MSV/28937		
92222561005	**SW-2**	EPA 8260	MSV/28937		
92222561006	**Trip Blank**	EPA 8260	MSV/29045		
92222561007	**MW-01**	EPA 8260	MSV/29097		
92222561008	**MW-02**	EPA 8260	MSV/29097		
92222561009	**MW-05R**	EPA 8260	MSV/29097		
92222561010	**MW-07**	EPA 8260	MSV/29097		
92222561011	**LT-01**	EPA 8260	MSV/29097		
92222561012	**Trip Blank**	EPA 8260	MSV/29097		
92222561001	**MW-03**	SM 2320B	WET/33982		
92222561002	**MW-04**	SM 2320B	WET/33982		
92222561003	**MW-06**	SM 2320B	WET/33982		
92222561007	**MW-01**	SM 2320B	WET/33996		
92222561008	**MW-02**	SM 2320B	WET/33996		

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(828)254-7176

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92222561009	**MW-05R**	SM 2320B	WET/33996		
92222561010	**MW-07**	SM 2320B	WET/33996		
92222561001	**MW-03**	SM 3500-Fe B	WET/33942		
92222561002	**MW-04**	SM 3500-Fe B	WET/33942		
92222561003	**MW-06**	SM 3500-Fe B	WET/33942		
92222561007	**MW-01**	SM 3500-Fe B	WET/33942		
92222561008	**MW-02**	SM 3500-Fe B	WET/33942		
92222561009	**MW-05R**	SM 3500-Fe B	WET/33942		
92222561010	**MW-07**	SM 3500-Fe B	WET/33942		
92222561001	**MW-03**	SM 4500-S2D	WET/33977		
92222561002	**MW-04**	SM 4500-S2D	WET/33977		
92222561003	**MW-06**	SM 4500-S2D	WET/33977		
92222561004	**SW-1**	SM 4500-S2D	WET/33977		
92222561005	**SW-2**	SM 4500-S2D	WET/33977		
92222561007	**MW-01**	SM 4500-S2D	WET/33997		
92222561008	**MW-02**	SM 4500-S2D	WET/33997		
92222561009	**MW-05R**	SM 4500-S2D	WET/33997		
92222561010	**MW-07**	SM 4500-S2D	WET/33997		
92222561001	**MW-03**	SM 5210B	WET/33917	SM 5210B	WET/33922
92222561002	**MW-04**	SM 5210B	WET/33924	SM 5210B	WET/33926
92222561003	**MW-06**	SM 5210B	WET/33917	SM 5210B	WET/33922
92222561007	**MW-01**	SM 5210B	WET/33936	SM 5210B	WET/33939
92222561008	**MW-02**	SM 5210B	WET/33936	SM 5210B	WET/33939
92222561009	**MW-05R**	SM 5210B	WET/33936	SM 5210B	WET/33939
92222561010	**MW-07**	SM 5210B	WET/33936	SM 5210B	WET/33939
92222561001	**MW-03**	EPA 300.0	WETA/20675		
92222561002	**MW-04**	EPA 300.0	WETA/20675		
92222561003	**MW-06**	EPA 300.0	WETA/20675		
92222561007	**MW-01**	EPA 300.0	WETA/20740		
92222561008	**MW-02**	EPA 300.0	WETA/20740		
92222561009	**MW-05R**	EPA 300.0	WETA/20740		
92222561010	**MW-07**	EPA 300.0	WETA/20740		
92222561001	**MW-03**	EPA 353.2	WETA/20645		
92222561002	**MW-04**	EPA 353.2	WETA/20645		
92222561003	**MW-06**	EPA 353.2	WETA/20645		
92222561007	**MW-01**	EPA 353.2	WETA/20663		
92222561008	**MW-02**	EPA 353.2	WETA/20663		
92222561009	**MW-05R**	EPA 353.2	WETA/20663		
92222561010	**MW-07**	EPA 353.2	WETA/20665		
92222561001	**MW-03**	SM 4500-Cl-E	WETA/20716		
92222561002	**MW-04**	SM 4500-Cl-E	WETA/20716		
92222561003	**MW-06**	SM 4500-Cl-E	WETA/20716		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Jackson Co LF GW October 2014
Pace Project No.: 92222561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92222561007	**MW-01**	SM 4500-Cl-E	WETA/20744		
92222561008	**MW-02**	SM 4500-Cl-E	WETA/20744		
92222561009	**MW-05R**	SM 4500-Cl-E	WETA/20744		
92222561010	**MW-07**	SM 4500-Cl-E	WETA/20745		
92222561001	**MW-03**	SM 4500-CN-E	WETA/20748		
92222561002	**MW-04**	SM 4500-CN-E	WETA/20748		
92222561003	**MW-06**	SM 4500-CN-E	WETA/20748		
92222561004	**SW-1**	SM 4500-CN-E	WETA/20748		
92222561005	**SW-2**	SM 4500-CN-E	WETA/20748		
92222561007	**MW-01**	SM 4500-CN-E	WETA/20749		
92222561008	**MW-02**	SM 4500-CN-E	WETA/20749		
92222561009	**MW-05R**	SM 4500-CN-E	WETA/20749		
92222561010	**MW-07**	SM 4500-CN-E	WETA/20749		
92222561001	**MW-03**	SM 5220D	WETA/20725		
92222561002	**MW-04**	SM 5220D	WETA/20725		
92222561003	**MW-06**	SM 5220D	WETA/20755		
92222561007	**MW-01**	SM 5220D	WETA/20808		
92222561008	**MW-02**	SM 5220D	WETA/20808		
92222561009	**MW-05R**	SM 5220D	WETA/20808		
92222561010	**MW-07**	SM 5220D	WETA/20808		
92222561001	**MW-03**	SM 5310B	WETA/20711		
92222561002	**MW-04**	SM 5310B	WETA/20711		
92222561003	**MW-06**	SM 5310B	WETA/20711		
92222561007	**MW-01**	SM 5310B	WETA/20711		
92222561008	**MW-02**	SM 5310B	WETA/20711		
92222561009	**MW-05R**	SM 5310B	WETA/20711		
92222561010	**MW-07**	SM 5310B	WETA/20711		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1888618

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood St. Asheville NC 28801
Email To: bgant@altamontenvironmental.com
Phone: 828 281 3350 Fax: 828 281 3351
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Brian Gant
Copy To: Evan Yurkovich
Purchase Order No.:
Project Name: Jackson Co LF Gw Sampling
Project Number: 2040

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Altamont
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): VOCs by 8260	Metals, Herbicides, 8270	PCBs by 8082, Pesticides 8081	8140	Cyanide, Sulfide	Alkalinity	CO_2, COD, BOD	Methane, Ethane, Ethene	Ferrous Iron	Hydrogen	Volatile Fatty Acids	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92222561
1	MW-03	W	G			10/22/14	1253	15.7	33	X	X	X	X	X			X		X	X	X	X	X	X	X	X	X			-001
2	MW-04	W	G			10/22/14	1607	15.2	33	X	X	X	X	X			X		X	X	X	X	X	X	X	X	X	X		-002
3	MW-06	W	G			10/22/14	1029	14.7	33	X	X	X	X	X			X		X	X	X	X	X	X	X	X	X	X		-003
4	SW-1	W	G			10/22/14	1610	15.0	15	X		X	X	X			X		X	X	X	X	X							-004
5	SW-2	W	G			10/22/14	1455	14.9	15	X		X	X	X			X		X	X	X	X	X							-005
6	Trip Blank					10/22/14			2				X						X											-006
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Parker Brooks / Altamont	10/23/14	805	Terri Patton	10/23/14	0805	4.1/4.7	Y	N	Y
							0.4			
							3.6			
							0.2			

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Parker Brooks

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/22/14

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical® www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 10, 2014 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.14	Issuing Authorities: Pace Asheville Quality Office

Client Name: Altamont

Courier (Circle): Fed Ex UPS USPS (Client) Commercial Pace Other_____

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

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun#3 -130265963 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

(IR Gun #4 SN:140290365) Other:_____

Temp Correction Factor: Add / Subtract 0 C

Corrected Cooler Temp.: 4.1/1.7/0.4/3.6 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C 0.2

Date and Initials of person examining contents: 10/23/14 LP

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. BOD, Nitrate
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☑Yes ☐No ☐N/A	12.
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:		**Date:**	
SRF Review:		**Date:**	

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92222561

92222561

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1888602

Section A Required Client Information:

Company: Altamont Environmental
Address: 231 Haywood St
Asheville NC 28801
Email To: brian@altamontenvironmental.com
Phone: 828 281 3350 Fax: 828 281 3350
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Brian Gant
Copy To: Evan Yurkovich
Purchase Order No.:
Project Name: Jackson Co LF GW Sampling
Project Number: 2040

Section C Invoice Information:

Attention: Sue Brewer
Company Name: Altamont
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): VOCs by 8260	Metals, Herbicides	8270 PCBs by 8082	Pesticides by 8081	8141 OP Pest	Cyanide, Sulfide	Alkalinity, COC	COD, BOD, Ferrous Iron	Methane, Ethane, Ethene	Hydrogen	Nitrate, Sulfate, Chloride	TOC, Volatile Fatty Acids	~~Residual Chlorine (Y/N)~~	VOCs by 8260 (Y/N)	Pace Project No./ Lab I.D.
1	MW-01	WT	G			10/23/14	1245	17.0	32	X	X	X	X	X			X	X	X	X	X	X	X	X	X		X	X			92222561-007
2	MW-02	WT	G			10/23/14	1030	14.8	32	X	X	X	X	X			X	X	X	X	X	X	X	X	X		X	X			-008
3	MW-05R	WT	G			10/23/14	945	12.8	32	X	X	X	X	X			X	X	X	X	X	X	X	X	X		X	X			-009
4	MW-07	WT	G			10/23/14	1508	15.4	33	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X			-010
5	LT-01	WT	G			10/23/14	1326	19.3	3				X					X													-011
6	DW-01	WT	G			10/23/14	1359	14.8	3				X																X		-013
7	Trip Blank	WT							2				X					X													-012
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	M Stamey	10/24/14	11:04	Keri Patton	10/24/14	1104	2.1/1.3 2.7/2.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MEGAN STAMEY

SIGNATURE of SAMPLER: M Stamey

DATE Signed (MM/DD/YY): 10/24/14

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical www.pacolabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 10, 2014 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.14	Issuing Authorities: Pace Asheville Quality Office

Client Name: Altamont

Courier (Circle): Fed Ex UPS USPS (Client) Commercial Pace Other_____

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

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun#3 -130268963 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

IR (Gun #4 SN:140290365) Other:_____

Temp Correction Factor: Add / Subtract 0 C

Corrected Cooler Temp.: 21.3/2.7/2.0 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/24/14 LP

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. BOD, Nitrate
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: (VOA) coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: LP **Date:** 10/24/14

SRF Review: LP **Date:** 10/24/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Place label here

OR 92222561

Handwrite project number (if no label available)

Microseeps/Pace Analytical Energy Services, LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

November 4, 2014

Lorri Patton
Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804

RE: **JACKSON CO / 92222561**
Microseeps Workorder: 13771

Dear Lorri Patton:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, October 24, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl 11/04/2014
rrobl@microseeps.com RW 11-5-14

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email info@microseeps.com.

Total Number of Pages 116

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Fax: (412) 826-3433

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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SAMPLE SUMMARY

Workorder: 13771 JACKSON CO / 92222561

Lab ID	Sample ID	Matrix	Date Collected	Date Received
137710001	MW-03	Bubble Strip	10/22/2014 12:33	10/24/2014 13:56
137710002	MW-03	Water	10/22/2014 12:33	10/24/2014 13:56
137710003	MW-04	Bubble Strip	10/22/2014 16:07	10/24/2014 13:56
137710004	MW-04	Water	10/22/2014 16:07	10/24/2014 13:56
137710005	MW-06	Bubble Strip	10/22/2014 10:29	10/24/2014 13:56
137710006	MW-06	Water	10/22/2014 10:29	10/24/2014 13:56

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ANALYTICAL RESULTS

Workorder: 13771 JACKSON CO / 92222561

Lab ID: **137710001** Date Received: 10/24/2014 13:56 Matrix: Bubble Strip
Sample ID: **MW-03** Date Collected: 10/22/2014 12:33

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Carbon Dioxide	**320**	mg/l	2.0	0.36	1			11/1/2014 07:29	TD	
Hydrogen	**6.5**	nM	0.60	0.13	1			11/1/2014 07:29	TD	

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ANALYTICAL RESULTS

Workorder: 13771 JACKSON CO / 92222561

Lab ID: **137710002** Date Received: 10/24/2014 13:56 Matrix: Water

Sample ID: **MW-03** Date Collected: 10/22/2014 12:33

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
EDonors - MICR										
Analysis Desc: AM23G			Analytical Method: AM23G							
Lactic Acid	**0.053J**	mg/l	0.10	0.012	1			10/31/2014 10:53	KB	
Acetic Acid	**0.037J**	mg/l	0.070	0.0080	1			10/31/2014 10:53	KB	
Propionic Acid	**0.011U**	mg/l	0.050	0.011	1			10/31/2014 10:53	KB	
Formic Acid	**0.10**	mg/l	0.10	0.0070	1			10/31/2014 10:53	KB	
Butyric Acid	**0.0070U**	mg/l	0.050	0.0070	1			10/31/2014 10:53	KB	
Pyruvic Acid	**0.0090U**	mg/l	0.15	0.0090	1			10/31/2014 10:53	KB	
i-Pentanoic Acid	**0.0080U**	mg/l	0.15	0.0080	1			10/31/2014 10:53	KB	
Pentanoic Acid	**0.014U**	mg/l	0.070	0.014	1			10/31/2014 10:53	KB	
i-Hexanoic Acid	**0.10U**	mg/l	0.20	0.10	1			10/31/2014 10:53	KB	
Hexanoic Acid	**0.12U**	mg/l	0.50	0.12	1			10/31/2014 10:53	KB	

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ANALYTICAL RESULTS

Workorder: 13771 JACKSON CO / 92222561

Lab ID: **137710003** Date Received: 10/24/2014 13:56 Matrix: Bubble Strip
Sample ID: **MW-04** Date Collected: 10/22/2014 16:07

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Carbon Dioxide	**390**	mg/l	2.0	0.36	1			11/1/2014 07:43	TD	
Hydrogen	**33**	nM	0.60	0.13	1			11/1/2014 07:43	TD	

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ANALYTICAL RESULTS

Workorder: 13771 JACKSON CO / 92222561

Lab ID: **137710004** Date Received: 10/24/2014 13:56 Matrix: Water

Sample ID: **MW-04** Date Collected: 10/22/2014 16:07

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
EDonors - MICR										
Analysis Desc: AM23G			Analytical Method: AM23G							
Lactic Acid	**0.055J**	mg/l	0.10	0.012	1			10/31/2014 13:16	KB	
Acetic Acid	**0.040J**	mg/l	0.070	0.0080	1			10/31/2014 13:16	KB	
Propionic Acid	**0.011U**	mg/l	0.050	0.011	1			10/31/2014 13:16	KB	
Formic Acid	**0.10**	mg/l	0.10	0.0070	1			10/31/2014 13:16	KB	
Butyric Acid	**0.0070U**	mg/l	0.050	0.0070	1			10/31/2014 13:16	KB	
Pyruvic Acid	**0.0090U**	mg/l	0.15	0.0090	1			10/31/2014 13:16	KB	
i-Pentanoic Acid	**0.0080U**	mg/l	0.15	0.0080	1			10/31/2014 13:16	KB	
Pentanoic Acid	**0.014U**	mg/l	0.070	0.014	1			10/31/2014 13:16	KB	
i-Hexanoic Acid	**0.10U**	mg/l	0.20	0.10	1			10/31/2014 13:16	KB	
Hexanoic Acid	**0.12U**	mg/l	0.50	0.12	1			10/31/2014 13:16	KB	

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ANALYTICAL RESULTS

Workorder: 13771 JACKSON CO / 92222561

Lab ID: **137710005** Date Received: 10/24/2014 13:56 Matrix: Bubble Strip
Sample ID: **MW-06** Date Collected: 10/22/2014 10:29

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Carbon Dioxide	**280**	mg/l	2.0	0.36	1			11/1/2014 07:56	TD	
Hydrogen	**1.3**	nM	0.60	0.13	1			11/1/2014 07:56	TD	

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ANALYTICAL RESULTS

Workorder: 13771 JACKSON CO / 92222561

Lab ID: **137710006** Date Received: 10/24/2014 13:56 Matrix: Water

Sample ID: **MW-06** Date Collected: 10/22/2014 10:29

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
EDonors - MICR										
Analysis Desc: AM23G			Analytical Method: AM23G							
Lactic Acid	**0.031J**	mg/l	0.10	0.012	1			10/31/2014 14:04	KB	
Acetic Acid	**0.030J**	mg/l	0.070	0.0080	1			10/31/2014 14:04	KB	
Propionic Acid	**0.011U**	mg/l	0.050	0.011	1			10/31/2014 14:04	KB	
Formic Acid	**0.072J**	mg/l	0.10	0.0070	1			10/31/2014 14:04	KB	
Butyric Acid	**0.0070U**	mg/l	0.050	0.0070	1			10/31/2014 14:04	KB	
Pyruvic Acid	**0.0090U**	mg/l	0.15	0.0090	1			10/31/2014 14:04	KB	
i-Pentanoic Acid	**0.0080U**	mg/l	0.15	0.0080	1			10/31/2014 14:04	KB	
Pentanoic Acid	**0.014U**	mg/l	0.070	0.014	1			10/31/2014 14:04	KB	
i-Hexanoic Acid	**0.10U**	mg/l	0.20	0.10	1			10/31/2014 14:04	KB	
Hexanoic Acid	**0.12U**	mg/l	0.50	0.12	1			10/31/2014 14:04	KB	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 13771 JACKSON CO / 92222561

DEFINITIONS/QUALIFIERS

Disclaimer : The Pennsylvania Department of Environmental Protection (PADEP) has decided to no longer recognize analyses that do not produce data for primary compliance, for NELAP accreditation. The methods affected by this decision are AM20GAx, AM21G, SW846 7199 and AM4.02. The laboratory shall continue to administer the NELAP/TNI standard requirements in the performance of these methods.

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).

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QUALITY CONTROL DATA

Workorder: 13771 JACKSON CO / 92222561

QC Batch: EDON/2305 Analysis Method: AM23G

QC Batch Method: AM23G

Associated Lab Samples: 137710002, 137710004, 137710006

METHOD BLANK: 31280

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
EDonors				
Lactic Acid	mg/l	0.045J	0.012	
Acetic Acid	mg/l	0.031J	0.0080	
Propionic Acid	mg/l	0.011U	0.011	
Formic Acid	mg/l	0.056J	0.0070	
Butyric Acid	mg/l	0.0070U	0.0070	
Pyruvic Acid	mg/l	0.0090U	0.0090	
i-Pentanoic Acid	mg/l	0.0080U	0.0080	
Pentanoic Acid	mg/l	0.014U	0.014	
i-Hexanoic Acid	mg/l	0.10U	0.10	
Hexanoic Acid	mg/l	0.12U	0.12	

LABORATORY CONTROL SAMPLE: 31281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EDonors						
Lactic Acid	mg/l	2	2.0	101	70-130	
Acetic Acid	mg/l	2	2.0	101	70-130	
Propionic Acid	mg/l	2	2.0	101	70-130	
Formic Acid	mg/l	2	2.1	104	70-130	
Butyric Acid	mg/l	2	2.0	98	70-130	
Pyruvic Acid	mg/l	2	2.1	104	70-130	
i-Pentanoic Acid	mg/l	2	1.9	95	70-130	
Pentanoic Acid	mg/l	2	1.9	97	70-130	
i-Hexanoic Acid	mg/l	2	2.2	111	70-130	
Hexanoic Acid	mg/l	2	1.9	95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 31282 31283 Original: 137710002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
EDonors											
Lactic Acid	mg/l	0.053	2	2.0	2.0	99	99	70-130	0	30	

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Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 13771 JACKSON CO / 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 31282 31283 Original: 137710002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Acetic Acid	mg/l	0.037	2	2.0	2.0	99	100	70-130	1	30	
Propionic Acid	mg/l	0	2	2.0	2.0	101	101	70-130	0	30	
Formic Acid	mg/l	0.1	2	2.2	2.0	107	96	70-130	11	30	
Butyric Acid	mg/l	0	2	2.1	2.0	107	99	70-130	7.8	30	
Pyruvic Acid	mg/l	0	2	2.0	1.9	99	95	70-130	4.1	30	
i-Pentanoic Acid	mg/l	0	2	1.9	1.9	96	95	70-130	1	30	
Pentanoic Acid	mg/l	0	2	1.9	2.0	97	99	70-130	2	30	
i-Hexanoic Acid	mg/l	0	2	2.2	2.2	109	108	70-130	0.92	30	
Hexanoic Acid	mg/l	0	2	1.9	2.0	96	98	70-130	2.1	30	

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QUALITY CONTROL DATA

Workorder: 13771 JACKSON CO / 92222561

QC Batch: DISG/4144 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 137710001, 137710003, 137710005

METHOD BLANK: 31322

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Carbon Dioxide	mg/l	0.36U	0.36	

METHOD BLANK: 31323

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Hydrogen	nM	0.13U	0.13	

LABORATORY CONTROL SAMPLE & LCSD: 31325 31328

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Carbon Dioxide	mg/l	97	88	86	91	89	80-120	2.2	20	

LABORATORY CONTROL SAMPLE & LCSD: 31326 31329

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Hydrogen	nM	24	22	22	91	88	80-120	3.4	20	

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Fax: (412) 826-3433

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 13771 JACKSON CO / 92222561

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
137710002	MW-03			AM23G	EDON/2305
137710004	MW-04			AM23G	EDON/2305
137710006	MW-06			AM23G	EDON/2305
137710001	MW-03			AM20GAX	DISG/4144
137710003	MW-04			AM20GAX	DISG/4144
137710005	MW-06			AM20GAX	DISG/4144

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Chain of Custody

13771

Pace Analytical®
www.pacelabs.com

Workorder: 92222561 **Workorder Name:** Jackson Co LF GW October 2014 **Results Requested** 11/6/2014

Report / Invoice To

Lorri Patton
Pace Analytical Asheville
2225 Riverside Dr.
Asheville, NC 28804
Phone (828)254-7176
Email: lorri.patton@pacelabs.com

Subcontract To

Microseeps

P.O. LP102314

Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Hydrogen	Carbon Dioxide	Low Level Volatile Fatty Acids	LAB USE ONLY
1	MW-03	10/22/2014 12:33	92222561001	Water	5	X	X	X	
2	MW-04	10/22/2014 16:07	92222561002	Water	5	X	X	X	
3	MW-06	10/22/2014 10:29	92222561003	Water	5	X	X	X	
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time
1	Lorri Patton	10/23/14 1700	[illegible] PAS	10.24.14
2				1130
3				

Comments

Appendix II MNA parameters.
Please report J Flags & MDLS if applicable.

Cooler Temperature on Receipt 2.2 °C **Custody Seal** Y or (N) **Received on Ice** (Y) or N **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Cooler Receipt Form

Client Name: Pace Ashville Project: Jackson Co/ 92222561 Lab Work Order: 13771

A. Shipping/Container Information (circle appropriate response)

Courier: (FedEx) UPS USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 7715 9851 6420

Custody Seal on Cooler/Box Present: Yes (No) Seals Intact: Yes No

Cooler/Box Packing Material: (Bubble Wrap) Absorbent Foam Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 2.2°C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conforman
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC		✓		
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by : LJ Date: 10/24/14

Project Manager Review : RL Date: 10/24/14

Microseeps/Pace Analytical Energy Services, LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

November 6, 2014

Lorri Patton
Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804

RE: **JACKSON CO / 92222561**
Microseeps Workorder: 13780

Dear Lorri Patton:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, October 27, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl 11/06/2014
rrobl@microseeps.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email info@microseeps.com.

Total Number of Pages 17

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Phone: (412) 826-5245
Fax: (412) 826-3433

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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Fax: (412) 826-3433

SAMPLE SUMMARY

Workorder: 13780 JACKSON CO / 92222561

Lab ID	Sample ID	Matrix	Date Collected	Date Received
137800001	MW-01	Water	10/23/2014 12:45	10/27/2014 09:00
137800002	MW-02	Water	10/23/2014 10:30	10/27/2014 09:00
137800003	MW-05R	Water	10/23/2014 09:45	10/27/2014 09:00
137800004	MW-07	Water	10/23/2014 15:08	10/27/2014 09:00
137800005	MW-07	Bubble Strip	10/23/2014 15:08	10/27/2014 09:00

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ANALYTICAL RESULTS

Workorder: 13780 JACKSON CO / 92222561

Lab ID: **137800001** Date Received: 10/27/2014 09:00 Matrix: Water

Sample ID: **MW-01** Date Collected: 10/23/2014 12:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
EDonors - MICR										
Analysis Desc: AM23G			Analytical Method: AM23G							
Lactic Acid	**0.098J**	mg/l	0.10	0.012	1			10/31/2014 14:51	KB	
Acetic Acid	**0.21**	mg/l	0.070	0.0080	1			10/31/2014 14:51	KB	
Propionic Acid	**0.057**	mg/l	0.050	0.011	1			10/31/2014 14:51	KB	
Formic Acid	**0.11**	mg/l	0.10	0.0070	1			10/31/2014 14:51	KB	
Butyric Acid	**0.0070U**	mg/l	0.050	0.0070	1			10/31/2014 14:51	KB	
Pyruvic Acid	**0.0090U**	mg/l	0.15	0.0090	1			10/31/2014 14:51	KB	
i-Pentanoic Acid	**0.0080U**	mg/l	0.15	0.0080	1			10/31/2014 14:51	KB	
Pentanoic Acid	**0.014U**	mg/l	0.070	0.014	1			10/31/2014 14:51	KB	
i-Hexanoic Acid	**0.10U**	mg/l	0.20	0.10	1			10/31/2014 14:51	KB	
Hexanoic Acid	**0.12U**	mg/l	0.50	0.12	1			10/31/2014 14:51	KB	
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Carbon Dioxide	**320**	mg/l	5.0	0.36	1			11/5/2014 07:38	BW	

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ANALYTICAL RESULTS

Workorder: 13780 JACKSON CO / 92222561

Lab ID: **137800002** Date Received: 10/27/2014 09:00 Matrix: Water

Sample ID: **MW-02** Date Collected: 10/23/2014 10:30

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
EDonors - MICR										
Analysis Desc: AM23G			Analytical Method: AM23G							
Lactic Acid	**0.14**	mg/l	0.10	0.012	1			10/31/2014 15:39	KB	
Acetic Acid	**0.10**	mg/l	0.070	0.0080	1			10/31/2014 15:39	KB	
Propionic Acid	**0.011U**	mg/l	0.050	0.011	1			10/31/2014 15:39	KB	
Formic Acid	**0.13**	mg/l	0.10	0.0070	1			10/31/2014 15:39	KB	
Butyric Acid	**0.0070U**	mg/l	0.050	0.0070	1			10/31/2014 15:39	KB	
Pyruvic Acid	**0.0090U**	mg/l	0.15	0.0090	1			10/31/2014 15:39	KB	
i-Pentanoic Acid	**0.0080U**	mg/l	0.15	0.0080	1			10/31/2014 15:39	KB	
Pentanoic Acid	**0.014U**	mg/l	0.070	0.014	1			10/31/2014 15:39	KB	
i-Hexanoic Acid	**0.10U**	mg/l	0.20	0.10	1			10/31/2014 15:39	KB	
Hexanoic Acid	**0.12U**	mg/l	0.50	0.12	1			10/31/2014 15:39	KB	
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Carbon Dioxide	**94**	mg/l	5.0	0.36	1			11/5/2014 07:49	BW	

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ANALYTICAL RESULTS

Workorder: 13780 JACKSON CO / 92222561

Lab ID: **137800003** Date Received: 10/27/2014 09:00 Matrix: Water

Sample ID: **MW-05R** Date Collected: 10/23/2014 09:45

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
EDonors - MICR										
Analysis Desc: AM23G			Analytical Method: AM23G							
Lactic Acid	**0.54**	mg/l	0.10	0.012	1			10/31/2014 16:26	KB	
Acetic Acid	**0.24**	mg/l	0.070	0.0080	1			10/31/2014 16:26	KB	
Propionic Acid	**0.050**	mg/l	0.050	0.011	1			10/31/2014 16:26	KB	
Formic Acid	**0.28**	mg/l	0.10	0.0070	1			10/31/2014 16:26	KB	
Butyric Acid	**0.096**	mg/l	0.050	0.0070	1			10/31/2014 16:26	KB	
Pyruvic Acid	**0.0090U**	mg/l	0.15	0.0090	1			10/31/2014 16:26	KB	
i-Pentanoic Acid	**0.0080U**	mg/l	0.15	0.0080	1			10/31/2014 16:26	KB	
Pentanoic Acid	**0.068J**	mg/l	0.070	0.014	1			10/31/2014 16:26	KB	
i-Hexanoic Acid	**0.30**	mg/l	0.20	0.10	1			10/31/2014 16:26	KB	
Hexanoic Acid	**0.12U**	mg/l	0.50	0.12	1			10/31/2014 16:26	KB	
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Carbon Dioxide	**110**	mg/l	5.0	0.36	1			11/5/2014 07:59	BW	

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ANALYTICAL RESULTS

Workorder: 13780 JACKSON CO / 92222561

Lab ID: **137800004** Date Received: 10/27/2014 09:00 Matrix: Water

Sample ID: **MW-07** Date Collected: 10/23/2014 15:08

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
EDonors - MICR										
Analysis Desc: AM23G			Analytical Method: AM23G							
Lactic Acid	**0.085J**	mg/l	0.10	0.012	1			10/31/2014 17:14	KB	
Acetic Acid	**0.043J**	mg/l	0.070	0.0080	1			10/31/2014 17:14	KB	
Propionic Acid	**0.011U**	mg/l	0.050	0.011	1			10/31/2014 17:14	KB	
Formic Acid	**0.13**	mg/l	0.10	0.0070	1			10/31/2014 17:14	KB	
Butyric Acid	**0.0070U**	mg/l	0.050	0.0070	1			10/31/2014 17:14	KB	
Pyruvic Acid	**0.064J**	mg/l	0.15	0.0090	1			10/31/2014 17:14	KB	
i-Pentanoic Acid	**0.0080U**	mg/l	0.15	0.0080	1			10/31/2014 17:14	KB	
Pentanoic Acid	**0.059J**	mg/l	0.070	0.014	1			10/31/2014 17:14	KB	
i-Hexanoic Acid	**0.10U**	mg/l	0.20	0.10	1			10/31/2014 17:14	KB	
Hexanoic Acid	**0.12U**	mg/l	0.50	0.12	1			10/31/2014 17:14	KB	
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Carbon Dioxide	**340**	mg/l	5.0	0.36	1			11/5/2014 08:09	BW	

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ANALYTICAL RESULTS

Workorder: 13780 JACKSON CO / 92222561

Lab ID: **137800005** Date Received: 10/27/2014 09:00 Matrix: Bubble Strip
Sample ID: **MW-07** Date Collected: 10/23/2014 15:08

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	**1.5**	nM	0.60	0.13	1			11/1/2014 08:20	TD	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 13780 JACKSON CO / 92222561

DEFINITIONS/QUALIFIERS

Disclaimer : The Pennsylvania Department of Environmental Protection (PADEP) has decided to no longer recognize analyses that do not produce data for primary compliance, for NELAP accreditation. The methods affected by this decision are AM20GAx, AM21G, SW846 7199 and AM4.02. The laboratory shall continue to administer the NELAP/TNI standard requirements in the performance of these methods.

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).

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QUALITY CONTROL DATA

Workorder: 13780 JACKSON CO / 92222561

QC Batch: EDON/2305 Analysis Method: AM23G

QC Batch Method: AM23G

Associated Lab Samples: 137800001, 137800002, 137800003, 137800004

METHOD BLANK: 31280

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
EDonors				
Lactic Acid	mg/l	0.045J	0.012	
Acetic Acid	mg/l	0.031J	0.0080	
Propionic Acid	mg/l	0.011U	0.011	
Formic Acid	mg/l	0.056J	0.0070	
Butyric Acid	mg/l	0.0070U	0.0070	
Pyruvic Acid	mg/l	0.0090U	0.0090	
i-Pentanoic Acid	mg/l	0.0080U	0.0080	
Pentanoic Acid	mg/l	0.014U	0.014	
i-Hexanoic Acid	mg/l	0.10U	0.10	
Hexanoic Acid	mg/l	0.12U	0.12	

LABORATORY CONTROL SAMPLE: 31281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EDonors						
Lactic Acid	mg/l	2	2.0	101	70-130	
Acetic Acid	mg/l	2	2.0	101	70-130	
Propionic Acid	mg/l	2	2.0	101	70-130	
Formic Acid	mg/l	2	2.1	104	70-130	
Butyric Acid	mg/l	2	2.0	98	70-130	
Pyruvic Acid	mg/l	2	2.1	104	70-130	
i-Pentanoic Acid	mg/l	2	1.9	95	70-130	
Pentanoic Acid	mg/l	2	1.9	97	70-130	
i-Hexanoic Acid	mg/l	2	2.2	111	70-130	
Hexanoic Acid	mg/l	2	1.9	95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 31282 31283 Original: 137710002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
EDonors											
Lactic Acid	mg/l	0.053	2	2.0	2.0	99	99	70-130	0	30	

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QUALITY CONTROL DATA

Workorder: 13780 JACKSON CO / 92222561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 31282 31283 Original: 137710002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Acetic Acid	mg/l	0.037	2	2.0	2.0	99	100	70-130	1	30	
Propionic Acid	mg/l	0	2	2.0	2.0	101	101	70-130	0	30	
Formic Acid	mg/l	0.1	2	2.2	2.0	107	96	70-130	11	30	
Butyric Acid	mg/l	0	2	2.1	2.0	107	99	70-130	7.8	30	
Pyruvic Acid	mg/l	0	2	2.0	1.9	99	95	70-130	4.1	30	
i-Pentanoic Acid	mg/l	0	2	1.9	1.9	96	95	70-130	1	30	
Pentanoic Acid	mg/l	0	2	1.9	2.0	97	99	70-130	2	30	
i-Hexanoic Acid	mg/l	0	2	2.2	2.2	109	108	70-130	0.92	30	
Hexanoic Acid	mg/l	0	2	1.9	2.0	96	98	70-130	2.1	30	

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QUALITY CONTROL DATA

Workorder: 13780 JACKSON CO / 92222561

QC Batch: DISG/4144 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 137800005

METHOD BLANK: 31323

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Hydrogen	nM	0.13U	0.13	

LABORATORY CONTROL SAMPLE & LCSD: 31326 31329

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Hydrogen	nM	24	22	22	91	88	80-120	3.4	20	

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QUALITY CONTROL DATA

Workorder: 13780 JACKSON CO / 92222561

QC Batch: DISG/4151 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 137800001, 137800002, 137800003, 137800004

METHOD BLANK: 31372

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Carbon Dioxide	mg/l	0.36U	0.36	

LABORATORY CONTROL SAMPLE & LCSD: 31374 31376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Carbon Dioxide	mg/l	120	120	120	103	103	80-120	0	20	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 13780 JACKSON CO / 92222561

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
137800001	MW-01			AM23G	EDON/2305
137800002	MW-02			AM23G	EDON/2305
137800003	MW-05R			AM23G	EDON/2305
137800004	MW-07			AM23G	EDON/2305
137800005	MW-07			AM20GAX	DISG/4144
137800001	MW-01			AM20GAX	DISG/4151
137800002	MW-02			AM20GAX	DISG/4151
137800003	MW-05R			AM20GAX	DISG/4151
137800004	MW-07			AM20GAX	DISG/4151

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Chain of Custody

13780

Pace Analytical®
www.pacelabs.com

Workorder: 92222561 **Workorder Name:** Jackson Co LF GW October 2014 **Results Requested** 11/6/2014

Report / Invoice To

Lorri Patton
Pace Analytical Asheville
2225 Riverside Dr.
Asheville, NC 28804
Phone (828)254-7176
Email: lorri.patton@pacelabs.com

Subcontract To

Microseeps

P.O. LP102314

Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Carbon Dioxide	Low Level Volatile Fatty Acids	Hydrogen	LAB USE ONLY
1	~~MW-03~~	~~10/22/2014 12:33~~	~~92222561001~~	~~Water~~					
2	~~MW-04~~	~~10/22/2014 16:07~~	~~92222561002~~	~~Water~~					
3	~~MW-06~~	~~10/22/2014 10:29~~	~~92222561003~~	~~Water~~					
4	MW-01	10/23/2014 12:45	92222561007	Water	4	X	X		
5	MW-02	10/23/2014 10:30	92222561008	Water	4	X	X		
6	MW-05R	10/23/2014 09:45	92222561009	Water	4	X	X		
7	MW-07	10/23/2014 15:08	92222561010	Water	5	X	X	X	

Transfers	Released By	Date/Time	Received By	Date/Time
1			LOOR PACE	10.27.14 0900
2				
3				

Comments

App II LF Needs J Flags & MDLs.

Cooler Temperature on Receipt 2 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

Revised

Chain of Custody

13780

Pace Analytical®
www.pacelabs.com

Workorder: 92222561 **Workorder Name:** Jackson Co LF GW October 2014 **Results Requested** 11/6/2014

Report / Invoice To

Lorri Patton
Pace Analytical Asheville
2225 Riverside Dr.
Asheville, NC 28804
Phone (828)254-7176
Email: lorri.patton@pacelabs.com

Subcontract To

Microseeps

P.O. LP102314

Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Carbon Dioxide	Low Level Volatile Fatty Acids	Hydrogen	LAB USE ONLY
1	[redacted]	[redacted]	[redacted]	Water					
2	[redacted]	[redacted]	[redacted]	Water					
3	[redacted]	[redacted]	[redacted]	Water					
4	MW-01	10/23/2014 12:45	92222561007	Water	4	X	X		
5	MW-02	10/23/2014 10:30	92222561008	Water	4	X	X		
6	MW-05R	10/23/2014 09:45	92222561009	Water	4	X	X		
7	MW-07	10/23/2014 15:08	92222561010	Water	5	X	X	X	

Transfers	Released By	Date/Time	Received By	Date/Time
1	Lorri Patton	10/26/14 1700	[illegible] PCTS	10.27.14 0900
2				
3				

Comments

App II LF Needs J Flags & MDLs.

Cooler Temperature on Receipt 2 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

NON-CONFORMANCE FORM

Microseeps Project Number: 13780

Date: 10.27.14 Time of Receipt: 0900 Receiver: LY

Client: Pace - H

REASON FOR NON-CONFORMANCE:

COC was not relinquished by Client

ACTION TAKEN:

Client name: Lori Patton Date: 10/27/14 Time: email

Relinquished COC is attached.

Customer Service Initials: RR Date: 10/28/14

Cooler Receipt Form

Client Name: Pace Project: Jackson Co. / 92222561 Lab Work Order: 13780

A. Shipping/Container Information (circle appropriate response)

Courier: (FedEx) UPS USPS Client Other:_____ Air bill Present: (Yes) No

Tracking Number: 7716 1899 7707

Custody Seal on Cooler/Box Present: Yes (No) Seals Intact: ~~Yes~~ No LY 10.27.14

Cooler/Box Packing Material: (Bubble Wrap) Absorbent Foam Other:_____

Type of Ice: (Wet) Blue None Ice Intact: (Yes) Melted

Cooler Temperature: 2°C Radiation Screened: Yes (No) Chain of Custody Present: (Yes) No

Comments:_____

B. Laboratory Assignment/Log-in (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformanc
Chain of Custody properly filled out	✓			
Chain of Custody relinquished		✓		
Sampler Name & Signature on COC		✓		
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	If yes, see pH form.
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments:_____

Cooler contents examined/received by : LY Date: 10.27.14

Project Manager Review : RL Date: 10/27/14

APPENDIX C

Environmental Monitoring Reporting Form
and
Electronic Submittal of Environmental Monitoring Data
5002Oct2014 (electronic submittal only)

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Altamont Environmental, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Brian Gant Phone: 828-281-3350

E-mail: Bgant@altamontenvironmental.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Jackson County Municipal Solid Waste Landfill	US Highway 441 Dillsboro, North Carolina 28725	50-02	.1600	October 22 and 23, 2014

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☒ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☒ Corrective action data (specify) Natural Attenuation Parameters
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Robert W. Hastings, P.G. Project Geologist 828-281-3350

Facility Representative Name (Print) Title (Area Code) Telephone Number

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1906 GEOLOGIST Robert W. Hastings

2/20/15

Signature Date

231 Haywood Street Asheville, North Carolina 28805

Facility Representative Address

C-2185

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009