Phase II Environmental Site Assessment Report

For

Power District, Parcel 4
400 SE 5th Avenue
Gainesville, Alachua County, Florida

Prepared for

Gainesville Community Redevelopment Agency
802 NW 5th Avenue, Suite 200
Gainesville, Florida 32601

Prepared by

Professional Service Industries, Inc.
1748 33rd Street
Orlando, Florida 32839

PSI Project Number: 06632483

July 9, 2015

Information To Build On
Engineering • Consulting • Testing

July 9, 2015

Ms. Suzanne Wynn
Project Manager
Gainesville Community Redevelopment Agency
802 NW 5th Avenue, Suite 200
Gainesville, Florida 32601

Re: Phase II Environmental Site Assessment Report
Power District, Parcel 4
400 SE 5th Avenue
Gainesville, Alachua County, Florida

PSI Project No. 06632483

Dear Ms. Wynn:

Pursuant to your request, Professional Service Industries, Inc. (PSI) has performed Phase II Environmental Site Assessment (ESA) activities at the above-referenced property. One paper copy and one electronic copy of the Phase II ESA Report have been prepared for your use.

Thank you for choosing PSI as your consultant for this project. If you have any questions regarding the information contained herein, or if we can be of additional service, please contact the undersigned at (407) 304-5560.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Andy Acosta, M.S., P.G.
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JLH/ALA/ACG;ala
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1 INTRODUCTION

Professional Service Industries (PSI) has conducted Phase II Environmental Site Assessment (ESA) activities at the subject property located at 400 SE 5th Avenue in Gainesville, Alachua County, Florida. A United States Geological Survey (USGS) vicinity map is provided as Figure 1. A site map is provided as Figure 2.

1.1 Authorization

Authorization to perform the Phase II ESA activities was given by the approval of PSI's April 13, 2015 proposal [PSI Proposal No. 0663-147229 (revised)] between Gainesville Community Redevelopment Agency (GCRA) and PSI.

1.2 Site Description

Based on information obtained from the Alachua County Property Appraiser's website, the subject property is generally situated in the southern portion of Parcel ID# 12124-000-000.

Based on information reviewed, the subject property operates as the City of Gainesville Fleet Maintenance facility, which maintains three underground storage tanks (USTs) containing unleaded gasoline and diesel fuel. The facility also maintains five aboveground storage tanks (ASTs) containing fuel oil, waste oil, and a miscellaneous petroleum-based product. The facility formerly maintained ten USTs of various sizes that contained kerosene, leaded gasoline, unleaded gasoline, vehicular diesel, and unknown product, as well as one fuel oil AST that were formerly removed from the site.

A petroleum product discharge was detected at the property in February 1987 during routine UST monitoring activities. Soil and groundwater assessment activities have been performed in the vicinity of the identified impacts under a State of Florida cleanup program. However, due to recent changes in the state funded programs, the site petroleum impacts are currently being assessed through the Low Scored Site Initiative (LSSI) program using state funding.

Based on information provided by the client, the GCRA is evaluating the subject property for potential redevelopment. The Gainesville CRA contracted Environmental Consulting & Technology, Inc. (ECT) to prepare a Phase I ESA report for the subject property. ETC's October 2014 report indicated that the facility generally consists of one warehouse structure for fleet maintenance (Main Maintenance Building) located in the south-central portion of the subject property, a storage building located to the east of the Main Maintenance Building, and a car washing area. The car washing area was located to the north of the storage building and consisted of an elevated pressure washing area, a drive-thru car wash, and an enclosed concrete block water treatment area. A secondary containment structure was situated north of the water treatment room.

The subject property lies within Section 4, Township 10 South, Range 20 East, as identified on the "GAINESVILLE EAST, FL." USGS 7.5-minute Topographic (Topo) quadrangle map.

According to ECT's 2014 report, the existing use of the adjoining properties include: SE 4th Avenue, followed by residential homes to the north, land owned by Gainesville Regional Utilities to the east (former Field Services and Wastewater Buildings); SE 5th Avenue, followed by (GRU) John Kelley Power Generation Plant, to the south; and the GRU administration office building to the west.

1.3 Project Background, Purpose, and Scope

PSI prepared the scope of services presented in this Phase II ESA based on ECT's October 2014 Phase I ESA of the subject property and the client's requests. ECT's Phase I ESA report identified the following recognized environmental conditions (RECs) at the site. Please note that at the request of the client, the UST(s) and soil and groundwater impacts associated with the historic on-site petroleum discharge were not included in PSI's activities, since they are currently being addressed through the LSSI program.

ON-SITE CONDITIONS

- The subject property was listed as a Leaking Underground Storage Tank (LUST) facility, with a reported historic petroleum discharge that impacted site soil and groundwater. Additional assessment and remediation-related documents are available on the Florida Department of Environmental Protection's (FDEP's) online database, although some historic documents related to the environmental activities at the site were not available. As noted above, the tasks that ECT have been authorized by the FDEP to perform regarding the historic petroleum discharge were not included in PSI's scope of services.

- ECT also listed previous site uses of various site structures as evidence of RECs, including automotive repair, historical paint shop, car wash area, and an underground sediment collection sump.

OFF-SITE CONDITIONS

- No off-site RECs were identified in ECT's October 2014 Phase I ESA report.

2 ASSESSMENT ACTIVITIES

Field investigation and sampling activities were conducted on June 3-4, 2015 by PSI personnel. All soil cuttings generated during the performance of the soil borings were returned to their respective boreholes and the surfaces were restored to original site conditions. Wet soil cuttings and groundwater generated during the assessment activities were drummed and stored on-site pending laboratory analytical results. The soil boring and groundwater sampling locations are provided on Figure 3.

2.1 Soil Assessment Activities

On June 3, 2015, utilizing hand bucket auger and Geoprobe® methodologies, PSI personnel performed ten soil borings (SB-1 through SB-10) at the subject property. In order to determine the potential for impact from the former fleet maintenance activities, seven soil borings (SB-1 through SB-7) were performed in or adjoining to the exterior of the main maintenance building in the vicinity of stained areas proximate concrete slab joints, and/or in the immediate vicinity of bay doors, where it was common for washwater to flow from maintenance facilities. Soil Borings SB-8 and SB-9 were performed in the southern portion of the southeast storage building and adjoining to the north of the bay door, respectively. Soil Boring SB-10 was performed in the vicinity of the sediment collection sump.

To determine the presence of organic vapor concentrations in the on-site soil, samples were collected from approximately 1 foot below land surface (BLS) and at approximate 2-foot intervals thereafter to a maximum depth of 10 feet BLS. Soil samples were collected from each of the soil boring locations for field screening using a Foxboro TVA-1000 organic vapor analyzer equipped with a flame ionization detector (OVA-FID) following guidelines for headspace analysis. Glass sample jars were partially-filled with soil, covered with aluminum foil, sealed, and set aside to allow the volatiles to equilibrate throughout the headspace. The organic vapor response for each soil sample was determined by inserting the probe of the OVA-FID into the headspace of the sample container and recording the highest sustained reading. Carbon filtered readings were also obtained with the OVA-FID to account for the presence of naturally-occurring methane in the on-site soil. The resultant total non-methane hydrocarbon level is calculated by subtracting the carbon-filtered response from the total response.

<u>Former Main Maintenance Building</u>

Based on field observations and OVA-FID responses, PSI collected Soil Sample SB-1@1' from Soil Boring SB-1 at approximately 1 foot BLS, and Soil Sample SB-6@1' from Soil Boring SB-6@1' at approximately 1 foot BLS in the main building. The soil samples were submitted for laboratory analysis by U.S. Environmental Protection Agency (EPA) Method 8260 for volatile organic aromatics and volatile organic halogens (VOA/VOHs), EPA Method 8270 for polynuclear aromatic hydrocarbons (PAHs), eight Resource Conservation and Recovery Act (RCRA) metals (arsenic, barium, cadmium, chromium, lead, selenium, sliver, and mercury), and laboratory analytical method Florida Petroleum Residual Organics (FL-PRO) for total petroleum hydrocarbons (TPH).

Former Storage Building

In order to determine the potential for impacts in this area of the subject property, PSI collected Soil Sample SB-9@1' from Soil Boring SB-9 at approximately 1 foot BLS adjoining to the north of the bay door. The soil sample was submitted for laboratory analysis by U.S. EPA Method 8260 for VOA/VOHs, EPA Method 8270 for PAHs, eight RCRA metals, and laboratory method FL-PRO for TPH.

Sediment Collection Sump

Based on the potential for the sediment in the collection sump to contain various petroleum- and/or solvent-related test parameters and metals from on-site vehicle washing activities, PSI collected a disposal characterization sample (Disposal-1) from the sump. Disposal-1 was submitted for laboratory analysis by EPA Method 8260 for volatile organic compounds (VOCs) and the Toxicity Characteristic Leaching Procedure (TCLP) for TCLP 8 RCRA metals.

The location of the sample locations are provided on Figure 3. A copy of the Field Instrument Calibration Records and Soil OVA Sample Data Sheets are provided in Appendix A.

2.2 Groundwater Assessment Activities

PSI personnel encountered varying shades of brown and tan fine grained sand to a depth of approximately 10 feet BLS. The groundwater table was encountered between 7.6 and 9.6 feet BLS.

Based on the field screening results and the presence of existing monitoring wells previously installed in the vicinity of the main maintenance building, Temporary Monitoring Well TMW-1 was installed in Soil Boring SB-2 in a potential former chemical storage area in the approximate center of the building. Temporary Monitoring Well TMW-2 was installed in Soil Boring SB-9, located adjoining to the north of the maintenance bay door on the north side of the storage building. In order to obtain information regarding the potential for impact in the vicinity of the sediment collection sump, Temporary Monitoring Well TMW-3 was installed in Soil Boring SB-10, on the south side of the sediment collection sump.

2.3 Quality Assurance/Quality Control Measures

All field decontamination and sampling procedures were performed in general accordance with the FDEP's Standard Operating Procedures (SOPs) for field activities. All downhole equipment utilized during the field activities was decontaminated prior to and between each soil boring and groundwater sampling location. Decontamination of said equipment was accomplished by washing the equipment with a non-phosphate detergent and distilled water solution followed by a distilled water rinse. Single-use disposable gloves and disposable tubing were used for each temporary monitoring well in an attempt to eliminate cross-contamination between sampling locations.

Laboratory analytical procedures were performed by Environmental Conservation Laboratories, Inc. (ENCO), a National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory in Orlando, Florida (Florida Department of Health [FDOH] # E83182) and in Jacksonville, Florida (FDOH #E82277).

3 DATA ANALYSIS AND INTERPRETATION

Analysis and interpretation of the data generated during the field investigation and laboratory analyses is presented in the following sections. Where appropriate, the results are compared with regulatory limits for the chemicals identified in the applicable media. A copy of the laboratory analytical report and chain-of-custody documentation is provided in Appendix B.

3.1 Physical Characteristics of the Assessment Area

The USGS "Gainesville East, FL" map, dated 1994 showing the area where the property is located was reviewed. According to the contour lines on the topographic map, the property is located at approximately 150 feet above the National Geodetic Vertical Datum (NGVD) of 1929. The contour lines in the vicinity of the property indicate the area slopes to the south-southeast. Based on information obtained from reports previously prepared for the others for the subject property, the direction of surficial groundwater flow is generally to the south-southeast. Based on the reviewed information, a portion of Sweetwater Branch was formerly located approximately 300 feet to the east of the subject property.

Review of the United States Department of Agriculture (USDA) Soil Conservation Service (SCS) "Soil Survey of Alachua County, Florida" the soil identified on the subject property is generally classified as Urban land-Millhopper complex, 0 to 2 percent slopes. This complex consists of Urban land intermixed with nearly level areas of Millhopper soils. This complex is found in urbanized Gainesville. Approximately 50 to 85 percent of each delineation is Urban land. This Urban land consists of areas covered by urban facilities, such as shopping centers, parking lots, industrial buildings, houses, streets, sidewalks, airports and related urban structures. The Urban land of this map unit is generally developed on Millhopper sand or fine sand.

During the performance of the June 2015 field activities, PSI observed the soil at the site to be varying shades of brown and tan fine grained sand to a depth of approximately 10 feet BLS. Depth to surficial groundwater was encountered at approximate depths of 7.6 to 9.6 feet BLS.

3.2 Soil Assessment Results

<u>Main Maintenance Building</u>

Laboratory analytical results for Soil Samples SB-1@1' and SB-6@1' indicated the presence of petroleum-related test parameters, tetrachloroethene (PCE), and/or metals at concentrations above their respective laboratory method detection limits (LMDLs). Of the test parameters detected, PCE was detected at a concentration of 0.036 milligrams per kilogram (mg/kg), which is above its Chapter 62-777, Florida Administrative Code (FAC) Leachability Soil Cleanup Target Level (LSCTL); however, below its Direct Exposure - Residential (DE-I) SCTL and Direct Exposure – Commercial/Industrial (DE-II) SCTL. No additional test parameters were detected at concentrations above their respective Chapter 62-777, FAC SCTLs. Please note, however, that lead was detected at 239 mg/kg in Soil Sample SB-6@1', which exceeds the industry standard trigger level of 100 mg/kg, used to determine if a test parameter has the potential to leach into the groundwater.

Based on the initial soil laboratory analytical results, Soil Sample SB-6@1' was submitted for laboratory analysis by the Synthetic Precipitate Leaching Procedure (SPLP) for lead. Lead was detected at a concentration of 8.84 micrograms per liter (µg/L), which is below its Chapter 62-777, FAC Groundwater

Cleanup Target Level (GCTL) of 15 µg/L. This indicates that the lead concentration detected in the soil sample is not likely to leach into the groundwater at a concentration that would exceed the GCTL.

Storage Building

Based on the laboratory analytical results for Soil Sample SB-9@1', TPH and various metals were detected at concentrations above their respective LMDLs; however, below their respective Chapter 62-777, FAC SCTLs.

Please note that methylene chloride, a common laboratory contaminant, was also detected in each of the three soil samples collected; however, at concentrations below its Chapter 62-777, FAC SCTLs.

Sediment Collection Sump

PSI collected a sediment sample from the collection sump in order to determine the proper off-site disposal methods. Based on the laboratory analytical results, the sediment may be disposed as non-hazardous waste.

Soil analytical data (detected parameters only) is summarized in Tables 1 and 1A. A copy of the laboratory analytical report and chain-of-custody documentation is provided in Appendix B.

3.3 Groundwater Assessment Results

Main Maintenance Building

Laboratory analytical results for the groundwater sample collected from Temporary Monitoring Well TMW-1 indicated the presence of total barium and PCE at concentrations above their respective LMDLs. PCE was detected at 5.3 µg/L, which exceeds its Chapter 62-777, FAC GCTL of 3 µg/L; however, is below its Chapter 62-777, Natural Attenuation Default Concentration (NADC) of 300 µg/L.

Storage Building

Total barium and total cadmium were detected in the groundwater sample collected from Temporary Monitoring Well TMW-2 at concentrations above their respective LMDLs; however, below the Chapter 62-777, FAC GCTLs.

Sediment Collection Sump

Total barium and total selenium were detected in the groundwater sample collected from Temporary Monitoring Well TMW-3 at concentrations above their respective LMDL; however, below the Chapter 62-777, FAC GCTLs.

4 CONCLUSIONS AND RECOMMENDATIONS

PSI has performed Phase II ESA activities at the subject property in accordance with PSI Proposal No. 0663-147229 (revised). Based on the results of the Phase II ESA activities, the following conclusions and recommendations have been developed:

4.1 Conclusions

- Based on previous assessment activities performed by others at the subject property associated with the historic documented discharge of petroleum products, the direction of surficial groundwater flow was generally documented to be toward the south-southeast.

- Petroleum-related test parameters, PCE, and various metals were detected in Soil Sample SB-1@1' collected in the main maintenance building at concentrations above their respective LMDLs. PCE was detected above its Chapter 62-777, FAC LSCTL.

- Based on the laboratory analytical results for Soil Sample SB-6@1', which was collected in the northeast portion of the Main Maintenance Building, lead was detected at a concentration of 239 mg/kg, which is above the industry standard trigger of 100 mg/kg used to determine if a test parameter has the potential to leach into the groundwater table. However, based on the SPLP lead analysis performed on Soil Sample SB-6@1', lead was not detected above its Chapter 62-777, FAC GCTL, indicating the soil concentration is not likely to impact the groundwater.

- Based on the laboratory analytical results for Soil Sample SB-9@1', no test parameters were detected at concentrations above their respective Chapter 62-777, FAC SCTLs.

- Based on the laboratory analytical results for Disposal-1, the contents of the sediment collection sump can be disposed as non-hazardous waste.

- Based on the laboratory analytical results for the groundwater sample collected from Temporary Monitoring Well TMW-1, PCE was detected at a concentration above its Chapter 62-777, FAC GCTL; however, below its Chapter 62-777, FAC NADC. Please note that Temporary Monitoring Well TMW-1 was installed approximately 20 feet east-southeast from Soil Sample SB-1@1', which also indicated the presence of PCE in the soil at a concentration above its LSCTL.

- Based on the laboratory analytical results for the groundwater sample collected from Temporary Monitoring Well TMW-2, no test parameters were detected at concentrations above their respective Chapter 62-777, FAC criteria.

- Based on the laboratory analytical results for the groundwater sample collected from Temporary Monitoring Well TMW-3, no test parameters were detected at concentrations above their respective Chapter 62-777, FAC SCTLs.

4.2 Recommendations

Based on the conclusions presented above, PSI recommends the following:

- If the client wants to determine the extent of solvent-impacted (PCE) soil and groundwater at the site, additional assessment activities would be required. Once the site use/redevelopment plans are known, the client may also want to have a soil vapor assessment performed to evaluate the potential for vapor intrusion into site buildings.

- The sediment and water in the sediment collection sump can be disposed off-site as non-hazardous waste.

5 REPRESENTATIONS

5.1 Warranty

The field observations, measurements, and research reported herein are considered sufficient in detail and scope to form a reasonable basis for a Phase II ESA of this property. The assessment, conclusions, and recommendations presented herein are based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodologies and only for the site described in this report.

The Phase II ESA has been developed to provide the client with information regarding the degree of impact (not delineation) relating to the subject property. It is necessarily limited to the conditions observed and to the information available at the time of the work.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. The description, type, and composition of what are commonly referred to as "hazardous materials or conditions" can also change over time. PSI does not accept responsibility for changes in the state of the art, nor for changes in the scope of various lists of hazardous materials or conditions. PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

5.2 Use By Third Parties

This report was prepared pursuant to the contract PSI has with Gainesville CRA. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than Gainesville CRA, for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to PSI's contract with Gainesville CRA. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

TABLES

TABLE 1: **SOIL ANALYTICAL DATA SUMMARY**
(Detected Parameters Only)

SITE NAME: **Power District, Parcel 4**
LOCATION: **400 SE 5th Avenue**
CITY/COUNTY/STATE: **Gainesville, Alachua County, Florida**
PSI PROJECT NO.: **06632483**

				Detected Parameters							
Sample ID	**Sample Date**	**Depth (feet)**	**Areas of Concern**	**Methylene Chloride (mg/kg)**	**Tetrachloroethene (mg/kg)**	**Acenaphthylene (mg/kg)**	**Anthracene (mg/kg)**	**BaP TEQ (mg/kg)**	**Benzo(a)anthracene (mg/kg)**	**Benzo(a)pyrene (mg/kg)**	**Benzo(b)fluoranthene (mg/kg)**
SB-1 @ 1'	6/3/2015	1	Main Bldg.	0.0026	**0.036**	0.019 U	0.015 U	NC	0.015 U	0.016 U	0.018 U
SB-6 @ 1'	6/3/2015	1	Main Bldg.	0.0015 I	0.0037	0.075	0.026 I	0.09	0.062	0.064	0.081
SB-9 @ 1'	6/3/2015	1	Storage Bldg.	0.0025	0.0005 U	0.020 U	0.016 U	NC	0.016 U	0.017 U	0.019 U
Chapter 62-777, FAC DE-I SCTLs				**17**	**8.8**	**1,800**	**21,000**	**0.1**	**#**	**0.1**	**#**
Chapter 62-777, FAC DE-II SCTLs				**26**	**18**	**20,000**	**300,000**	**0.7**	**#**	**0.7**	**#**
Chapter 62-777, FAC LSCTLs				**0.02**	**0.03**	**27**	**2,500**	**---**	**0.8**	**8**	**2.4**
Chapter 62-777, FAC GCTLs				**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

				Detected Parameters							
Sample ID	**Sample Date**	**Depth (feet)**	**Areas of Concern**	**Benzo(g,h,i)perylene (mg/kg)**	**Benzo(k)fluoranthene (mg/kg)**	**Chrysene (mg/kg)**	**Fluoranthene (mg/kg)**	**Indeno(1,2,3-cd)pyrene (mg/kg)**	**Phenanthrene (mg/kg)**	**Pyrene (mg/kg)**	**TPH (mg/kg)**
SB-1 @ 1'	6/3/2015	1	Main Bldg.	0.016 U	0.020 U	0.013 U	0.018 U	0.016 U	0.016 U	0.017 U	11
SB-6 @ 1'	6/3/2015	1	Main Bldg.	0.077	0.036 I	0.064	0.058	0.053	0.019 I	0.068	130
SB-9 @ 1'	6/3/2015	1	Storage Bldg.	0.017 U	0.021 U	0.013 U	0.019 U	0.017 U	0.017 U	0.018 U	96
Chapter 62-777, FAC DE-I SCTLs				**2,500**	**#**	**#**	**3,200**	**#**	**2,200**	**2,400**	**460**
Chapter 62-777, FAC DE-II SCTLs				**52,000**	**#**	**#**	**59,000**	**#**	**36,000**	**45,000**	**2,700**
Chapter 62-777, FAC LSCTLs				**32,000**	**24**	**77**	**1,200**	**6.6**	**250**	**880**	**340**
Chapter 62-777, FAC GCTLs				**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

				Detected Parameters							
Sample ID	**Sample Date**	**Depth (feet)**	**Areas of Concern**	**Arsenic (mg/kg)**	**Barium (mg/kg)**	**Cadmium (mg/kg)**	**Chromium (mg/kg)**	**Lead (mg/kg)**	**SPLP Lead (ug/L)**	**Silver (mg/kg)**	**Mercury (mg/kg)**
SB-1 @ 1'	6/3/2015	1	Main Bldg.	0.508 U	33.2	0.0307 I	3.85	25.8	NS	0.118 I	0.181
SB-6 @ 1'	6/3/2015	1	Main Bldg.	0.960	30.0	0.694	9.49	239	8.84 (I)	0.0691 U	0.0458
SB-9 @ 1'	6/3/2015	1	Storage Bldg.	0.481 U	10.4	0.00715 U	3.01	4.28	NS	0.0548 U	0.0313
Chapter 62-777, FAC DE-I SCTLs				**2.1**	**120**	**82**	**210**	**400**	**---**	**410**	**3**
Chapter 62-777, FAC DE-II SCTLs				**12**	**130,000**	**1,700**	**470**	**1,400**	**---**	**8,200**	**17**
Chapter 62-777, FAC LSCTLs				*******	**1,600**	**7.5**	**38**	*******	**---**	**17**	**2.1**
Chapter 62-777, FAC GCTLs				**---**	**---**	**---**	**---**	**---**	**15**	**---**	**---**

TABLE 1: **SOIL ANALYTICAL DATA SUMMARY (Detected Parameters Only)**

SITE NAME: **Power District, Parcel 4**
LOCATION: **400 SE 5th Avenue**
CITY/COUNTY/STATE: **Gainesville, Alachua County, Florida**
PSI PROJECT NO.: **06632483**

NOTES:

1. mg/kg = Milligrams per kilogram or parts per million (ppm).
2. BaP TEQ = Benzo(a)pyrene Toxicity Equivalence.
3. U = Analyte not detected above its laboratory method detection limit (LMDL).
4. NC = Not calculated, as no associated polynuclear aromatic hydrocarbons (PAHs) were detcted.
5. I = Results between theLMDL and practical quantitation limit (PQL).
6. FAC = Florida Administrative Code.
7. DE-I SCTLs = Direct Exposure-Residential Soil Cleanup Target Levels.
8. GCTLs = Groundwater Cleanup Target Levels.
9. # = Site concentrations for carcinogenic PAHs must be converted to BaP TEQ before comparison with the appropriate direct exposure SCTL for benzo(a)pyrene using the approach described in the February 2005 'Dinal Technical Report: Development of Cleanup Target Levles (CTLs) for Chapter 62-777, F.A.C.'
10. DE-II SCTLs = Direct Exposure-Commercial/Industrial SCTLs.
11. LSCTLs = Leachability SCTLs.
12. TPH = Total Petroleum Hydrocarbons.
13. *** = Leachability values may be derived using the synthetic precipitate leaching procedure (SPLP) test to calculate site specific SCTLs or may be determined using toxicity characteristic leaching procedure (TCLP) in the event oily wastes are present.
14. NS = Not sampled.
15. --- = Not applicable.
16. mg/kg = miligrams per kilogram

Bolded values exceed their respective Chapter 62-777, FAC criteria.

Benzo(a)pyrene Conversion Table 1A

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name:	Power District, Parcel 4
Location:	Gainesville, Florida
Facility/Site ID No.:	018518120
Soil Sample No.	SB-6@1'
Sample Date	6/3/2015
Location:	Main Building
Depth (ft):	1

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T"
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.064	1.0	0.064
Benzo(a)anthracene	0.062	0.1	0.006
Benzo(b)fluoranthene	0.081	0.1	0.008
Benzo(k)fluoranthene	0.036	0.01	0.0004
Chrysene	0.064	0.001	0.000
Dibenz(a,h)anthracene	0.0085	1.0	0.009
Indeno(1,2,3-cd)pyrene	0.053	0.1	0.005

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.09

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.
The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

TABLE 2: **GROUNDWATER ANALYTICAL DATA SUMMARY (Detected Parameters Only)**

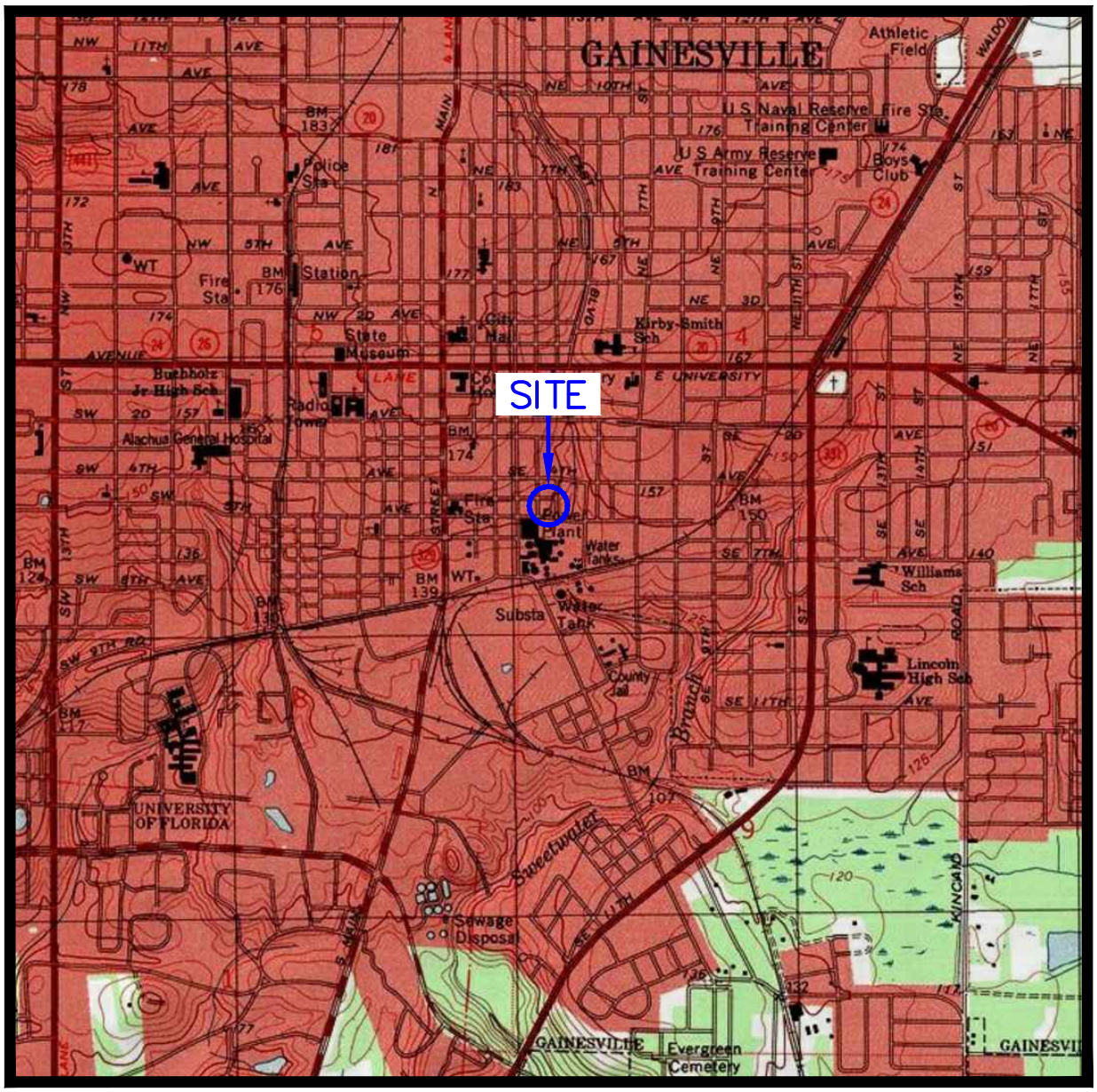
SITE NAME: Power District, Parcel 4
LOCATION: 400 SE 5th Avenue
CITY/COUNTY/STATE: Gainesville, Alachua County, Florida
PSI PROJECT NO.: 06632483

			Detected Parameters			
Sample ID	**Sample Date**	**Area of Concern**	**Total Barium (ug/L)**	**Total Cadmium (ug/L)**	**Total Selenium (ug/L)**	**Tetrachloroethene (ug/L)**
TMW-1	6/4/2015	Main Bldg.	13.4	0.280 U	8.20 U	**5.3**
TMW-2	6/4/2015	Storage Bldg.	12.5	0.298 I	8.20 U	0.76 U
TMW-3	6/4/2015	Car Wash	11.0	0.280 U	8.68 I	0.76 U
Chapter 62-777, FAC GCTLs			**2,000**	**5**	**50**	**3**
Chapter 62-777, FAC NADCs			**20,000**	**50**	**500**	**300**

NOTES:
1. ug/L = Micrograms per liter or parts per billion (ppb).
2. U = Analyte not detected above its laboratory method detection limit (LMDL).
3. I = Results between the LMDL and practical quantitation limit (PQL).
4. FAC = Florida Administrative Code.
5. GCTLs = Groundwater Cleanup Target Levels.
6. NADCs = Natural Attenuation Defult Concentrations.

FIGURES

NORTH



NOTE: THIS MAP TAKEN FROM USGS QUADRANGLE MAP

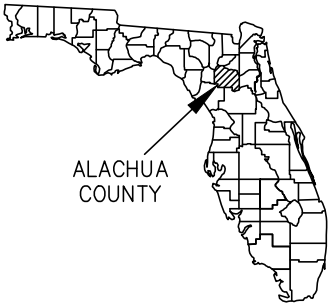
SCALE 1:24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



MAP NAME: "GAINESVILLE EAST, FL"
DATE: 1994
TOWNSHIP: 10 SOUTH
RANGE: 20 EAST
SECTION: 4

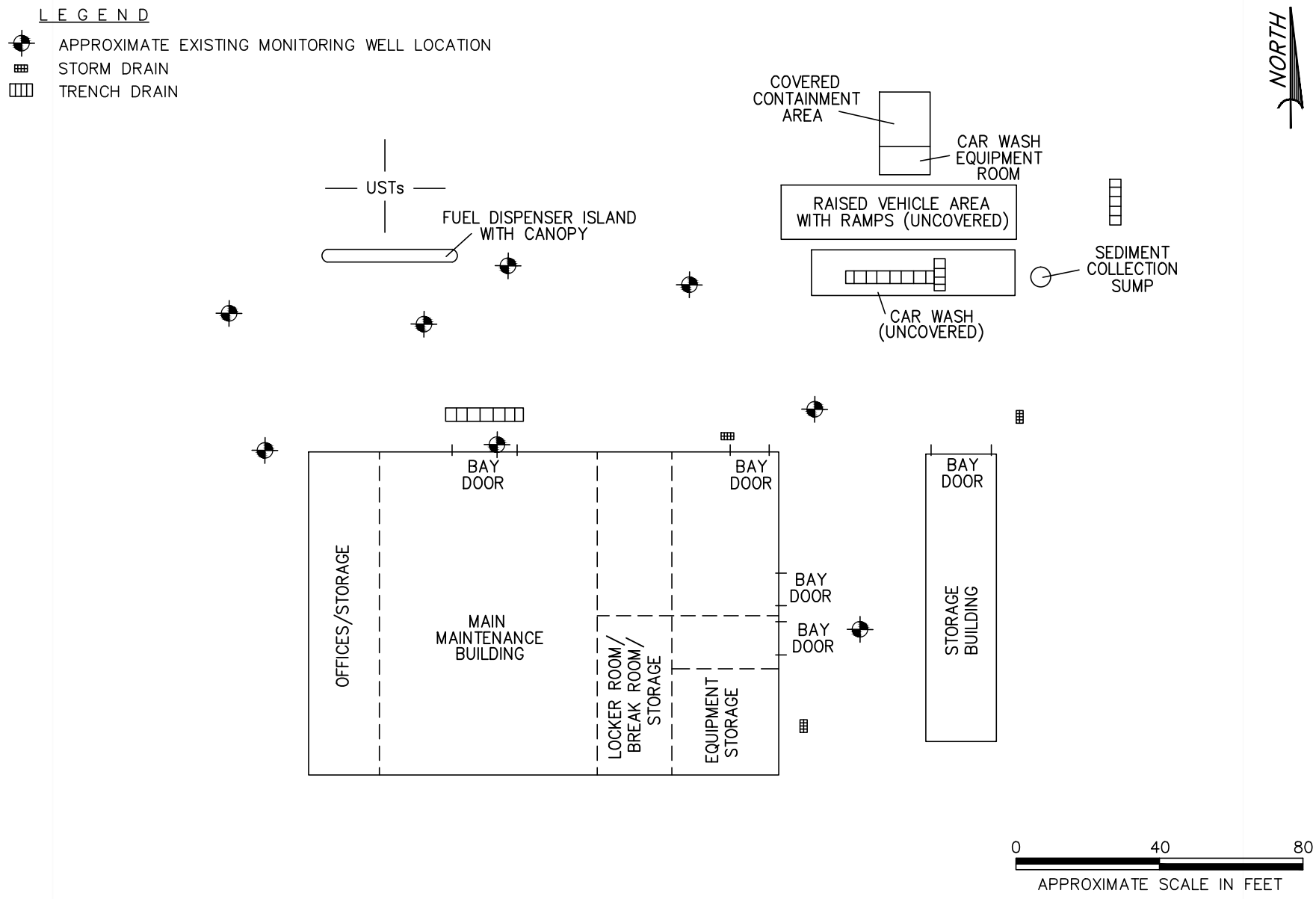
psi Information To Build On
Engineering • Consulting • Testing

USGS VICINITY MAP

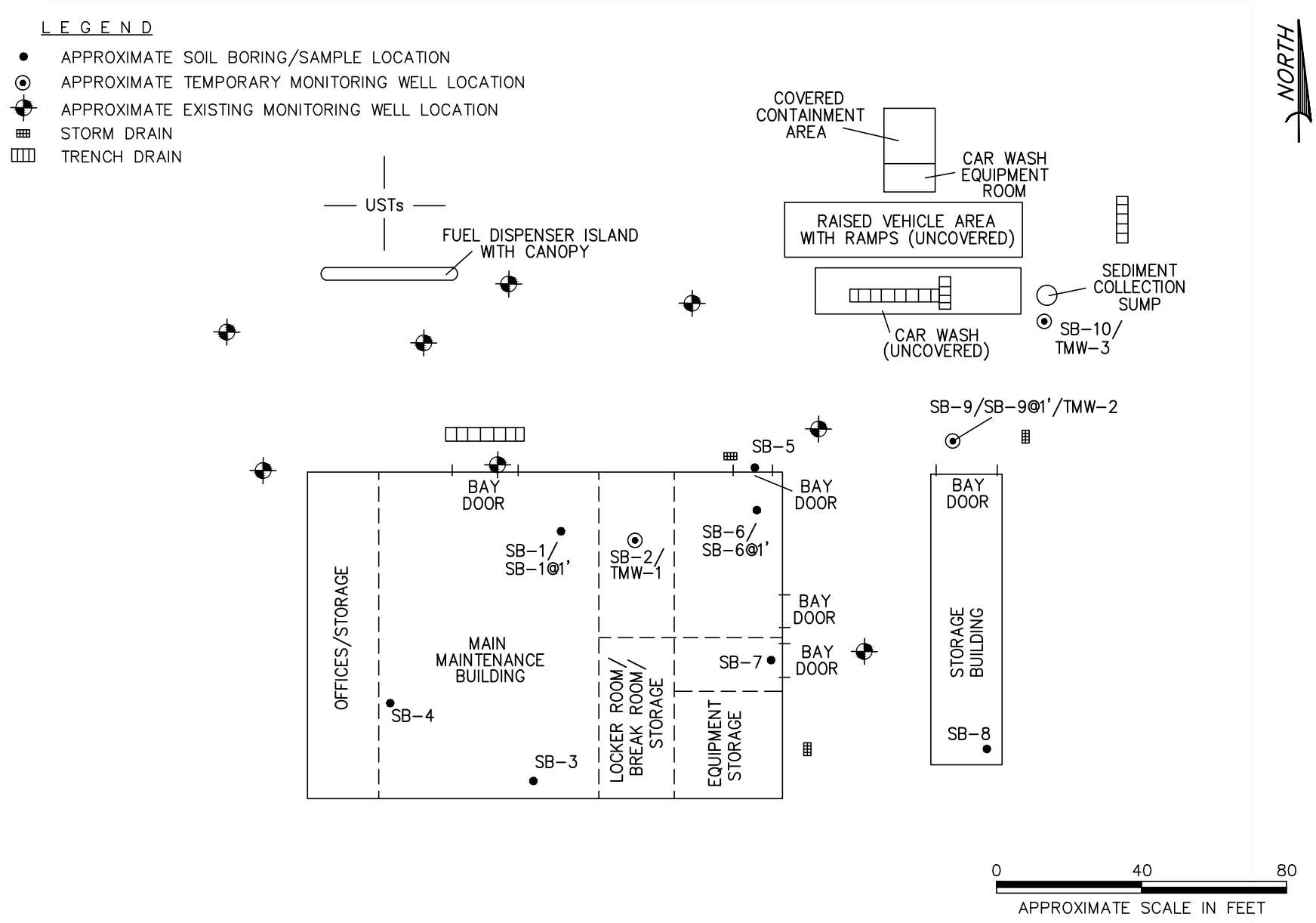
POWER DISTRICT, PARCEL 4
400 SE 5TH AVENUE
GAINESVILLE, ALACHUA COUNTY, FLORIDA

CHKD. BY: ALA	DRAWN BY: SMD	DATE: 6/25/15	SCALE: NOTED	REVISION:	PROJECT NO.: 06632483	FIGURE NO.: 1

6632483 F1.dwg



PROJ. NO. 06632483	psi Information To Build On Engineering • Consulting • Testing 1748 33rd Street Orlando, Florida 32839 (407) 304-5560 (407) 304-5561 fax	SITE MAP POWER DISTRICT, PARCEL 4 400 SE 5TH AVENUE GAINESVILLE, ALACHUA COUNTY, FLORIDA
DRAWN BY SMD		
DATE CREATED 6/25/2015 SCALE: 1 inch = 40 feet		FIGURE 2



PROJ. NO. 06632483	Information To Build On Engineering • Consulting • Testing 1748 33rd Street Orlando, Florida 32839 (407) 304-5560 (407) 304-5561 fax	SAMPLE LOCATION MAP POWER DISTRICT, PARCEL 4 400 SE 5TH AVENUE GAINESVILLE, ALACHUA COUNTY, FLORIDA
DRAWN BY SMD		
DATE CREATED 6/25/2015 SCALE: 1 inch = 40 feet		FIGURE 3

APPENDIX A

Field Data Sheets

Form FD 9000-8: Field Instrument Calibration Records

PSI PROJECT NAME: GCAR-Power District, Parcel 4 PSI PROJECT NO: 06632483

INSTRUMENT (MAKE/MODEL#) TVA 2020 INSTRUMENT # 20201501 04153

PARAMETER(S) (check only one):

- ☐ TEMPERATURE
- ☐ CONDUCTIVITY
- ☐ SALINITY
- ☐ pH
- ☐ ORP
- ☐ TURBIDITY
- ☐ RESIDUAL Cl
- ☐ DO
- ☑ OTHER OVA-FID

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Ambient Lot # N/A Exp N/A
Standard B 95ppm Lot # N/A Exp N/A
Standard C

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
15/6/3	0915	A	Ambient	0.11	N/A	Yes	Cont	DLK
|	0915	B	95ppm	94.6	0.42	Yes	Cont	|
|	1310	A	Ambient ~~2.90~~	2.90	N/A	Yes	Cont	|
|	1310	B	95 ~~93.7~~	93.7	-1.4	Yes	Cont	|

SOIL OVA SAMPLE DATA

DATE: 6/3/15	PROJECT NAME: GCRA-Power District, Parcel 4		SHEET 1 OF 4
			PROJECT NO: 06632483
☑ FID ☐ PID MODEL & SERIAL NO: TVA 2020 II 2020150 16453		CALIBRATION DATE/STANDARD: 6/3/15 / Ambient / 95 ppm	
HEADSPACE CONTAINER: ☑ 16 OZ GLASS ☐ 8 OZ GLASS ☐ 1 JAR ☑ 2 JAR ☐ ZIP-LOC ☐ OTHER			
SAMPLE METHOD: ☑ HAND AUGER ☐ SOLID STEM ☐ SPLIT SPOON ☐ CORER ☑ OTHER MacroCore			
EQUIP DECON: ☐ TAP WATER WASH ☑ DIST/DEION 1 RINSE ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE ☐ TAP WATER FINAL RINSE			
☐ ALCONOX WASH ☑ ~~LUMINOX~~ Liquinox WASH ☐ DIST/DEION 2 RINSE ☐ OTHER SOLVENT ☑ DIST/DEION FINAL RINSE ☑ AIR DRY			

SAMPLE LOCATION	SAMPLE NO./ DEPTH (ft BLS)	FLAME IONIZATION DETECTOR (FID) FID TOTAL (UNFILTERED)	FID METHANE (FILTERED)	HYDROCARBON (TOTAL-METHANE)	PID TOTAL	EVIDENT ODOR OR STAIN	LAB SAMPLE G = Grab C = Composite	LITHOLOGIC DESCRIPTION GROUNDWATER DEPTH REMARKS
~~1~~ SB-1	1	132.0	0	132	N/A	S/Petro	G SB-1@1	Brn FGS
~~3~~	3	13.00	7.00	6.00		None	—	Lt Brn FGS
~~5~~	5	16.80	6.50	10.30		"	—	" "
~~7~~	7	20.50	6.20	14.30		"	—	Dk Brn FGS
~~9~~	9	4.80	—	4.80		"	—	B. " moist
~~10~~	10	4.90	—	4.90		"	—	" " wet
							—	
SB-2	1	21.60	6.10	15.50		"	—	Brn FGS
	3	10.30	6.10	4.20		"	—	" "
	5	9.40	~~9.40~~ BK	9.40		"	—	Lt Brn FGS
	7	~~6.10~~ 4.80	—	4.80		"	—	Dk Brn FGS
	9	~~6.10~~ 4.80	—	4.80		"	—	" " moist
	10	4.90	—	4.90		"	—	" " wet
							—	
SB-3	1	8.00	—	8.00		"	—	Brn FGS
	3	5.60	—	5.60		"	—	" "
	5	4.20	—	4.20		"	—	Lt Brn
	7	3.70	—	3.70		"	—	Dk Brn FGS
	9	3.70	—	3.70		"	—	" " moist
	10	3.80	—	3.80		"	—	" " wet
							—	
							—	

PREPARED BY: DK

1003 BK Grd 10 ppm 1100 BK Grd 3.50

SOIL OVA SAMPLE DATA

SHEET 2 OF 4

DATE: 6/5/15 | PROJECT NAME: GCRA-Power District, Parcel 4 | PROJECT NO: 06632483

☐ FID ☐ PID MODEL & SERIAL NO: | CALIBRATION DATE/STANDARD:

HEADSPACE CONTAINER: ☐ 16 OZ GLASS ☐ 8 OZ GLASS ☐ 1 JAR ☐ 2 JAR ☐ ZIP-LOC ☐ OTHER

SAMPLE METHOD: ☐ HAND AUGER ☐ SOLID STEM ☐ SPLIT SPOON ☐ CORER ☐ OTHER

EQUIP DECON: ☐ TAP WATER WASH ☐ DIST/DEION 1 RINSE ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE ☐ TAP WATER FINAL RINSE
☐ ALCONOX WASH ☐ LUMINOX WASH ☐ DIST/DEION 2 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE ☐ AIR DRY

SAMPLE LOCATION	SAMPLE NO./ DEPTH (ft BLS)	FLAME IONIZATION DETECTOR (FID) FID TOTAL (UNFILTERED)	FID METHANE (FILTERED)	HYDROCARBON (TOTAL-METHANE)	PID TOTAL	EVIDENT ODOR OR STAIN	LAB SAMPLE G = Grab C = Composite	LITHOLOGIC DESCRIPTION GROUNDWATER DEPTH REMARKS
SB-4	1	5.90	—	5.90	N/A	None	—	Brn FGS
	3	4.20	—	4.20		"	—	"
	5	3.60	—	3.60		"	—	Lt Brn FGS
	7	3.50	—	3.50		"	—	DK Brn FGS
	9	3.60	—	3.60		"	—	"
	10	3.60	—	3.60		"	—	"
							—	
SB-5	1	3.50	—	3.50		"	—	Brn FGS
	3	3.30	—	3.30		"	—	Lt Brn FGS
	5	3.30	—	3.30		"	—	"
	7	3.30	—	3.30		"	—	DK Brn FGS
	9	3.30	—	3.30		"	—	"
	10	3.70	—	3.70		"	—	"
							—	
SB-6	1	7.30	—	7.30		"	SB-6@1'G	Brn FGS
	3	4.40	—	4.40		"	—	Lt Brn FGS
	5	5.70	—	5.70		"	—	"
	7	3.80	—	3.80		"	—	DK Brn FGS
	9	3.70	—	3.70		"	—	"
	10	3.60	—	3.60		"	—	"
							—	
							—	

PREPARED BY: DK

50

SOIL OVA SAMPLE DATA

DATE: 6/3/15	PROJECT NAME: GCRA-Power District, Parcel 4	SHEET 3 OF 4
		PROJECT NO: 06632483

☐ FID ☐ PID MODEL & SERIAL NO: | CALIBRATION DATE/STANDARD:

HEADSPACE CONTAINER: ☐ 16 OZ GLASS ☐ 8 OZ GLASS ☐ 1 JAR ☐ 2 JAR ☐ ZIP-LOC ☐ OTHER

SAMPLE METHOD: ☐ HAND AUGER ☐ SOLID STEM ☐ SPLIT SPOON ☐ CORER ☐ OTHER

EQUIP DECON: ☐ TAP WATER WASH ☐ DIST/DEION 1 RINSE ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE ☐ TAP WATER FINAL RINSE
☐ ALCONOX WASH ☐ LUMINOX WASH ☐ DIST/DEION 2 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE ☐ AIR DRY

SAMPLE LOCATION	SAMPLE NO./ DEPTH (ft BLS)	FLAME IONIZATION DETECTOR (FID) FID TOTAL (UNFILTERED)	FID METHANE (FILTERED)	HYDROCARBON (TOTAL-METHANE)	PID TOTAL	EVIDENT ODOR OR STAIN	LAB SAMPLE G = Grab C = Composite	LITHOLOGIC DESCRIPTION GROUNDWATER DEPTH REMARKS
SB-7	1	3.60	—	3.60	N/A	None	—	Brn FGS
	3	3.20	—	3.20		"	—	"
	5	3.20	—	3.20		"	—	
	7	3.30	—	3.30		"	—	DK Brn FGS
	9	3.10	—	3.10		"	—	"
	10	3.00	—	3.00		"	—	"
							—	
SB-8	1	3.00	—	3.00		"	—	Lt Brn FGS
	3	3.10	—	3.10		"	—	Brn FGS
	5	3.00	—	3.00		"	—	"
	7	3.30	—	3.30		"	—	DK Brn Hard Sand
	9	3.10	—	3.10		"	—	Med Brn Hard Sand
	10	3.00	—	3.00		"	—	Gr FGS
							—	
SB-9	1	4.50	—	4.50		"	SB-9 @ 1' G	Brn FGS
	3	3.00	—	3.00		"	—	"
	5	3.20	—	3.20		"	—	Lt Brn FGS
	7	3.00	—	3.00		"	—	DK Brn FGS
	9	3.00	—	3.00		"	—	"
	10	3.00	—	3.00		"	—	"
							—	
							—	

1200 BIL Gnd 3.00

PREPARED BY: DJK

SOIL OVA SAMPLE DATA

SHEET 4 OF 4

DATE: 6/3/15 | PROJECT NAME: GCRA-Power District, Parcel 4 | PROJECT NO: 06632483

☐ FID ☐ PID MODEL & SERIAL NO: | CALIBRATION DATE/STANDARD:

HEADSPACE CONTAINER: ☐ 16 OZ GLASS ☐ 8 OZ GLASS ☒ 1 JAR ☐ 2 JAR ☐ ~~ZIP LOC~~ ☐ OTHER

SAMPLE METHOD: ☐ HAND AUGER ☐ SOLID STEM ☐ SPLIT SPOON ☐ CORER ☐ OTHER

EQUIP DECON: ☐ TAP WATER WASH ☐ DIST/DEION 1 RINSE ☐ ISOPROPANOL ☒ ANALYTE FREE FINAL RINSE ☐ TAP WATER FINAL RINSE

☐ ALCONOX WASH ☐ LUMINOX WASH ☐ DIST/DEION 2 RINSE ☐ OTHER SOLVENT ☒ DIST/DEION FINAL RINSE ☐ AIR DRY

SAMPLE LOCATION	SAMPLE NO./ DEPTH (ft BLS)	FLAME IONIZATION DETECTOR (FID)			PID TOTAL	EVIDENT ODOR OR STAIN	LAB SAMPLE G = Grab C = Composite	LITHOLOGIC DESCRIPTION GROUNDWATER DEPTH REMARKS
		FID TOTAL (UNFILTERED)	FID METHANE (FILTERED)	HYDROCARBON (TOTAL-METHANE)				
SB-10	1	2.90	—	2.90	N/A	None	—	Brn FGS
	3	3.00	—	3.00		"	—	"
	5	3.00	—	3.00		"	—	"
	7	2.90	—	2.90		"	—	DK Brn FGS
	9	2.90	—	2.90		"	—	"
	10	3.00	—	3.00		"	—	"

PREPARED BY: DCK

1 Zero Pt Gnd 3.00

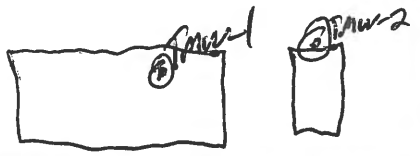
MONITORING WELL CONSTRUCTION DATA

WELL/BORING NO: TMW-1/SB-2

PERMIT NO: N/A

DATE: 6/3/15 | PROJECT NAME: GCRA-Power District, Parcel 4 | PROJECT NO: 06632483

WELL SITE LOCATION PLAN:



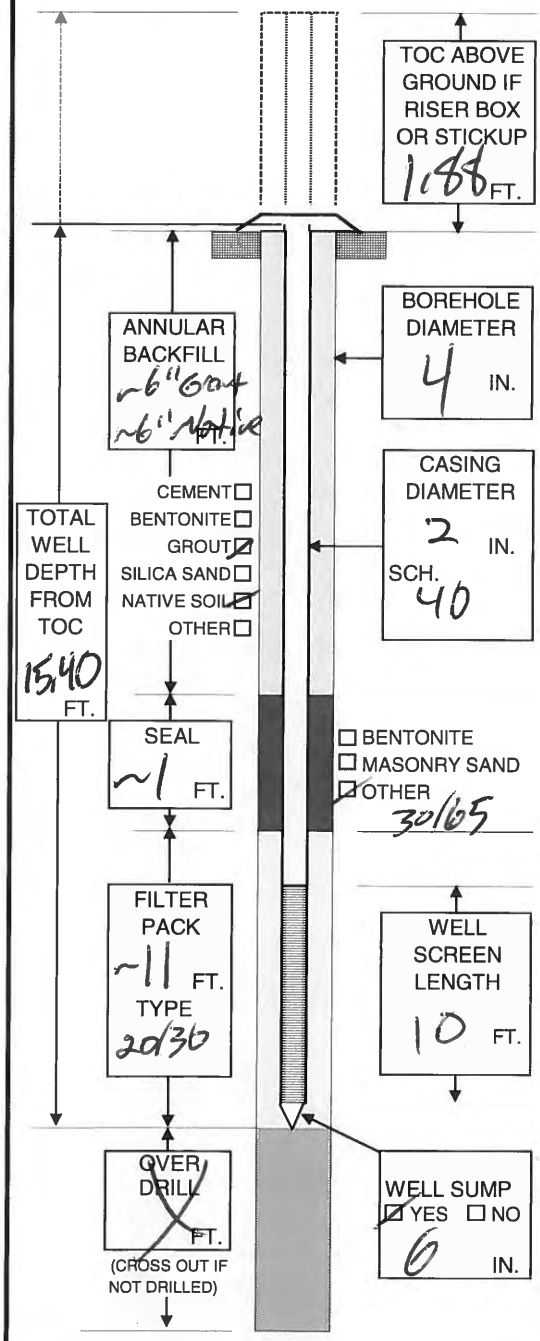
SEC: — TWN: — RGE: — LAT: — LONG: —

DRILLING CO: Transamerican

DRILL CREW:

WELL TYPE: ☒ SHALLOW ☒ SINGLE CASED ☒ MONITORING
☐ PERMANENT ☐ INTERMEDIATE ☐ DOUBLE CASED ☐ RECOVERY
☒ TEMPORARY ☐ DEEP ☐ OTHER ☐ OTHER

WELL SCHEMATIC



INSTALLATION DATA

DECON. ☐ STEAM CLEAN ☒ HIGH PRESSURE WASH ☐ SOAP WASH ☐ OTHER

CASING TYPE: ☒ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
JOINTS: ☒ THREADED ☐ WELDED ☐ COUPLED ☐ SCREWED ☐ OTHER
PIT CASING: ☐ YES ☒ NO ☐ DESCRIBE

WELL SCREEN: ☒ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
DIAMETER: ☒ 2" ☐ 4" ☐ 6" ☐ OTHER IN
SLOT: ☒ 0.010 ☐ 0.020 ☐ OTHER IN

DRILLING METHOD: ☐ SOLID STEM ☒ HOLLOW STEM ☐ MUD ROTARY ☐ AIR ROTARY ☐ DIRECT PUSH ☐ HAND AUGER ☐ OTHER
BIT SIZE: ☐ 2" ☒ 4" ☐ 6" ☐ 8" ☐ 12" ☐ OTHER IN
DRILLING MUD: ☒ NONE ☐ WATER ☐ BENTONITE ☐ OTHER
CENTRALIZER: ☐ YES NO

COMPLETION: ☐ FLUSH MOUNT ☒ STICKUP ☐ RISER BOX
LOCK TYPE: ☐ DOLPHIN ☐ MASTER KEY NO. ☒ OTHER None
PAD: ☐ 2'X2' ☐ 4'X4' ☒ OTHER None

CUTTINGS: ☒ DRUMMED NUMBER OF DRUMS 3/4 PVC 1/2 ☐ SPREAD ☐ OTHER

DEVELOPMENT METHOD: ☐ NONE ☐ BAILING ☒ PUMPING ☐ AIR LIFT ☐ SURGE & BLOCK ☐ OTHER
TIME: ☐ 10 MIN ☐ 20 MIN ☒ OTHER 22 MIN
AMOUNT ☐ 5 GAL ☒ 10 GAL ☐ OTHER GAL
WATER BEFORE: ☒ SILTY ☐ TURBID ☐ OPAQUE ☐ CLEAR
WATER AFTER: ☐ SILTY ☐ TURBID ☐ OPAQUE ☒ CLEAR
EVIDENT ODOR: ☐ YES ☒ NO TYPE

DEVELOPMENT WATER: ☒ DRUMMED NUMBER OF DRUMS 1/3 ☐ SPREAD ☐ TREATED ☐ POTW ☐ OTHER

WATER LEVEL: INITIAL 11.70 FT ☒ BTOC ☐ BLS

DATE: FT BELOW TOC

DATE: FT BELOW TOC

NOTES: (DESCRIBE ALL NON-STANDARD METHODS & MATERIALS)
TMW removed from site and borehole patched following sampling.

PREPARED BY: DLK

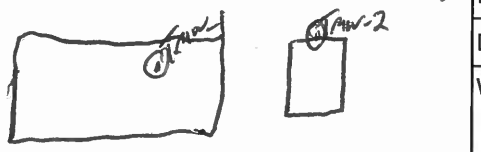
MONITORING WELL CONSTRUCTION DATA

WELL/BORING NO: TMW-2/SB-9

PERMIT NO: N/A

DATE: 6/3/15 | PROJECT NAME: GCRA-Power District, Parcel 4 | PROJECT NO: 06632483

WELL SITE LOCATION PLAN:



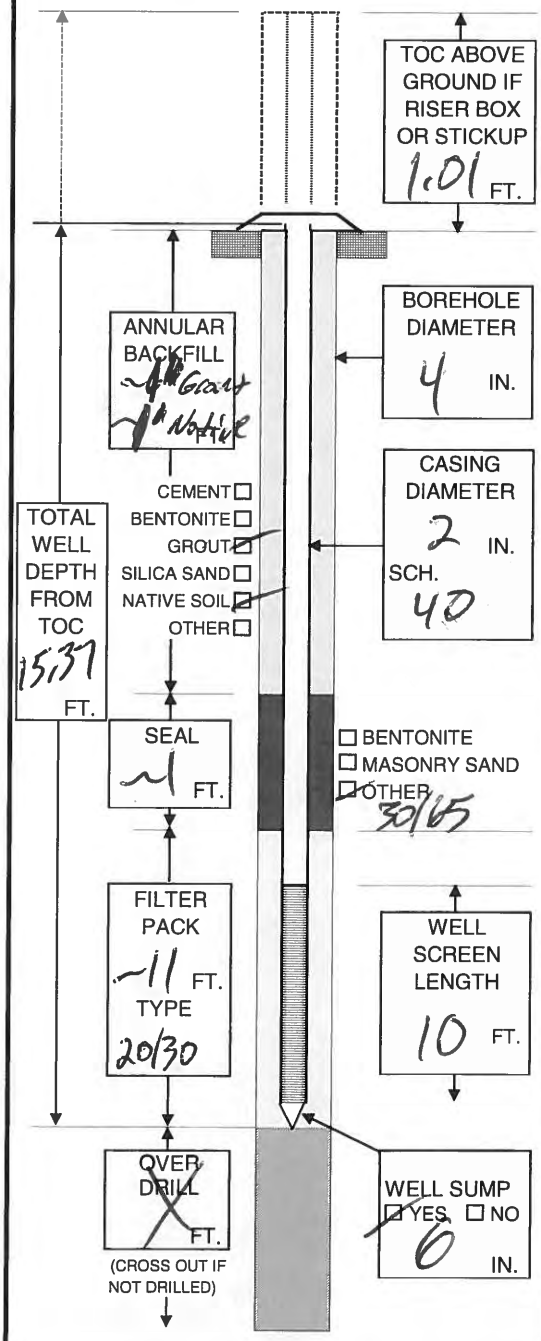
SEC: — TWN: — RGE: — LAT: — LONG: —

DRILLING CO: Transamerican

DRILL CREW:

WELL TYPE: ☑ SHALLOW ☑ SINGLE CASED ☑ MONITORING ☐ PERMANENT ☐ INTERMEDIATE ☐ DOUBLE CASED ☐ RECOVERY ☑ TEMPORARY ☐ DEEP ☐ OTHER ☐ OTHER

WELL SCHEMATIC



INSTALLATION DATA

DECON. ☐ STEAM CLEAN ☑ HIGH PRESSURE WASH ☐ SOAP WASH ☐ OTHER

CASING TYPE: ☑ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
JOINTS: ☑ THREADED ☐ WELDED ☐ COUPLED ☐ SCREWED ☐ OTHER
PIT CASING: ☐ YES ☑ NO ☐ DESCRIBE

WELL SCREEN: ☑ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER IN
SLOT: ☑ 0.010 ☐ 0.020 ☐ OTHER IN

DRILLING METHOD: ☐ SOLID STEM ☑ HOLLOW STEM ☐ MUD ROTARY ☐ AIR ROTARY ☐ DIRECT PUSH ☐ HAND AUGER ☐ OTHER
BIT SIZE: ☐ 2" ☑ 4" ☐ 6" ☐ 8" ☐ 12" ☐ OTHER IN
DRILLING MUD: ☑ NONE ☐ WATER ☐ BENTONITE ☐ OTHER
CENTRALIZER: ☐ YES NO

COMPLETION: ☐ FLUSH MOUNT ☑ STICKUP ☐ RISER BOX
LOCK TYPE: ☐ DOLPHIN ☐ MASTER KEY NO. ☑ OTHER none
PAD: ☐ 2'X2' ☐ 4'X4' ☑ OTHER none

CUTTINGS: ☑ DRUMMED NUMBER OF DRUMS 3/4 ☐ SPREAD ☐ OTHER

DEVELOPMENT METHOD: ☐ NONE ☐ BAILING ☑ PUMPING ☐ AIR LIFT ☐ SURGE & BLOCK ☐ OTHER
TIME: ☐ 10 MIN ☑ 20 MIN ☑ OTHER 25 MIN
AMOUNT: ☐ 5 GAL ☑ 10 GAL ☐ OTHER GAL
WATER BEFORE: ☑ SILTY ☐ TURBID ☐ OPAQUE ☐ CLEAR
WATER AFTER: ☐ SILTY ☐ TURBID ☐ OPAQUE ☑ CLEAR
EVIDENT ODOR: ☐ YES ☑ NO TYPE

DEVELOPMENT WATER: ☑ DRUMMED NUMBER OF DRUMS 1/3 ☐ SPREAD ☐ TREATED ☐ POTW ☐ OTHER

WATER LEVEL: INITIAL 8.13 FT ☑ BTOC ☐ BLS

DATE: FT BELOW TOC

DATE: FT BELOW TOC

NOTES: (DESCRIBE ALL NON-STANDARD METHODS & MATERIALS)
TMW removed from ground and borehole patched following sampling.

PREPARED BY: DCK

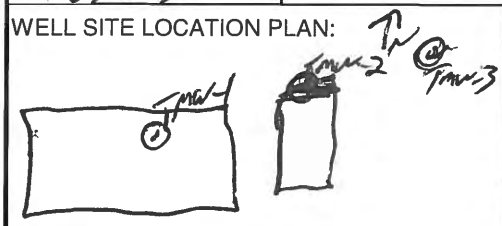
MONITORING WELL CONSTRUCTION DATA

WELL/BORING NO: TMW-3/SB-10

PERMIT NO: N/A

DATE 6/3/15 | PROJECT NAME: GCRA-Power District, Parcel 4 | PROJECT NO: 06632483

WELL SITE LOCATION PLAN:



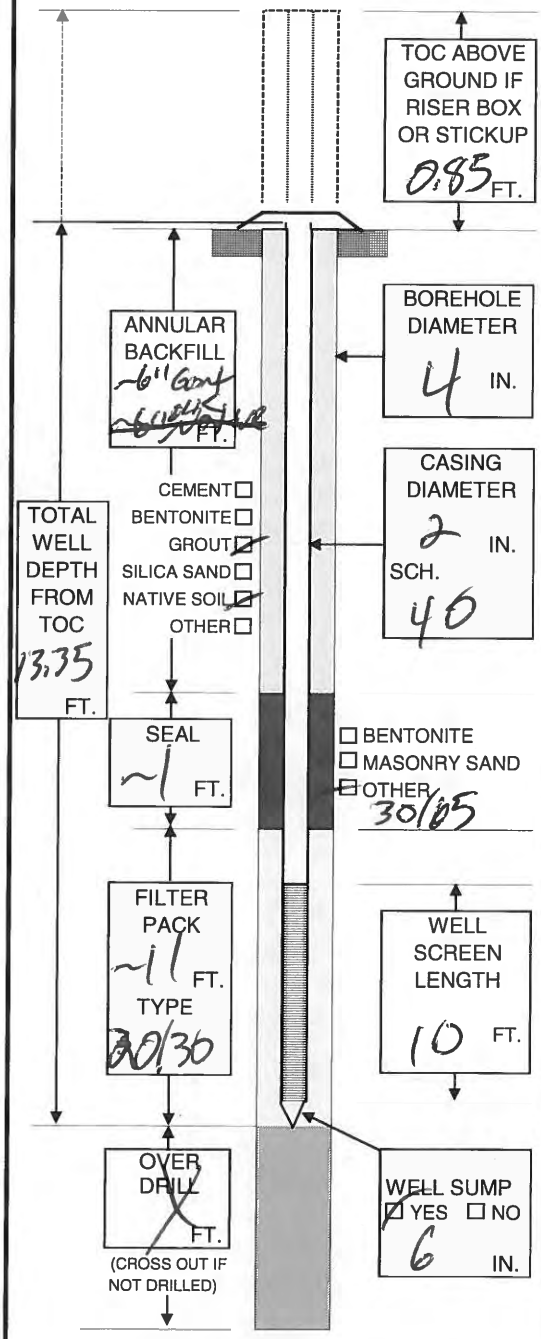
SEC: — TWN: — RGE: — LAT: — LONG: —

DRILLING CO: Transamerican

DRILL CREW:

WELL TYPE: ☑ SHALLOW ☑ SINGLE CASED ☑ MONITORING ☐ PERMANENT ☐ INTERMEDIATE ☐ DOUBLE CASED ☐ RECOVERY ☑ TEMPORARY ☐ DEEP ☐ OTHER ☐ OTHER

WELL SCHEMATIC



INSTALLATION DATA

DECON. ☐ STEAM CLEAN ☑ HIGH PRESSURE WASH ☐ SOAP WASH ☐ OTHER

CASING TYPE: ☑ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
JOINTS: ☑ THREADED ☐ WELDED ☐ COUPLED ☐ SCREWED ☐ OTHER
PIT CASING: ☐ YES ☑ NO ☐ DESCRIBE

WELL SCREEN: ☑ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
DIAMETER: ☑ 2" ☐ 4" ☐ 6" ☐ OTHER IN
SLOT: ☑ 0.010 ☐ 0.020 ☐ OTHER IN

DRILLING METHOD: ☐ SOLID STEM ☑ HOLLOW STEM ☐ MUD ROTARY ☐ AIR ROTARY ☐ DIRECT PUSH ☐ HAND AUGER ☐ OTHER
BIT SIZE: ☐ 2" ☑ 4" ☐ 6" ☐ 8" ☐ 12" ☐ OTHER IN
DRILLING MUD: ☑ NONE ☐ WATER ☐ BENTONITE ☐ OTHER
CENTRALIZER: ☐ YES ☑ NO

COMPLETION: ☐ FLUSH MOUNT ☑ STICKUP ☐ RISER BOX
LOCK TYPE: ☐ DOLPHIN ☐ MASTER KEY NO. ☑ OTHER None
PAD: ☐ 2'X2' ☐ 4'X4' ☑ OTHER None

CUTTINGS: ☑ DRUMMED NUMBER OF DRUMS 3/4 ☐ SPREAD ☐ OTHER

DEVELOPMENT METHOD: ☐ NONE ☐ BAILING ☑ PUMPING ☐ AIR LIFT ☐ SURGE & BLOCK ☐ OTHER
TIME: ☐ 10 MIN ☐ 20 MIN ☑ OTHER 15 MIN
AMOUNT ☐ 5 GAL ☐ 10 GAL ☑ OTHER 7 GAL
WATER BEFORE: ☑ SILTY ☐ TURBID ☐ OPAQUE ☐ CLEAR
WATER AFTER: ☐ SILTY ☐ TURBID ☐ OPAQUE ☑ CLEAR
EVIDENT ODOR: ☐ YES ☑ NO TYPE

DEVELOPMENT WATER: ☑ DRUMMED NUMBER OF DRUMS <1/3 ☐ SPREAD ☐ TREATED ☐ POTW ☐ OTHER

WATER LEVEL: INITIAL 8.55 FT ☑ BTOC ☐ BLS

DATE: FT BELOW TOC

DATE: FT BELOW TOC

NOTES: (DESCRIBE ALL NON-STANDARD METHODS & MATERIALS)

TMW removed from ground and borehole patched following sampling.

PREPARED BY: DCK

Form FD9000-8 **CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)** REVISED

Boldly "X" this box if there is qualified data on this page.

Project Name and No.: GCRA-Power District, Parcel 4 / 06632483 Date: 6/4/15 Meter #: 01F1467AF

Temperature (Quarterly) *For Date of Last Temperature Verification see* 1/20/14

Dissolved Oxygen			**DEP SOP FT 1500**	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
												Acceptance Criteria: +/-0.3 mg/L	
CAL	ICV	CCV		DLK	6/4/15	1011	—	0.87	7.94	26.04	97.5	8.11	P F
CAL	ICV	CCV		1	1	1324	—	—	8.46	29.21	110.3	7.69	P F (J)
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F

Specific Conductance			**DEP SOP FT 1200**	Initials	Date	Time	Standard umhos/cm or ~~mg/cm (circle)~~	Exp. Date	Lot #	Bottle #	Cell Constant	Reading umhos/cm	Pass or Fail
												Acceptance Criteria: +/-5%	
CAL	ICV	CCV		DLK	6/4/15	1003	1413	10/15	4AI937	—	4.90	1378	P F
CAL	ICV	CCV		1	1	1315	1	1	1	—		1430	P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F

pH			**DEP SOP FT 1100**	Initials	Date	Time	Standard SU	Exp. Date	Lot #	~~Bottle #~~ pH mv	Slope	Reading SU	Pass or Fail
												Acceptance Criteria: +/-0.2 SU	
CAL	ICV	CCV		DLK	6/4/15	1007	7.00	4/16	4AD690	-11.4	177.7	6.89	P F
CAL	ICV	CCV				1009	10.00		4AD413	-189.1	177.7	10.10	P F
CAL	ICV	CCV				1013	4.00		4AD467	151.3	162.7	3.95	P F
CAL	ICV	CCV				1319	7.00		4AD690	-7.8	177.7	6.83	P F
CAL	ICV	CCV				1321	10.00		4AD413	-185.5	177.7	10.00	P F
CAL	ICV	CCV				1317	4.00		4AD467	152.7	160.5	3.96	P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F
CAL	ICV	CCV											P F

Maintenance: Weekly pH Slope: Ø Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No

Notes:

J= out of cal range

Perform only in Calibrate Mode: **CAL** - Calibrate -
Perform only in Run Mode: **ICV** - Initial Calibration Verification
Perform only in Run Mode: **CCV** - Continuing Calibration Verification

Form FD 9000-8: Field Instrument Calibration Records

PSI PROJECT NAME: __GCAR-Power District, Parcel 4_ PSI PROJECT NO: 06632483

INSTRUMENT (MAKE/MODEL#) Micro TPW Turbidimeter INSTRUMENT # 201005099

PARAMETER(S) (check only one):

- ☐ TEMPERATURE
- ☐ CONDUCTIVITY
- ☐ SALINITY
- ☐ pH
- ☐ ORP
- ☑ TURBIDITY
- ☐ RESIDUAL Cl
- ☐ DO
- ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 0.02 Lot # 40701 Exp 7/2016
Standard B 10.00 Lot # 40763 Exp 7/2016
Standard C 1000 Lot # 40703 Exp 7/2016

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
15/6/4	1010	A	0.02	0.01	N/A	Yes	Cont	DK
	1010	B	10.00	10.09	0.90	Yes	Cont	
	1010	C	1000	1020	2.00	Yes	Cont	
	1320	A	0.02	0.01	N/A	Yes	Cont	
	1320	B	10.00	10.20	2.00	Yes	cont	
	1320	C	1000	1017	1.70	Yes	cont	

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: GCRA-Power District, Parcel 4	SITE LOCATION: 400 SE 5th Ave, Gainesville, FL	PROJECT NO.: 06632483
WELL NO: TMW-1	SAMPLE ID: TMW-1	DATE: 6/4/15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 5.40 feet to 15.40	STATIC DEPTH TO WATER (feet): 11.72	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.40 feet – 11.53 feet) X 0.16 gallons/foot = ~0.6 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) NOTE: YSI 556MPS flow cell volume = 500 mL = 0.13 gallons (1 gallon = 3,785 mL)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~13.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~13.5	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1104	TOTAL VOLUME PURGED (gallons): ~2.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L / % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR/ ODOR (describe)
1040	~1.0	~1.0	~0.05	11.72	5.61	24.82	304	5.80/70.0	3.86	—	clear/ none
1050	~0.5	~1.5	~0.05	11.72	5.75	24.76	297	5.48/66.1	2.56	—	" "
1100	~0.5	~2.0	~0.05	11.72	5.75	24.79	294	5.48/66.1	2.77	—	" "
1102	~0.1	~2.1	~0.05	11.72	5.74	24.79	293	5.40/65.3	2.30	—	" "
1104	~0.1	~2.2	~0.05	11.72	5.75	24.79	293	5.42/65.5	1.07	—	" "
								Filterd	0.26		
								± 10%			

WELL CAPACITY (Gallons Per Foot): **1/2"** = 0.010; **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DUK/PSE	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1104	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): ~13.5	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: (Y) N Filtration Equipment Type: GWV	FILTER SIZE: 1 µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) OTHER (specify) WM (Y) N DUPLICATE: (Y) N DUP. ID:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED*	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-1	3	CG	40mL	HCL	LP	LP	8260VOA/VOH	APP	~150
	1	AG	250mL	None	—	—	8270PAHS		
	2	AG	1L	H_2SO_4	LP	LP	FL-PRO		
	2	PE	250mL	HNO_3	LP	LP	8 RCRA Total/Dissolved		

5 WELL VOLUMES: ~3.1 gal
REMARKS: ✓= out of cal range; DO optional criteria of ± 10% used. 1.88 ft stickup
* Samples placed on ice subsequent to collection

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING/PURGING APP = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **WM** = Water Level Meter
EQUIPMENT CODES: **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify); **LP** = Lab Preserved

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
3 Standard decontamination procedures includes DI water rinse, Luminox solution wash, DI water final rinse, & air dry.
4 1 gpm = 3,785.4 mL/min

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: GCRA-Power District, Parcel 4	SITE LOCATION: 400 SE 5th Ave, Gainesville, FL	PROJECT NO.: 06632483
WELL NO: TMW-2	SAMPLE ID: TMW-2	DATE: 6/4/15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/8	WELL SCREEN INTERVAL DEPTH: 5.37 feet to 15.37	STATIC DEPTH TO WATER (feet): 8.00	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.37 feet – 8.00 feet) X 0.16 gallons/foot = ~1.2 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) NOTE: YSI 556MPS flow cell volume = 500 mL = 0.13 gallons (1 gallon = 3,785 mL)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~10	PURGING INITIATED AT: 1135	PURGING ENDED AT: 1159	TOTAL VOLUME PURGED (gallons): ~1.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (J) mg/L / % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR/ ODOR (describe)
1155	~1.2	~1.2	~0.06	8.17	6.00	26.09	376	1.40/18.0	8.59	—	clear none
1157	~0.1	~1.3	~0.06	8.17	5.99	26.05	376	1.38/17.7	8.30	—	"
1159	~0.1	~1.4	~0.06	8.17	6.00	25.96	377	1.41/18.1	7.82	—	"
								Filtered	0.93		

WELL CAPACITY (Gallons Per Foot): **1/2"** = 0.010; **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY ~~(PRINT)~~ / AFFILIATION: DK/PSI	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1159	SAMPLING ENDED AT: 1215
PUMP OR TUBING DEPTH IN WELL (feet): ~16	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type: GWV	FILTER SIZE: 1 µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) OTHER (specify) ~~Y~~ (N) DUPLICATE: Y (N) DUP. ID:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED*	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-2	3	AG	40mL	HCL	LP	LP	8260VOA/BTEX	APP	~227
|	1	AG	250mL	None	—	—	8270PAHS	|	|
|	2	AG	1L	H2SO4	LP	LP	FLPRO	|	|
|	2	PE	250mL	HNO3	LP	LP	8RCRA	|	|
							Total/Dissolved (held)		

5 WELL VOLUMES: ~5.9 gal
REMARKS: J = out of cal range.
* Samples placed on ice subsequent to collection
1.01 ft Stickup

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING/PURGING APP = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **WM** = Water Level Meter
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify); **LP** = Lab Preserved

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
3 Standard decontamination procedures includes DI water rinse, Luminox solution wash, DI water final rinse, & air dry.
4 1 gpm = 3,785.4 mL/min

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: GCRA-Power District, Parcel 4	SITE LOCATION: 400 SE 5th Ave, Gainesville, FL	PROJECT NO.: 06632483
WELL NO: TMW-3	SAMPLE ID: TMW-3	DATE: 6/4/15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/8	WELL SCREEN INTERVAL DEPTH: 3.35 feet to 13.35	STATIC DEPTH TO WATER (feet): 8.50	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (13.35 feet – 8.50 feet) X 0.16 gallons/foot = ~0.8 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) NOTE: YSI 556MPS flow cell volume = 500 mL = 0.13 gallons (1 gallon = 3,785 mL)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~10.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~10.5	PURGING INITIATED AT: 1225	PURGING ENDED AT: 1249	TOTAL VOLUME PURGED (gallons): ~1.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN mg/L / (J) % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR/ ODOR (describe)
1245	~1.0	~1.0	~0.05	8.64	6.65	29.11	526	1.30/17.0	8.47	—	clear none
1247	~0.1	~1.1	~0.05	8.64	6.66	29.20	525	1.22/16.7	6.49	—	"
1249	~0.1	~1.2	~0.05	8.64	6.67	29.25	525	1.28/16.8	3.81	—	"
								Filtered	0.64		

WELL CAPACITY (Gallons Per Foot): **1/2"** = 0.010; **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016
PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DKPSL	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1249	SAMPLING ENDED AT: 1307
PUMP OR TUBING DEPTH IN WELL (feet): ~10.5	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: (Y) N Filtration Equipment Type: GWV	FILTER SIZE: 1 µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N)(replaced) OTHER (specify) um Y (N) DUPLICATE: Y (N) DUP. ID:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED*	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-3	3	CG	40mL	HCL	LP	LP	8260 VOA/VOH	APP	~189
	1	AG	250mL	None	—	—	8270PAHS		
	2	AG	1L	H2SO4	LP	LP	FL-PRO		
	2	PE	250mL	HNO3	LP	LP	ARCRA		
							Total/Dissolved		

5 WELL VOLUMES: ~3.9gal
REMARKS: J = out of cal range
* Samples placed on ice subsequent to collection
0.85 ft Stickup.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING/PURGING APP = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP =** Peristaltic Pump; **WM** = Water Level Meter
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump;**SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify); **LP** = Lab Preserved

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
3 Standard decontamination procedures includes DI water rinse, Luminox solution wash, DI water final rinse, & air dry.
4 1 gpm = 3,785.4 mL/min

Revision Date: February 12, 2009

APPENDIX B

Laboratory Analytical Report
and
Chain-of-Custody Documentation

ENCO Laboratories

Accurate. Timely. Responsive. Innovative.

10775 Central Port Drive
Orlando FL, 32824
Phone: 407.826.5314 FAX: 407.850.6945

Friday, June 26, 2015
PSI (PS001)
Attn: Angela Garzia
1748 33rd St.
Orlando, FL 32839

RE: Laboratory Results for
Project Number: 0663-2483, Project Name/Desc: GCRA-Power District, Parcel 4
ENCO Workorder(s): A503314

Dear Angela Garzia,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, June 4, 2015.

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

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

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

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

Sincerely,

David M. Camacho

David Camacho For Ronald Wambles

Project Manager

Enclosure(s)

PROJECT NARRATIVE

Client: PSI (PS001)
Project: GCRA-Power District, Parcel 4
ENCO Project ID: A503314

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling and processing will be discussed in the Remarks section below.

Remarks

Analysis: EPA 1312, EPA 6010C
Affected Samples: SB-6 @ 1'[A503314-02]

Nonconformance: This report is an amendment to the original report dated 06/22/15 for this work order.

Additional Information: At the client's request SPLP Lead was added to sample SB-6 @ 1'.

David Camacho
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SB-1 @ 1' **Lab ID: A503314-01** **Sampled: 06/03/15 13:45** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/30/15		06/09/15	09:37	06/10/15 13:54
EPA 7471B	07/01/15		06/09/15	12:07	06/10/15 08:27
EPA 8260B	06/17/15		06/11/15	00:00	06/11/15 15:07
EPA 8270D	06/17/15	07/22/15	06/12/15	07:00	06/12/15 17:01
FL-PRO	06/17/15	07/15/15	06/05/15	14:00	06/08/15 16:38

Client ID: SB-1 @ 1' **Lab ID: A503314-01RE1** **Sampled: 06/03/15 13:45** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/17/15		06/15/15	00:00	06/15/15 13:08

Client ID: SB-6 @ 1' **Lab ID: A503314-02** **Sampled: 06/03/15 14:00** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/30/15		06/09/15	09:37	06/10/15 13:55
EPA 6010C	11/30/15	12/22/15	06/25/15	10:38	06/26/15 10:49
EPA 7471B	07/01/15		06/09/15	12:07	06/10/15 08:31
EPA 8260B	06/17/15		06/11/15	00:00	06/11/15 15:39
EPA 8270D	06/17/15	07/22/15	06/12/15	07:00	06/12/15 17:22
FL-PRO	06/17/15	07/15/15	06/05/15	14:00	06/08/15 22:25

Client ID: SB-6 @ 1' **Lab ID: A503314-02RE1** **Sampled: 06/03/15 14:00** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/17/15		06/15/15	00:00	06/15/15 13:40

Client ID: SB-9 @ 1' **Lab ID: A503314-03** **Sampled: 06/03/15 14:15** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/30/15		06/09/15	09:37	06/10/15 13:57
EPA 7471B	07/01/15		06/09/15	12:07	06/10/15 08:34
EPA 8260B	06/17/15		06/11/15	00:00	06/11/15 16:10
EPA 8270D	06/17/15	07/22/15	06/12/15	07:00	06/12/15 17:49
FL-PRO	06/17/15	07/15/15	06/05/15	14:00	06/08/15 22:56

Client ID: SB-9 @ 1' **Lab ID: A503314-03RE1** **Sampled: 06/03/15 14:15** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/17/15		06/15/15	00:00	06/15/15 14:12

Client ID: Disp-1 **Lab ID: A503314-04** **Sampled: 06/04/15 09:50** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	12/01/15	12/07/15	06/10/15	09:30	06/11/15 12:51
EPA 7470A	07/02/15	07/08/15	06/10/15	11:43	06/11/15 09:43
EPA 8260B	06/18/15	06/23/15	06/09/15	00:00	06/09/15 17:51

Client ID: TMW-1 **Lab ID: A503314-05** **Sampled: 06/04/15 11:04** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	12/01/15		06/08/15	09:33	06/09/15 15:19
EPA 7470A	07/02/15		06/10/15	11:45	06/11/15 08:11
EPA 8260B	06/18/15		06/15/15	00:00	06/15/15 17:23
EPA 8270D	06/11/15	07/15/15	06/05/15	14:43	06/11/15 14:49
FL-PRO	06/11/15	07/15/15	06/05/15	09:12	06/05/15 17:48

Client ID: TMW-2 **Lab ID: A503314-06** **Sampled: 06/04/15 11:59** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	12/01/15		06/08/15	09:33	06/09/15 15:22
EPA 7470A	07/02/15		06/10/15	11:45	06/11/15 06:48
EPA 8260B	06/18/15		06/15/15	00:00	06/15/15 17:54
EPA 8270D	06/11/15	07/15/15	06/05/15	14:43	06/11/15 15:11
FL-PRO	06/11/15	07/15/15	06/05/15	09:12	06/05/15 18:20

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: TMW-3 **Lab ID: A503314-07** **Sampled: 06/04/15 12:49** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	12/01/15		06/08/15	09:33	06/09/15 15:25
EPA 7470A	07/02/15		06/10/15	11:45	06/11/15 08:14
EPA 8260B	06/18/15		06/15/15	00:00	06/15/15 18:25
EPA 8270D	06/11/15	07/15/15	06/05/15	14:43	06/11/15 15:32
FL-PRO	06/11/15	07/15/15	06/05/15	09:12	06/05/15 19:23

Client ID: TRIP BLANK **Lab ID: A503314-08** **Sampled: 06/03/15 00:00** **Received: 06/04/15 16:16**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/17/15	06/15/15	00:00	06/15/15 11:40

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SAMPLE DETECTION SUMMARY

Client ID: SB-1 @ 1' **Lab ID: A503314-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	33.2		0.0236	0.591	mg/kg dry	EPA 6010C	
Cadmium - Total	0.0307	I	0.00757	0.0591	mg/kg dry	EPA 6010C	
Chromium - Total	3.85		0.0260	0.591	mg/kg dry	EPA 6010C	
Lead - Total	25.8		0.142	0.591	mg/kg dry	EPA 6010C	
Mercury - Total	0.181		0.00410	0.0105	mg/kg dry	EPA 7471B	
Methylene Chloride	0.0026		0.0009	0.0024	mg/kg dry	EPA 8260B	O-01
Silver - Total	0.118	I	0.0579	0.591	mg/kg dry	EPA 6010C	
Tetrachloroethene	0.036		0.0006	0.0012	mg/kg dry	EPA 8260B	
TPH (C8-C40)	11		3.6	6.0	mg/kg dry	FL-PRO	

Client ID: SB-6 @ 1' **Lab ID: A503314-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acenaphthylene	0.075		0.019	0.038	mg/kg dry	EPA 8270D	J-02
Anthracene	0.026	I	0.015	0.038	mg/kg dry	EPA 8270D	
Arsenic - Total	0.960		0.607	0.705	mg/kg dry	EPA 6010C	
Barium - Total	30.0		0.0282	0.705	mg/kg dry	EPA 6010C	
Benzo(a)anthracene	0.062		0.015	0.038	mg/kg dry	EPA 8270D	
Benzo(a)pyrene	0.064		0.016	0.038	mg/kg dry	EPA 8270D	
Benzo(b)fluoranthene	0.081		0.018	0.038	mg/kg dry	EPA 8270D	J-02
Benzo(g,h,i)perylene	0.077		0.016	0.038	mg/kg dry	EPA 8270D	
Benzo(k)fluoranthene	0.036	I	0.020	0.038	mg/kg dry	EPA 8270D	
Cadmium - Total	0.694		0.00903	0.0705	mg/kg dry	EPA 6010C	
Chromium - Total	9.49		0.0310	0.705	mg/kg dry	EPA 6010C	
Chrysene	0.064		0.013	0.038	mg/kg dry	EPA 8270D	
Fluoranthene	0.058		0.018	0.038	mg/kg dry	EPA 8270D	
Indeno(1,2,3-cd)pyrene	0.053		0.016	0.038	mg/kg dry	EPA 8270D	
Lead - Total	239		0.169	0.705	mg/kg dry	EPA 6010C	
Lead - SPLP	8.84	I	2.50	10.0	ug/L	EPA 6010C	
Mercury - Total	0.0458		0.00358	0.00919	mg/kg dry	EPA 7471B	
Methylene Chloride	0.0015	I	0.0009	0.0024	mg/kg dry	EPA 8260B	O-01
Phenanthrene	0.019	I	0.016	0.038	mg/kg dry	EPA 8270D	
Pyrene	0.068		0.017	0.038	mg/kg dry	EPA 8270D	
Tetrachloroethene	0.0037		0.0006	0.0012	mg/kg dry	EPA 8260B	
TPH (C8-C40)	130		3.6	6.1	mg/kg dry	FL-PRO	

Client ID: SB-9 @ 1' **Lab ID: A503314-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	10.4		0.0224	0.559	mg/kg dry	EPA 6010C	
Chromium - Total	3.01		0.0246	0.559	mg/kg dry	EPA 6010C	
Lead - Total	4.28		0.134	0.559	mg/kg dry	EPA 6010C	
Mercury - Total	0.0313		0.00385	0.00986	mg/kg dry	EPA 7471B	
Methylene Chloride	0.0025		0.0008	0.0020	mg/kg dry	EPA 8260B	O-01
TPH (C8-C40)	96		3.8	6.4	mg/kg dry	FL-PRO	

Client ID: Disp-1 **Lab ID: A503314-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - TCLP	0.362		0.00975	0.250	mg/L	EPA 6010C	
Selenium - TCLP	0.242	I	0.205	1.00	mg/L	EPA 6010C	

Client ID: TMW-1 **Lab ID: A503314-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	13.4		0.390	10.0	ug/L	EPA 6010C	
Tetrachloroethene	5.3		0.76	1.0	ug/L	EPA 8260B	

Client ID: TMW-2 **Lab ID: A503314-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	12.5		0.390	10.0	ug/L	EPA 6010C	
Cadmium - Total	0.298	I	0.280	1.00	ug/L	EPA 6010C	

Client ID: TMW-3 **Lab ID: A503314-07**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	11.0		0.390	10.0	ug/L	EPA 6010C	
Selenium - Total	8.68	I	8.20	40.0	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: SB-1 @ 1'	**Lab Sample ID:** A503314-01	**Received:** 06/04/15 16:16
Matrix: Soil	**Sampled:** 06/03/15 13:45	**Work Order:** A503314
Project: GCRA-Power District, Parcel 4	**Sampled By:** Daniel Kelley	**% Solids:** 95.03

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,1-Dichloroethane [75-34-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,1-Dichloroethene [75-35-4]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,2-Dichloroethane [107-06-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,2-Dichloropropane [78-87-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	0.0018	U	mg/kg dry	1	0.0018	0.0053	5F15026	EPA 8260B	06/15/15 13:08	NMC	
Benzene [71-43-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Bromodichloromethane [75-27-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Bromoform [75-25-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Bromomethane [74-83-9]^	0.0011	U	mg/kg dry	1	0.0011	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Carbon Tetrachloride [56-23-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Chlorobenzene [108-90-7]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Chloroethane [75-00-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Chloroform [67-66-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Chloromethane [74-87-3]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Dibromochloromethane [124-48-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Ethylbenzene [100-41-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	0.0012	U	mg/kg dry	1	0.0012	0.0024	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Methylene Chloride [75-09-2]^	**0.0026**		mg/kg dry	1	0.0009	0.0024	5F11014	EPA 8260B	06/11/15 15:07	KKW	O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
o-Xylene [95-47-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Tetrachloroethene [127-18-4]^	**0.036**		mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Toluene [108-88-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Trichloroethene [79-01-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Trichlorofluoromethane [75-69-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Vinyl chloride [75-01-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:07	KKW	
Xylenes (Total) [1330-20-7]^	0.0012	U	mg/kg dry	1	0.0012	0.0024	5F11014	EPA 8260B	06/11/15 15:07	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*0.055*	*1*	*0.0608*	*90 %*	*71-126*	*5F11014*	*EPA 8260B*	*06/11/15 15:07*	*KKW*	
4-Bromofluorobenzene	*0.050*	*1*	*0.0552*	*91 %*	*71-126*	*5F15026*	*EPA 8260B*	*06/15/15 13:08*	*NMC*	
Dibromofluoromethane	*0.059*	*1*	*0.0608*	*97 %*	*72-133*	*5F11014*	*EPA 8260B*	*06/11/15 15:07*	*KKW*	
Dibromofluoromethane	*0.055*	*1*	*0.0552*	*100 %*	*72-133*	*5F15026*	*EPA 8260B*	*06/15/15 13:08*	*NMC*	
Toluene-d8	*0.061*	*1*	*0.0608*	*101 %*	*80-123*	*5F11014*	*EPA 8260B*	*06/11/15 15:07*	*KKW*	
Toluene-d8	*0.053*	*1*	*0.0552*	*96 %*	*80-123*	*5F15026*	*EPA 8260B*	*06/15/15 13:08*	*NMC*	

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ANALYTICAL RESULTS

Description: SB-1 @ 1'	**Lab Sample ID:** A503314-01	**Received:** 06/04/15 16:16
Matrix: Soil	**Sampled:** 06/03/15 13:45	**Work Order:** A503314
Project: GCRA-Power District, Parcel 4	**Sampled By:** Daniel Kelley	**% Solids:** 95.03

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1-Methylnaphthalene [90-12-0]^	0.020	U	mg/kg dry	1	0.020	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	QL-02
2-Methylnaphthalene [91-57-6]^	0.019	U	mg/kg dry	1	0.019	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Acenaphthene [83-32-9]^	0.016	U	mg/kg dry	1	0.016	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	QL-02
Acenaphthylene [208-96-8]^	0.019	U	mg/kg dry	1	0.019	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	QL-02
Anthracene [120-12-7]^	0.015	U	mg/kg dry	1	0.015	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	QM-07
Benzo(a)anthracene [56-55-3]^	0.015	U	mg/kg dry	1	0.015	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Benzo(a)pyrene [50-32-8]^	0.016	U	mg/kg dry	1	0.016	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.018	U	mg/kg dry	1	0.018	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	QL-02, QM-07
Benzo(g,h,i)perylene [191-24-2]^	0.016	U	mg/kg dry	1	0.016	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.020	U	mg/kg dry	1	0.020	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Chrysene [218-01-9]^	0.013	U	mg/kg dry	1	0.013	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.017	U	mg/kg dry	1	0.017	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Fluoranthene [206-44-0]^	0.018	U	mg/kg dry	1	0.018	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Fluorene [86-73-7]^	0.018	U	mg/kg dry	1	0.018	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	QL-02, QM-11
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.016	U	mg/kg dry	1	0.016	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Naphthalene [91-20-3]^	0.019	U	mg/kg dry	1	0.019	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Phenanthrene [85-01-8]^	0.016	U	mg/kg dry	1	0.016	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	
Pyrene [129-00-0]^	0.017	U	mg/kg dry	1	0.017	0.037	5F12002	EPA 8270D	06/12/15 17:01	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
p-Terphenyl	*1.9*	*1*	*2.10*	*89 %*	*50-150*	*5F12002*	*EPA 8270D*	*06/12/15 17:01*	*jfi*	

FL Petroleum Range Organics

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
TPH (C8-C40)^	**11**		mg/kg dry	1	3.6	6.0	5F05026	FL-PRO	06/08/15 16:38	JJB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
n-Nonatriacontane	*3.5*	*1*	*3.47*	*102 %*	*60-118*	*5F05026*	*FL-PRO*	*06/08/15 16:38*	*JJB*	
o-Terphenyl	*1.8*	*1*	*1.74*	*104 %*	*62-109*	*5F05026*	*FL-PRO*	*06/08/15 16:38*	*JJB*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	**0.181**		mg/kg dry	1	0.00410	0.0105	5F05003	EPA 7471B	06/10/15 08:27	JAY	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2]^	0.508	U	mg/kg dry	1	0.508	0.591	5F09005	EPA 6010C	06/10/15 13:54	ACV	
Barium [7440-39-3]^	**33.2**		mg/kg dry	1	0.0236	0.591	5F09005	EPA 6010C	06/10/15 13:54	ACV	
Cadmium [7440-43-9]^	**0.0307**	I	mg/kg dry	1	0.00757	0.0591	5F09005	EPA 6010C	06/10/15 13:54	ACV	
Chromium [7440-47-3]^	**3.85**		mg/kg dry	1	0.0260	0.591	5F09005	EPA 6010C	06/10/15 13:54	ACV	
Lead [7439-92-1]^	**25.8**		mg/kg dry	1	0.142	0.591	5F09005	EPA 6010C	06/10/15 13:54	ACV	
Selenium [7782-49-2]^	0.189	U	mg/kg dry	1	0.189	2.36	5F09005	EPA 6010C	06/10/15 13:54	ACV	
Silver [7440-22-4]^	**0.118**	I	mg/kg dry	1	0.0579	0.591	5F09005	EPA 6010C	06/10/15 13:54	ACV	

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ANALYTICAL RESULTS

Description:	SB-6 @ 1'	**Lab Sample ID:**	A503314-02	**Received:**	06/04/15 16:16
Matrix:	Soil	**Sampled:**	06/03/15 14:00	**Work Order:**	A503314
Project:	GCRA-Power District, Parcel 4	**Sampled By:**	Daniel Kelley	**% Solids:**	93.28

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,1-Dichloroethane [75-34-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,1-Dichloroethene [75-35-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,2-Dichloroethane [107-06-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,2-Dichloropropane [78-87-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	0.0021	U	mg/kg dry	1	0.0021	0.0061	5F15026	EPA 8260B	06/15/15 13:40	NMC	
Benzene [71-43-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Bromodichloromethane [75-27-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Bromoform [75-25-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Bromomethane [74-83-9]^	0.0011	U	mg/kg dry	1	0.0011	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Carbon Tetrachloride [56-23-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Chlorobenzene [108-90-7]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Chloroethane [75-00-3]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Chloroform [67-66-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Chloromethane [74-87-3]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Dibromochloromethane [124-48-1]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Ethylbenzene [100-41-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	0.0012	U	mg/kg dry	1	0.0012	0.0024	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Methylene Chloride [75-09-2]^	**0.0015**	I	mg/kg dry	1	0.0009	0.0024	5F11014	EPA 8260B	06/11/15 15:39	KKW	O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
o-Xylene [95-47-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Tetrachloroethene [127-18-4]^	**0.0037**		mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Toluene [108-88-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0008	U	mg/kg dry	1	0.0008	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Trichloroethene [79-01-6]^	0.0006	U	mg/kg dry	1	0.0006	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Trichlorofluoromethane [75-69-4]^	0.0007	U	mg/kg dry	1	0.0007	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Vinyl chloride [75-01-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0012	5F11014	EPA 8260B	06/11/15 15:39	KKW	
Xylenes (Total) [1330-20-7]^	0.0012	U	mg/kg dry	1	0.0012	0.0024	5F11014	EPA 8260B	06/11/15 15:39	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*0.051*	*1*	*0.0602*	*84 %*	*71-126*	*5F11014*	*EPA 8260B*	*06/11/15 15:39*	*KKW*	
4-Bromofluorobenzene	*0.055*	*1*	*0.0612*	*90 %*	*71-126*	*5F15026*	*EPA 8260B*	*06/15/15 13:40*	*NMC*	
Dibromofluoromethane	*0.053*	*1*	*0.0602*	*87 %*	*72-133*	*5F11014*	*EPA 8260B*	*06/11/15 15:39*	*KKW*	
Dibromofluoromethane	*0.062*	*1*	*0.0612*	*101 %*	*72-133*	*5F15026*	*EPA 8260B*	*06/15/15 13:40*	*NMC*	
Toluene-d8	*0.058*	*1*	*0.0602*	*96 %*	*80-123*	*5F11014*	*EPA 8260B*	*06/11/15 15:39*	*KKW*	
Toluene-d8	*0.058*	*1*	*0.0612*	*94 %*	*80-123*	*5F15026*	*EPA 8260B*	*06/15/15 13:40*	*NMC*	

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ANALYTICAL RESULTS

Description: SB-6 @ 1'	**Lab Sample ID:** A503314-02	**Received:** 06/04/15 16:16
Matrix: Soil	**Sampled:** 06/03/15 14:00	**Work Order:** A503314
Project: GCRA-Power District, Parcel 4	**Sampled By:** Daniel Kelley	**% Solids:** 93.28

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1-Methylnaphthalene [90-12-0]^	0.020	U	mg/kg dry	1	0.020	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	QL-02
2-Methylnaphthalene [91-57-6]^	0.019	U	mg/kg dry	1	0.019	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Acenaphthene [83-32-9]^	0.016	U	mg/kg dry	1	0.016	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	QL-02
Acenaphthylene [208-96-8]^	**0.075**		mg/kg dry	1	0.019	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	J-02
Anthracene [120-12-7]^	**0.026**	I	mg/kg dry	1	0.015	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Benzo(a)anthracene [56-55-3]^	**0.062**		mg/kg dry	1	0.015	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Benzo(a)pyrene [50-32-8]^	**0.064**		mg/kg dry	1	0.016	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Benzo(b)fluoranthene [205-99-2]^	**0.081**		mg/kg dry	1	0.018	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	J-02
Benzo(g,h,i)perylene [191-24-2]^	**0.077**		mg/kg dry	1	0.016	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Benzo(k)fluoranthene [207-08-9]^	**0.036**	I	mg/kg dry	1	0.020	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Chrysene [218-01-9]^	**0.064**		mg/kg dry	1	0.013	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.017	U	mg/kg dry	1	0.017	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Fluoranthene [206-44-0]^	**0.058**		mg/kg dry	1	0.018	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Fluorene [86-73-7]^	0.018	U	mg/kg dry	1	0.018	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	QL-02
Indeno(1,2,3-cd)pyrene [193-39-5]^	**0.053**		mg/kg dry	1	0.016	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Naphthalene [91-20-3]^	0.019	U	mg/kg dry	1	0.019	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Phenanthrene [85-01-8]^	**0.019**	I	mg/kg dry	1	0.016	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	
Pyrene [129-00-0]^	**0.068**		mg/kg dry	1	0.017	0.038	5F12002	EPA 8270D	06/12/15 17:22	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
p-Terphenyl	*2.0*	*1*	*2.13*	*95 %*	*50-150*	*5F12002*	*EPA 8270D*	*06/12/15 17:22*	*jfi*	

FL Petroleum Range Organics

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
TPH (C8-C40)^	**130**		mg/kg dry	1	3.6	6.1	5F05026	FL-PRO	06/08/15 22:25	JJB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
n-Nonatriacontane	*2.2*	*1*	*3.57*	*62 %*	*60-118*	*5F05026*	*FL-PRO*	*06/08/15 22:25*	*JJB*	
o-Terphenyl	*2.0*	*1*	*1.79*	*113 %*	*62-109*	*5F05026*	*FL-PRO*	*06/08/15 22:25*	*JJB*	*QM-14*

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	**0.0458**		mg/kg dry	1	0.00358	0.00919	5F05003	EPA 7471B	06/10/15 08:31	JAY	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2]^	**0.960**		mg/kg dry	1	0.607	0.705	5F09005	EPA 6010C	06/10/15 13:55	ACV	
Barium [7440-39-3]^	**30.0**		mg/kg dry	1	0.0282	0.705	5F09005	EPA 6010C	06/10/15 13:55	ACV	
Cadmium [7440-43-9]^	**0.694**		mg/kg dry	1	0.00903	0.0705	5F09005	EPA 6010C	06/10/15 13:55	ACV	
Chromium [7440-47-3]^	**9.49**		mg/kg dry	1	0.0310	0.705	5F09005	EPA 6010C	06/10/15 13:55	ACV	
Lead [7439-92-1]^	**239**		mg/kg dry	1	0.169	0.705	5F09005	EPA 6010C	06/10/15 13:55	ACV	
Selenium [7782-49-2]^	0.226	U	mg/kg dry	1	0.226	2.82	5F09005	EPA 6010C	06/10/15 13:55	ACV	
Silver [7440-22-4]^	0.0691	U	mg/kg dry	1	0.0691	0.705	5F09005	EPA 6010C	06/10/15 13:55	ACV	

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ANALYTICAL RESULTS

Description:	SB-6 @ 1'	**Lab Sample ID:**	A503314-02	**Received:**	06/04/15 16:16
Matrix:	Soil	**Sampled:**	06/03/15 14:00	**Work Order:**	A503314
Project:	GCRA-Power District, Parcel 4	**Sampled By:**	Daniel Kelley	**% Solids:**	93.28

SPLP Metals by 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Lead [7439-92-1]^	**8.84**	I	ug/L	1	2.50	10.0	5F25003	EPA 6010C	06/26/15 10:49	ACV	

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ANALYTICAL RESULTS

Description:	SB-9 @ 1'	**Lab Sample ID:**	A503314-03	**Received:**	06/04/15 16:16
Matrix:	Soil	**Sampled:**	06/03/15 14:15	**Work Order:**	A503314
Project:	GCRA-Power District, Parcel 4	**Sampled By:**	Daniel Kelley	**% Solids:**	89.48

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.0003	U	mg/kg dry	1	0.0003	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,1,2-Trichloroethane [79-00-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,1-Dichloroethane [75-34-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,1-Dichloroethene [75-35-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,2-Dichlorobenzene [95-50-1]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,2-Dichloroethane [107-06-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,2-Dichloropropane [78-87-5]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,3-Dichlorobenzene [541-73-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
1,4-Dichlorobenzene [106-46-7]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
2-Chloroethyl Vinyl Ether [110-75-8]^	0.0019	U	mg/kg dry	1	0.0019	0.0056	5F15026	EPA 8260B	06/15/15 14:12	NMC	
Benzene [71-43-2]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Bromodichloromethane [75-27-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Bromoform [75-25-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Bromomethane [74-83-9]^	0.0009	U	mg/kg dry	1	0.0009	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Carbon Tetrachloride [56-23-5]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Chlorobenzene [108-90-7]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Chloroethane [75-00-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Chloroform [67-66-3]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Chloromethane [74-87-3]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
cis-1,2-Dichloroethene [156-59-2]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
cis-1,3-Dichloropropene [10061-01-5]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Dibromochloromethane [124-48-1]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Dichlorodifluoromethane [75-71-8]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Ethylbenzene [100-41-4]^	0.0006	U	mg/kg dry	1	0.0006	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
m,p-Xylenes [108-38-3/106-42-3]^	0.0010	U	mg/kg dry	1	0.0010	0.0020	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Methylene Chloride [75-09-2]^	**0.0025**		mg/kg dry	1	0.0008	0.0020	5F11014	EPA 8260B	06/11/15 16:10	KKW	O-01
Methyl-tert-Butyl Ether [1634-04-4]^	0.0003	U	mg/kg dry	1	0.0003	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
o-Xylene [95-47-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Tetrachloroethene [127-18-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Toluene [108-88-3]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
trans-1,2-Dichloroethene [156-60-5]^	0.0007	U	mg/kg dry	1	0.0007	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
trans-1,3-Dichloropropene [10061-02-6]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Trichloroethene [79-01-6]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Trichlorofluoromethane [75-69-4]^	0.0005	U	mg/kg dry	1	0.0005	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Vinyl chloride [75-01-4]^	0.0004	U	mg/kg dry	1	0.0004	0.0010	5F11014	EPA 8260B	06/11/15 16:10	KKW	
Xylenes (Total) [1330-20-7]^	0.0010	U	mg/kg dry	1	0.0010	0.0020	5F11014	EPA 8260B	06/11/15 16:10	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*0.042*	*1*	*0.0499*	*85 %*	*71-126*	*5F11014*	*EPA 8260B*	*06/11/15 16:10*	*KKW*	
4-Bromofluorobenzene	*0.054*	*1*	*0.0583*	*93 %*	*71-126*	*5F15026*	*EPA 8260B*	*06/15/15 14:12*	*NMC*	
Dibromofluoromethane	*0.048*	*1*	*0.0499*	*96 %*	*72-133*	*5F11014*	*EPA 8260B*	*06/11/15 16:10*	*KKW*	
Dibromofluoromethane	*0.057*	*1*	*0.0583*	*98 %*	*72-133*	*5F15026*	*EPA 8260B*	*06/15/15 14:12*	*NMC*	
Toluene-d8	*0.049*	*1*	*0.0499*	*98 %*	*80-123*	*5F11014*	*EPA 8260B*	*06/11/15 16:10*	*KKW*	
Toluene-d8	*0.055*	*1*	*0.0583*	*95 %*	*80-123*	*5F15026*	*EPA 8260B*	*06/15/15 14:12*	*NMC*	

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ANALYTICAL RESULTS

Description: SB-9 @ 1'	**Lab Sample ID:** A503314-03	**Received:** 06/04/15 16:16
Matrix: Soil	**Sampled:** 06/03/15 14:15	**Work Order:** A503314
Project: GCRA-Power District, Parcel 4	**Sampled By:** Daniel Kelley	**% Solids:** 89.48

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1-Methylnaphthalene [90-12-0]^	0.021	U	mg/kg dry	1	0.021	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	QL-02
2-Methylnaphthalene [91-57-6]^	0.020	U	mg/kg dry	1	0.020	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Acenaphthene [83-32-9]^	0.017	U	mg/kg dry	1	0.017	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	QL-02
Acenaphthylene [208-96-8]^	0.020	U	mg/kg dry	1	0.020	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	QL-02
Anthracene [120-12-7]^	0.016	U	mg/kg dry	1	0.016	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Benzo(a)anthracene [56-55-3]^	0.016	U	mg/kg dry	1	0.016	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Benzo(a)pyrene [50-32-8]^	0.017	U	mg/kg dry	1	0.017	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.019	U	mg/kg dry	1	0.019	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	QL-02
Benzo(g,h,i)perylene [191-24-2]^	0.017	U	mg/kg dry	1	0.017	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.021	U	mg/kg dry	1	0.021	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Chrysene [218-01-9]^	0.013	U	mg/kg dry	1	0.013	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.018	U	mg/kg dry	1	0.018	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Fluoranthene [206-44-0]^	0.019	U	mg/kg dry	1	0.019	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Fluorene [86-73-7]^	0.019	U	mg/kg dry	1	0.019	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	QL-02
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.017	U	mg/kg dry	1	0.017	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Naphthalene [91-20-3]^	0.020	U	mg/kg dry	1	0.020	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Phenanthrene [85-01-8]^	0.017	U	mg/kg dry	1	0.017	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	
Pyrene [129-00-0]^	0.018	U	mg/kg dry	1	0.018	0.039	5F12002	EPA 8270D	06/12/15 17:49	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
p-Terphenyl	*2.1*	*1*	*2.19*	*96 %*	*50-150*	*5F12002*	*EPA 8270D*	*06/12/15 17:49*	*jfi*	

FL Petroleum Range Organics

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
TPH (C8-C40)^	**96**		mg/kg dry	1	3.8	6.4	5F05026	FL-PRO	06/08/15 22:56	JJB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
n-Nonatriacontane	*2.7*	*1*	*3.71*	*72 %*	*60-118*	*5F05026*	*FL-PRO*	*06/08/15 22:56*	*JJB*	
o-Terphenyl	*2.2*	*1*	*1.86*	*117 %*	*62-109*	*5F05026*	*FL-PRO*	*06/08/15 22:56*	*JJB*	*QM-14*

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	**0.0313**		mg/kg dry	1	0.00385	0.00986	5F05003	EPA 7471B	06/10/15 08:34	JAY	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2]^	0.481	U	mg/kg dry	1	0.481	0.559	5F09005	EPA 6010C	06/10/15 13:57	ACV	
Barium [7440-39-3]^	**10.4**		mg/kg dry	1	0.0224	0.559	5F09005	EPA 6010C	06/10/15 13:57	ACV	
Cadmium [7440-43-9]^	0.00715	U	mg/kg dry	1	0.00715	0.0559	5F09005	EPA 6010C	06/10/15 13:57	ACV	
Chromium [7440-47-3]^	**3.01**		mg/kg dry	1	0.0246	0.559	5F09005	EPA 6010C	06/10/15 13:57	ACV	
Lead [7439-92-1]^	**4.28**		mg/kg dry	1	0.134	0.559	5F09005	EPA 6010C	06/10/15 13:57	ACV	
Selenium [7782-49-2]^	0.179	U	mg/kg dry	1	0.179	2.24	5F09005	EPA 6010C	06/10/15 13:57	ACV	
Silver [7440-22-4]^	0.0548	U	mg/kg dry	1	0.0548	0.559	5F09005	EPA 6010C	06/10/15 13:57	ACV	

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ANALYTICAL RESULTS

Description: Disp-1	**Lab Sample ID:** A503314-04	**Received:** 06/04/15 16:16
Matrix: Sediment	**Sampled:** 06/04/15 09:50	**Work Order:** A503314
Project: GCRA-Power District, Parcel 4	**Sampled By:** Daniel Kelley	**% Solids:**

TCLP Volatile Organics by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1-Dichloroethene [75-35-4]^	0.09	U	mg/L	100	0.09	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	
1,2-Dichloroethane [107-06-2]^	0.06	U	mg/L	100	0.06	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	
2-Butanone [78-93-3]^	0.4	U	mg/L	100	0.4	0.5	5F09007	EPA 8260B	06/09/15 17:51	KKW	
Benzene [71-43-2]^	0.07	U	mg/L	100	0.07	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	
Carbon Tetrachloride [56-23-5]^	0.09	U	mg/L	100	0.09	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	
Chlorobenzene [108-90-7]^	0.07	U	mg/L	100	0.07	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	
Chloroform [67-66-3]^	0.08	U	mg/L	100	0.08	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	
Tetrachloroethene [127-18-4]^	0.08	U	mg/L	100	0.08	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	
Trichloroethene [79-01-6]^	0.09	U	mg/L	100	0.09	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	
Vinyl chloride [75-01-4]^	0.07	U	mg/L	100	0.07	0.1	5F09007	EPA 8260B	06/09/15 17:51	KKW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*0.046*	*1*	*0.0500*	*93 %*	*41-142*	*5F09007*	*EPA 8260B*	*06/09/15 17:51*	*KKW*	
Dibromofluoromethane	*0.048*	*1*	*0.0500*	*96 %*	*53-146*	*5F09007*	*EPA 8260B*	*06/09/15 17:51*	*KKW*	
Toluene-d8	*0.049*	*1*	*0.0500*	*98 %*	*41-146*	*5F09007*	*EPA 8260B*	*06/09/15 17:51*	*KKW*	

TCLP Metals by 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0002	U	mg/L	1	0.0002	0.002	5F04006	EPA 7470A	06/11/15 09:43	IR	

TCLP Metals by 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2]^	0.200	U	mg/L	1	0.200	0.250	5F10004	EPA 6010C	06/11/15 12:51	ACV	
Barium [7440-39-3]^	**0.362**		mg/L	1	0.00975	0.250	5F10004	EPA 6010C	06/11/15 12:51	ACV	
Cadmium [7440-43-9]^	0.00700	U	mg/L	1	0.00700	0.0250	5F10004	EPA 6010C	06/11/15 12:51	ACV	
Chromium [7440-47-3]^	0.0275	U	mg/L	1	0.0275	0.250	5F10004	EPA 6010C	06/11/15 12:51	ACV	
Lead [7439-92-1]^	0.0625	U	mg/L	1	0.0625	0.250	5F10004	EPA 6010C	06/11/15 12:51	ACV	
Selenium [7782-49-2]^	**0.242**	I	mg/L	1	0.205	1.00	5F10004	EPA 6010C	06/11/15 12:51	ACV	
Silver [7440-22-4]^	0.0135	U	mg/L	1	0.0135	0.250	5F10004	EPA 6010C	06/11/15 12:51	ACV	

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ANALYTICAL RESULTS

Description: TMW-1 | **Lab Sample ID:** A503314-05 | **Received:** 06/04/15 16:16

Matrix: Ground Water | **Sampled:** 06/04/15 11:04 | **Work Order:** A503314

Project: GCRA-Power District, Parcel 4 | **Sampled By:** Daniel Kelley

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Tetrachloroethene [127-18-4]^	**5.3**		ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5F15019	EPA 8260B	06/15/15 17:23	NMC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*35*	*1*	*50.0*	*71 %*	*41-142*	*5F15019*	*EPA 8260B*	*06/15/15 17:23*	*NMC*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*53-146*	*5F15019*	*EPA 8260B*	*06/15/15 17:23*	*NMC*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*41-146*	*5F15019*	*EPA 8260B*	*06/15/15 17:23*	*NMC*	

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ANALYTICAL RESULTS

Description: TMW-1 | **Lab Sample ID:** A503314-05 | **Received:** 06/04/15 16:16
Matrix: Ground Water | **Sampled:** 06/04/15 11:04 | **Work Order:** A503314
Project: GCRA-Power District, Parcel 4 | **Sampled By:** Daniel Kelley

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1-Methylnaphthalene [90-12-0]^	0.047	U	ug/L	1	0.047	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
2-Methylnaphthalene [91-57-6]^	0.044	U	ug/L	1	0.044	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Acenaphthene [83-32-9]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Acenaphthylene [208-96-8]^	0.036	U	ug/L	1	0.036	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Anthracene [120-12-7]^	0.036	U	ug/L	1	0.036	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Benzo(a)anthracene [56-55-3]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Benzo(a)pyrene [50-32-8]^	0.043	U	ug/L	1	0.043	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.059	U	ug/L	1	0.059	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Benzo(g,h,i)perylene [191-24-2]^	0.040	U	ug/L	1	0.040	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.046	U	ug/L	1	0.046	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Chrysene [218-01-9]^	0.051	U	ug/L	1	0.051	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.026	U	ug/L	1	0.026	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Fluoranthene [206-44-0]^	0.051	U	ug/L	1	0.051	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Fluorene [86-73-7]^	0.038	U	ug/L	1	0.038	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Naphthalene [91-20-3]^	0.035	U	ug/L	1	0.035	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Phenanthrene [85-01-8]^	0.039	U	ug/L	1	0.039	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	
Pyrene [129-00-0]^	0.048	U	ug/L	1	0.048	0.10	5F04028	EPA 8270D	06/11/15 14:49	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
p-Terphenyl	*8.4*	*1*	*5.71*	*146 %*	*66-136*	*5F04028*	*EPA 8270D*	*06/11/15 14:49*	*jfi*	*QS-03*

FL Petroleum Range Organics

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
TPH (C8-C40)^	0.10	U	mg/L	1	0.10	0.17	5F05013	FL-PRO	06/05/15 17:48	JJB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
n-Nonatriacontane	*0.099*	*1*	*0.104*	*95 %*	*42-193*	*5F05013*	*FL-PRO*	*06/05/15 17:48*	*JJB*	
o-Terphenyl	*0.051*	*1*	*0.0521*	*98 %*	*82-142*	*5F05013*	*FL-PRO*	*06/05/15 17:48*	*JJB*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	5F08008	EPA 7470A	06/11/15 08:11	IR	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2]^	8.00	U	ug/L	1	8.00	10.0	5F08006	EPA 6010C	06/09/15 15:19	ACV	
Barium [7440-39-3]^	**13.4**		ug/L	1	0.390	10.0	5F08006	EPA 6010C	06/09/15 15:19	ACV	
Cadmium [7440-43-9]^	0.280	U	ug/L	1	0.280	1.00	5F08006	EPA 6010C	06/09/15 15:19	ACV	
Chromium [7440-47-3]^	1.10	U	ug/L	1	1.10	10.0	5F08006	EPA 6010C	06/09/15 15:19	ACV	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	10.0	5F08006	EPA 6010C	06/09/15 15:19	ACV	
Selenium [7782-49-2]^	8.20	U	ug/L	1	8.20	40.0	5F08006	EPA 6010C	06/09/15 15:19	ACV	
Silver [7440-22-4]^	0.540	U	ug/L	1	0.540	10.0	5F08006	EPA 6010C	06/09/15 15:19	ACV	

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ANALYTICAL RESULTS

Description: TMW-2 | **Lab Sample ID:** A503314-06 | **Received:** 06/04/15 16:16

Matrix: Ground Water | **Sampled:** 06/04/15 11:59 | **Work Order:** A503314

Project: GCRA-Power District, Parcel 4 | **Sampled By:** Daniel Kelley

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5F15019	EPA 8260B	06/15/15 17:54	NMC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*77 %*	*41-142*	*5F15019*	*EPA 8260B*	*06/15/15 17:54*	*NMC*	
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*53-146*	*5F15019*	*EPA 8260B*	*06/15/15 17:54*	*NMC*	
Toluene-d8	*41*	*1*	*50.0*	*81 %*	*41-146*	*5F15019*	*EPA 8260B*	*06/15/15 17:54*	*NMC*	

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ANALYTICAL RESULTS

Description: TMW-2	**Lab Sample ID:** A503314-06	**Received:** 06/04/15 16:16
Matrix: Ground Water	**Sampled:** 06/04/15 11:59	**Work Order:** A503314
Project: GCRA-Power District, Parcel 4	**Sampled By:** Daniel Kelley	

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1-Methylnaphthalene [90-12-0]^	0.047	U	ug/L	1	0.047	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
2-Methylnaphthalene [91-57-6]^	0.044	U	ug/L	1	0.044	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Acenaphthene [83-32-9]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Acenaphthylene [208-96-8]^	0.036	U	ug/L	1	0.036	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Anthracene [120-12-7]^	0.036	U	ug/L	1	0.036	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Benzo(a)anthracene [56-55-3]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Benzo(a)pyrene [50-32-8]^	0.043	U	ug/L	1	0.043	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.059	U	ug/L	1	0.059	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Benzo(g,h,i)perylene [191-24-2]^	0.040	U	ug/L	1	0.040	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.046	U	ug/L	1	0.046	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Chrysene [218-01-9]^	0.051	U	ug/L	1	0.051	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.026	U	ug/L	1	0.026	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Fluoranthene [206-44-0]^	0.051	U	ug/L	1	0.051	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Fluorene [86-73-7]^	0.038	U	ug/L	1	0.038	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Naphthalene [91-20-3]^	0.035	U	ug/L	1	0.035	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Phenanthrene [85-01-8]^	0.039	U	ug/L	1	0.039	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	
Pyrene [129-00-0]^	0.048	U	ug/L	1	0.048	0.10	5F04028	EPA 8270D	06/11/15 15:11	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
p-Terphenyl	*5.3*	*1*	*5.71*	*93 %*	*66-136*	*5F04028*	*EPA 8270D*	*06/11/15 15:11*	*jfi*	

FL Petroleum Range Organics

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
TPH (C8-C40)^	0.10	U	mg/L	1	0.10	0.17	5F05013	FL-PRO	06/05/15 18:20	JJB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
n-Nonatriacontane	*0.10*	*1*	*0.102*	*103 %*	*42-193*	*5F05013*	*FL-PRO*	*06/05/15 18:20*	*JJB*	
o-Terphenyl	*0.053*	*1*	*0.0510*	*105 %*	*82-142*	*5F05013*	*FL-PRO*	*06/05/15 18:20*	*JJB*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	5F08008	EPA 7470A	06/11/15 06:48	IR	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2]^	8.00	U	ug/L	1	8.00	10.0	5F08006	EPA 6010C	06/09/15 15:22	ACV	
Barium [7440-39-3]^	**12.5**		ug/L	1	0.390	10.0	5F08006	EPA 6010C	06/09/15 15:22	ACV	
Cadmium [7440-43-9]^	**0.298**	I	ug/L	1	0.280	1.00	5F08006	EPA 6010C	06/09/15 15:22	ACV	
Chromium [7440-47-3]^	1.10	U	ug/L	1	1.10	10.0	5F08006	EPA 6010C	06/09/15 15:22	ACV	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	10.0	5F08006	EPA 6010C	06/09/15 15:22	ACV	
Selenium [7782-49-2]^	8.20	U	ug/L	1	8.20	40.0	5F08006	EPA 6010C	06/09/15 15:22	ACV	
Silver [7440-22-4]^	0.540	U	ug/L	1	0.540	10.0	5F08006	EPA 6010C	06/09/15 15:22	ACV	

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ANALYTICAL RESULTS

Description: TMW-3 | **Lab Sample ID:** A503314-07 | **Received:** 06/04/15 16:16

Matrix: Ground Water | **Sampled:** 06/04/15 12:49 | **Work Order:** A503314

Project: GCRA-Power District, Parcel 4 | **Sampled By:** Daniel Kelley

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5F15019	EPA 8260B	06/15/15 18:25	NMC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*81 %*	*41-142*	*5F15019*	*EPA 8260B*	*06/15/15 18:25*	*NMC*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*53-146*	*5F15019*	*EPA 8260B*	*06/15/15 18:25*	*NMC*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*41-146*	*5F15019*	*EPA 8260B*	*06/15/15 18:25*	*NMC*	

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ANALYTICAL RESULTS

Description: TMW-3 | **Lab Sample ID:** A503314-07 | **Received:** 06/04/15 16:16
Matrix: Ground Water | **Sampled:** 06/04/15 12:49 | **Work Order:** A503314
Project: GCRA-Power District, Parcel 4 | **Sampled By:** Daniel Kelley

Semivolatile Organic Compounds by GCMS SIM

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1-Methylnaphthalene [90-12-0]^	0.047	U	ug/L	1	0.047	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
2-Methylnaphthalene [91-57-6]^	0.044	U	ug/L	1	0.044	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Acenaphthene [83-32-9]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Acenaphthylene [208-96-8]^	0.036	U	ug/L	1	0.036	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Anthracene [120-12-7]^	0.036	U	ug/L	1	0.036	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Benzo(a)anthracene [56-55-3]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Benzo(a)pyrene [50-32-8]^	0.043	U	ug/L	1	0.043	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Benzo(b)fluoranthene [205-99-2]^	0.059	U	ug/L	1	0.059	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Benzo(g,h,i)perylene [191-24-2]^	0.040	U	ug/L	1	0.040	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Benzo(k)fluoranthene [207-08-9]^	0.046	U	ug/L	1	0.046	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Chrysene [218-01-9]^	0.051	U	ug/L	1	0.051	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Dibenzo(a,h)anthracene [53-70-3]^	0.026	U	ug/L	1	0.026	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Fluoranthene [206-44-0]^	0.051	U	ug/L	1	0.051	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Fluorene [86-73-7]^	0.038	U	ug/L	1	0.038	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Indeno(1,2,3-cd)pyrene [193-39-5]^	0.037	U	ug/L	1	0.037	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Naphthalene [91-20-3]^	0.035	U	ug/L	1	0.035	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Phenanthrene [85-01-8]^	0.039	U	ug/L	1	0.039	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	
Pyrene [129-00-0]^	0.048	U	ug/L	1	0.048	0.10	5F04028	EPA 8270D	06/11/15 15:32	jfi	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
p-Terphenyl	*4.9*	*1*	*5.71*	*85 %*	*66-136*	*5F04028*	*EPA 8270D*	*06/11/15 15:32*	*jfi*	

FL Petroleum Range Organics

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
TPH (C8-C40)^	0.10	U	mg/L	1	0.10	0.17	5F05013	FL-PRO	06/05/15 19:23	JJB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
n-Nonatriacontane	*0.092*	*1*	*0.104*	*89 %*	*42-193*	*5F05013*	*FL-PRO*	*06/05/15 19:23*	*JJB*	
o-Terphenyl	*0.048*	*1*	*0.0521*	*91 %*	*82-142*	*5F05013*	*FL-PRO*	*06/05/15 19:23*	*JJB*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6]^	0.0230	U	ug/L	1	0.0230	0.200	5F08008	EPA 7470A	06/11/15 08:14	IR	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2]^	8.00	U	ug/L	1	8.00	10.0	5F08006	EPA 6010C	06/09/15 15:25	ACV	
Barium [7440-39-3]^	**11.0**		ug/L	1	0.390	10.0	5F08006	EPA 6010C	06/09/15 15:25	ACV	
Cadmium [7440-43-9]^	0.280	U	ug/L	1	0.280	1.00	5F08006	EPA 6010C	06/09/15 15:25	ACV	
Chromium [7440-47-3]^	1.10	U	ug/L	1	1.10	10.0	5F08006	EPA 6010C	06/09/15 15:25	ACV	
Lead [7439-92-1]^	2.50	U	ug/L	1	2.50	10.0	5F08006	EPA 6010C	06/09/15 15:25	ACV	
Selenium [7782-49-2]^	**8.68**	I	ug/L	1	8.20	40.0	5F08006	EPA 6010C	06/09/15 15:25	ACV	
Silver [7440-22-4]^	0.540	U	ug/L	1	0.540	10.0	5F08006	EPA 6010C	06/09/15 15:25	ACV	

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ANALYTICAL RESULTS

Description: TRIP BLANK | **Lab Sample ID:** A503314-08 | **Received:** 06/04/15 16:16

Matrix: Water | **Sampled:** 06/03/15 00:00 | **Work Order:** A503314

Project: GCRA-Power District, Parcel 4 | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,1,2,2-Tetrachloroethane [79-34-5]^	0.54	U	ug/L	1	0.54	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,1,2-Trichloroethane [79-00-5]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,1-Dichloroethane [75-34-3]^	0.62	U	ug/L	1	0.62	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,1-Dichloroethene [75-35-4]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,2-Dichlorobenzene [95-50-1]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,2-Dichloroethane [107-06-2]^	0.63	U	ug/L	1	0.63	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,2-Dichloropropane [78-87-5]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,3-Dichlorobenzene [541-73-1]^	0.77	U	ug/L	1	0.77	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
1,4-Dichlorobenzene [106-46-7]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
2-Chloroethyl Vinyl Ether [110-75-8]^	1.9	U	ug/L	1	1.9	5.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Benzene [71-43-2]^	0.71	U	ug/L	1	0.71	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Bromodichloromethane [75-27-4]^	0.52	U	ug/L	1	0.52	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Bromoform [75-25-2]^	0.75	U	ug/L	1	0.75	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Bromomethane [74-83-9]^	0.95	U	ug/L	1	0.95	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Carbon tetrachloride [56-23-5]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Chlorobenzene [108-90-7]^	0.72	U	ug/L	1	0.72	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Chloroethane [75-00-3]^	0.98	U	ug/L	1	0.98	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Chloroform [67-66-3]^	0.80	U	ug/L	1	0.80	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Chloromethane [74-87-3]^	0.82	U	ug/L	1	0.82	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
cis-1,2-Dichloroethene [156-59-2]^	0.53	U	ug/L	1	0.53	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
cis-1,3-Dichloropropene [10061-01-5]^	0.59	U	ug/L	1	0.59	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Dibromochloromethane [124-48-1]^	0.44	U	ug/L	1	0.44	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Dichlorodifluoromethane [75-71-8]^	0.74	U	ug/L	1	0.74	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Ethylbenzene [100-41-4]^	0.69	U	ug/L	1	0.69	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
m,p-Xylenes [108-38-3/106-42-3]^	1.3	U	ug/L	1	1.3	2.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Methylene chloride [75-09-2]^	2.0	U	ug/L	1	2.0	5.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Methyl-tert-Butyl Ether [1634-04-4]^	0.60	U	ug/L	1	0.60	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
o-Xylene [95-47-6]^	0.53	U	ug/L	1	0.53	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Tetrachloroethene [127-18-4]^	0.76	U	ug/L	1	0.76	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Toluene [108-88-3]^	0.72	U	ug/L	1	0.72	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
trans-1,2-Dichloroethene [156-60-5]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
trans-1,3-Dichloropropene [10061-02-6]^	0.73	U	ug/L	1	0.73	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Trichloroethene [79-01-6]^	0.89	U	ug/L	1	0.89	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Trichlorofluoromethane [75-69-4]^	0.94	U	ug/L	1	0.94	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Vinyl chloride [75-01-4]^	0.71	U	ug/L	1	0.71	1.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	
Xylenes (Total) [1330-20-7]^	1.3	U	ug/L	1	1.3	2.0	5F15019	EPA 8260B	06/15/15 11:40	NMC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*81 %*	*41-142*	*5F15019*	*EPA 8260B*	*06/15/15 11:40*	*NMC*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*53-146*	*5F15019*	*EPA 8260B*	*06/15/15 11:40*	*NMC*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*41-146*	*5F15019*	*EPA 8260B*	*06/15/15 11:40*	*NMC*	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5F11014 - EPA 5035_MS

Blank (5F11014-BLK1) Prepared: 06/11/2015 00:00 Analyzed: 06/11/2015 11:59

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0004	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0005	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0006	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0005	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0006	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0005	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.0017	U	0.0050	mg/kg wet							
Benzene	0.0004	U	0.0010	mg/kg wet							
Bromodichloromethane	0.0005	U	0.0010	mg/kg wet							
Bromoform	0.0005	U	0.0010	mg/kg wet							
Bromomethane	0.0009	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0006	U	0.0010	mg/kg wet							
Chlorobenzene	0.0005	U	0.0010	mg/kg wet							
Chloroethane	0.0005	U	0.0010	mg/kg wet							
Chloroform	0.0004	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.0005	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Dibromochloromethane	0.0005	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.0006	U	0.0010	mg/kg wet							
Ethylbenzene	0.0006	U	0.0010	mg/kg wet							
m,p-Xylenes	0.0010	U	0.0020	mg/kg wet							
Methylene Chloride	0.0008	U	0.0020	mg/kg wet							
Methyl-tert-Butyl Ether	0.0003	U	0.0010	mg/kg wet							
o-Xylene	0.0005	U	0.0010	mg/kg wet							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5F11014 - EPA 5035_MS - Continued

Blank (5F11014-BLK1) Continued Prepared: 06/11/2015 00:00 Analyzed: 06/11/2015 11:59

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
Toluene	0.0005	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.0007	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Trichloroethene	0.0005	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0005	U	0.0010	mg/kg wet							
Vinyl chloride	0.0004	U	0.0010	mg/kg wet							
Xylenes (Total)	0.0010	U	0.0020	mg/kg wet							
4-Bromofluorobenzene	*0.045*			*mg/kg wet*	*0.0500*		*90*	*71-126*			
Dibromofluoromethane	*0.047*			*mg/kg wet*	*0.0500*		*94*	*72-133*			
Toluene-d8	*0.049*			*mg/kg wet*	*0.0500*		*97*	*80-123*			

LCS (5F11014-BS1) Prepared: 06/11/2015 00:00 Analyzed: 06/11/2015 10:57

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.017		0.0010	mg/kg wet	0.0200		85	22-166			
Benzene	0.017		0.0010	mg/kg wet	0.0200		83	49-142			
Chlorobenzene	0.016		0.0010	mg/kg wet	0.0200		78	45-147			
Toluene	0.017		0.0010	mg/kg wet	0.0200		84	55-136			
Trichloroethene	0.016		0.0010	mg/kg wet	0.0200		81	51-147			
4-Bromofluorobenzene	*0.044*			*mg/kg wet*	*0.0500*		*88*	*71-126*			
Dibromofluoromethane	*0.045*			*mg/kg wet*	*0.0500*		*89*	*72-133*			
Toluene-d8	*0.047*			*mg/kg wet*	*0.0500*		*94*	*80-123*			

LCS Dup (5F11014-BSD1) Prepared: 06/11/2015 00:00 Analyzed: 06/11/2015 11:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.018		0.0010	mg/kg wet	0.0200		89	22-166	5	23	
Benzene	0.018		0.0010	mg/kg wet	0.0200		91	49-142	9	19	
Chlorobenzene	0.017		0.0010	mg/kg wet	0.0200		87	45-147	11	18	
Toluene	0.018		0.0010	mg/kg wet	0.0200		92	55-136	10	21	
Trichloroethene	0.017		0.0010	mg/kg wet	0.0200		86	51-147	6	26	

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5F11014 - EPA 5035_MS - Continued

LCS Dup (5F11014-BSD1) Continued Prepared: 06/11/2015 00:00 Analyzed: 06/11/2015 11:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromofluorobenzene	*0.044*			*mg/kg wet*	*0.0500*		*87*	*71-126*			
Dibromofluoromethane	*0.044*			*mg/kg wet*	*0.0500*		*87*	*72-133*			
Toluene-d8	*0.048*			*mg/kg wet*	*0.0500*		*96*	*80-123*			

Batch 5F15019 - EPA 5030B_MS

Blank (5F15019-BLK1) Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 11:09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.80	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.76	U	1.0	ug/L							
1,1-Dichloroethane	0.62	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2-Dichlorobenzene	0.73	U	1.0	ug/L							
1,2-Dichloroethane	0.63	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,3-Dichlorobenzene	0.77	U	1.0	ug/L							
1,4-Dichlorobenzene	0.76	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.9	U	5.0	ug/L							
Benzene	0.71	U	1.0	ug/L							
Bromodichloromethane	0.52	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon tetrachloride	0.94	U	1.0	ug/L							
Chlorobenzene	0.72	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.80	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.53	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dichlorodifluoromethane	0.74	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	2.0	U	5.0	ug/L							
Methyl-tert-Butyl Ether	0.60	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.72	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.73	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.73	U	1.0	ug/L							
Trichloroethene	0.89	U	1.0	ug/L							
Trichlorofluoromethane	0.94	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.3	U	2.0	ug/L							
4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*79*	*41-142*			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5F15019 - EPA 5030B_MS - Continued

Blank (5F15019-BLK1) Continued Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 11:09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dibromofluoromethane	*41*			*ug/L*	*50.0*		*81*	*53-146*			
Toluene-d8	*40*			*ug/L*	*50.0*		*81*	*41-146*			

LCS (5F15019-BS1) Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 09:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0		124	47-139			
Benzene	23		1.0	ug/L	20.0		117	56-136			
Chlorobenzene	17		1.0	ug/L	20.0		86	51-139			
Toluene	20		1.0	ug/L	20.0		100	64-131			
Trichloroethene	19		1.0	ug/L	20.0		96	62-135			
4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*83*	*41-142*			
Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*53-146*			
Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*41-146*			

Matrix Spike (5F15019-MS1) Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 18:56

Source: A503043-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	29		1.0	ug/L	20.0	0.94 U	143	47-139			QM-07
Benzene	28		1.0	ug/L	20.0	0.71 U	139	56-136			QM-07
Chlorobenzene	18		1.0	ug/L	20.0	0.72 U	90	51-139			
Toluene	22		1.0	ug/L	20.0	0.72 U	109	64-131			
Trichloroethene	21		1.0	ug/L	20.0	0.89 U	103	62-135			
4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*41-142*			
Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*53-146*			
Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*41-146*			

Matrix Spike Dup (5F15019-MSD1) Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 19:27

Source: A503043-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	30		1.0	ug/L	20.0	0.94 U	152	47-139	6	16	QM-07
Benzene	28		1.0	ug/L	20.0	0.71 U	139	56-136	0.04	14	QM-07
Chlorobenzene	18		1.0	ug/L	20.0	0.72 U	88	51-139	1	13	
Toluene	20		1.0	ug/L	20.0	0.72 U	99	64-131	10	16	
Trichloroethene	22		1.0	ug/L	20.0	0.89 U	108	62-135	4	20	
4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*41-142*			
Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*53-146*			
Toluene-d8	*43*			*ug/L*	*50.0*		*87*	*41-146*			

Batch 5F15026 - EPA 5035_MS

Blank (5F15026-BLK1) Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 11:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.0004	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.0005	U	0.0010	mg/kg wet							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5F15026 - EPA 5035_MS - Continued

Blank (5F15026-BLK1) Continued Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 11:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,2-Trichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.0006	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.0006	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.0005	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.0006	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.0005	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.0004	U	0.0010	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.0017	U	0.0050	mg/kg wet							
Benzene	0.0004	U	0.0010	mg/kg wet							
Bromodichloromethane	0.0005	U	0.0010	mg/kg wet							
Bromoform	0.0005	U	0.0010	mg/kg wet							
Bromomethane	0.0009	U	0.0010	mg/kg wet							
Carbon Tetrachloride	0.0006	U	0.0010	mg/kg wet							
Chlorobenzene	0.0005	U	0.0010	mg/kg wet							
Chloroethane	0.0005	U	0.0010	mg/kg wet							
Chloroform	0.0004	U	0.0010	mg/kg wet							
Chloromethane	0.0006	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.0005	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Dibromochloromethane	0.0005	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.0006	U	0.0010	mg/kg wet							
Ethylbenzene	0.0006	U	0.0010	mg/kg wet							
m,p-Xylenes	0.0010	U	0.0020	mg/kg wet							
Methylene Chloride	0.0008	U	0.0020	mg/kg wet							
Methyl-tert-Butyl Ether	0.0003	U	0.0010	mg/kg wet							
o-Xylene	0.0005	U	0.0010	mg/kg wet							
Tetrachloroethene	0.0005	U	0.0010	mg/kg wet							
Toluene	0.0005	U	0.0010	mg/kg wet							

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5F15026 - EPA 5035_MS - Continued

Blank (5F15026-BLK1) Continued Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 11:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
trans-1,2-Dichloroethene	0.0007	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.0004	U	0.0010	mg/kg wet							
Trichloroethene	0.0005	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.0005	U	0.0010	mg/kg wet							
Vinyl chloride	0.0004	U	0.0010	mg/kg wet							
Xylenes (Total)	0.0010	U	0.0020	mg/kg wet							
4-Bromofluorobenzene	*0.048*			*mg/kg wet*	*0.0500*		*96*	*71-126*			
Dibromofluoromethane	*0.053*			*mg/kg wet*	*0.0500*		*105*	*72-133*			
Toluene-d8	*0.049*			*mg/kg wet*	*0.0500*		*97*	*80-123*			

LCS (5F15026-BS1) Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 10:42

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.021		0.0010	mg/kg wet	0.0200		105	22-166			
Benzene	0.019		0.0010	mg/kg wet	0.0200		97	49-142			
Chlorobenzene	0.018		0.0010	mg/kg wet	0.0200		91	45-147			
Toluene	0.019		0.0010	mg/kg wet	0.0200		94	55-136			
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200		98	51-147			
4-Bromofluorobenzene	*0.044*			*mg/kg wet*	*0.0500*		*88*	*71-126*			
Dibromofluoromethane	*0.050*			*mg/kg wet*	*0.0500*		*100*	*72-133*			
Toluene-d8	*0.047*			*mg/kg wet*	*0.0500*		*95*	*80-123*			

LCS Dup (5F15026-BSD1) Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 11:13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.020		0.0010	mg/kg wet	0.0200		102	22-166	2	23	
Benzene	0.020		0.0010	mg/kg wet	0.0200		98	49-142	0.9	19	
Chlorobenzene	0.021		0.0010	mg/kg wet	0.0200		103	45-147	13	18	
Toluene	0.022		0.0010	mg/kg wet	0.0200		108	55-136	14	21	
Trichloroethene	0.020		0.0010	mg/kg wet	0.0200		100	51-147	2	26	
4-Bromofluorobenzene	*0.059*			*mg/kg wet*	*0.0500*		*119*	*71-126*			

QUALITY CONTROL DATA

Volatile Organic Compounds by GCMS - Quality Control

Batch 5F15026 - EPA 5035_MS - Continued

LCS Dup (5F15026-BSD1) Continued Prepared: 06/15/2015 00:00 Analyzed: 06/15/2015 11:13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dibromofluoromethane	*0.049*			*mg/kg wet*	*0.0500*		*98*	*72-133*			
Toluene-d8	*0.048*			*mg/kg wet*	*0.0500*		*97*	*80-123*			

TCLP Volatile Organics by GCMS - Quality Control

Batch 5F09007 - EPA 5030B_MS

Blank (5F09007-BLK1) Prepared: 06/09/2015 00:00 Analyzed: 06/09/2015 09:07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.0009	U	0.001	mg/L							
1,2-Dichloroethane	0.0006	U	0.001	mg/L							
2-Butanone	0.004	U	0.005	mg/L							
Benzene	0.0007	U	0.001	mg/L							
Carbon Tetrachloride	0.0009	U	0.001	mg/L							
Chlorobenzene	0.0007	U	0.001	mg/L							
Chloroform	0.0008	U	0.001	mg/L							
Tetrachloroethene	0.0008	U	0.001	mg/L							
Trichloroethene	0.0009	U	0.001	mg/L							
Vinyl chloride	0.0007	U	0.001	mg/L							
4-Bromofluorobenzene	*0.047*			*mg/L*	*0.0500*		*93*	*41-142*			
Dibromofluoromethane	*0.049*			*mg/L*	*0.0500*		*98*	*53-146*			
Toluene-d8	*0.049*			*mg/L*	*0.0500*		*98*	*41-146*			

Blank (5F09007-BLK2) Prepared: 06/09/2015 00:00 Analyzed: 06/09/2015 17:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.09	U	0.1	mg/L							
1,2-Dichloroethane	0.06	U	0.1	mg/L							
2-Butanone	0.4	U	0.5	mg/L							
Benzene	0.07	U	0.1	mg/L							
Carbon Tetrachloride	0.09	U	0.1	mg/L							
Chlorobenzene	0.07	U	0.1	mg/L							
Chloroform	0.08	U	0.1	mg/L							
Tetrachloroethene	0.08	U	0.1	mg/L							
Trichloroethene	0.09	U	0.1	mg/L							
Vinyl chloride	0.07	U	0.1	mg/L							
4-Bromofluorobenzene	*0.047*			*mg/L*	*0.0500*		*95*	*41-142*			
Dibromofluoromethane	*0.048*			*mg/L*	*0.0500*		*96*	*53-146*			
Toluene-d8	*0.050*			*mg/L*	*0.0500*		*100*	*41-146*			

LCS (5F09007-BS1) Prepared: 06/09/2015 00:00 Analyzed: 06/09/2015 08:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.022		0.001	mg/L	0.0200		109	47-139			
Benzene	0.019		0.001	mg/L	0.0200		95	56-136			
Chlorobenzene	0.018		0.001	mg/L	0.0200		89	51-139			

QUALITY CONTROL DATA

TCLP Volatile Organics by GCMS - Quality Control

Batch 5F09007 - EPA 5030B_MS - Continued

LCS (5F09007-BS1) Continued Prepared: 06/09/2015 00:00 Analyzed: 06/09/2015 08:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	0.020		0.001	mg/L	0.0200		99	62-135			
4-Bromofluorobenzene	*0.047*			*mg/L*	*0.0500*		*93*	*41-142*			
Dibromofluoromethane	*0.049*			*mg/L*	*0.0500*		*99*	*53-146*			
Toluene-d8	*0.049*			*mg/L*	*0.0500*		*97*	*41-146*			

Matrix Spike (5F09007-MS1) Prepared: 06/09/2015 00:00 Analyzed: 06/09/2015 18:21

Source: A502945-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.026		0.001	mg/L	0.0200	0.0009 U	128	47-139			
Benzene	0.023		0.001	mg/L	0.0200	0.00083	112	56-136			
Chlorobenzene	0.021		0.001	mg/L	0.0200	0.0007 U	103	51-139			
Trichloroethene	0.023		0.001	mg/L	0.0200	0.0009 U	115	62-135			
4-Bromofluorobenzene	*0.049*			*mg/L*	*0.0500*		*97*	*41-142*			
Dibromofluoromethane	*0.049*			*mg/L*	*0.0500*		*98*	*53-146*			
Toluene-d8	*0.050*			*mg/L*	*0.0500*		*100*	*41-146*			

Matrix Spike Dup (5F09007-MSD1) Prepared: 06/09/2015 00:00 Analyzed: 06/09/2015 18:51

Source: A502945-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	0.027		0.001	mg/L	0.0200	0.0009 U	134	47-139	4	16	
Benzene	0.023		0.001	mg/L	0.0200	0.00083	110	56-136	2	14	
Chlorobenzene	0.020		0.001	mg/L	0.0200	0.0007 U	102	51-139	1	13	
Trichloroethene	0.023		0.001	mg/L	0.0200	0.0009 U	113	62-135	2	20	
4-Bromofluorobenzene	*0.046*			*mg/L*	*0.0500*		*93*	*41-142*			
Dibromofluoromethane	*0.049*			*mg/L*	*0.0500*		*98*	*53-146*			
Toluene-d8	*0.050*			*mg/L*	*0.0500*		*101*	*41-146*			

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 5F04028 - EPA 3511_MS

Blank (5F04028-BLK1) Prepared: 06/04/2015 15:30 Analyzed: 06/05/2015 11:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1-Methylnaphthalene	0.047	U	0.10	ug/L							QV-01
2-Methylnaphthalene	0.044	U	0.10	ug/L							QV-01
Acenaphthene	0.037	U	0.10	ug/L							
Acenaphthylene	0.036	U	0.10	ug/L							QV-01
Anthracene	0.036	U	0.10	ug/L							
Benzo(a)anthracene	0.037	U	0.10	ug/L							
Benzo(a)pyrene	0.043	U	0.10	ug/L							
Benzo(b)fluoranthene	0.059	U	0.10	ug/L							
Benzo(g,h,i)perylene	0.040	U	0.10	ug/L							
Benzo(k)fluoranthene	0.046	U	0.10	ug/L							
Chrysene	0.051	U	0.10	ug/L							
Dibenzo(a,h)anthracene	0.026	U	0.10	ug/L							
Fluoranthene	0.051	U	0.10	ug/L							
Fluorene	0.038	U	0.10	ug/L							

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 5F04028 - EPA 3511_MS - Continued

Blank (5F04028-BLK1) Continued Prepared: 06/04/2015 15:30 Analyzed: 06/05/2015 11:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Indeno(1,2,3-cd)pyrene	0.037	U	0.10	ug/L							
Naphthalene	0.035	U	0.10	ug/L							
Phenanthrene	0.039	U	0.10	ug/L							
Pyrene	0.048	U	0.10	ug/L							
p-Terphenyl	*7.2*			*ug/L*	*5.71*		*125*	*66-136*			

LCS (5F04028-BS1) Prepared: 06/04/2015 15:30 Analyzed: 06/05/2015 12:05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	6.6		0.10	ug/L	5.71		116	80-120			
Benzo(a)pyrene	6.2		0.10	ug/L	5.71		108	73-149			
Benzo(g,h,i)perylene	6.5		0.10	ug/L	5.71		114	57-124			
Naphthalene	5.5		0.10	ug/L	5.71		96	68-120			
p-Terphenyl	*7.1*			*ug/L*	*5.71*		*125*	*66-136*			

Matrix Spike (5F04028-MS1) Prepared: 06/04/2015 15:30 Analyzed: 06/05/2015 11:44

Source: A503282-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	6.7		0.10	ug/L	5.71	0.037 U	118	80-120			
Benzo(a)pyrene	6.6		0.10	ug/L	5.71	0.043 U	116	73-149			
Benzo(g,h,i)perylene	6.9		0.10	ug/L	5.71	0.040 U	120	57-124			
Naphthalene	5.7		0.10	ug/L	5.71	0.035 U	100	68-120			
p-Terphenyl	*7.0*			*ug/L*	*5.71*		*122*	*66-136*			

Matrix Spike Dup (5F04028-MSD1) Prepared: 06/04/2015 15:30 Analyzed: 06/05/2015 12:27

Source: A503282-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	7.7		0.10	ug/L	5.71	0.037 U	134	80-120	13	25	QM-07
Benzo(a)pyrene	7.0		0.10	ug/L	5.71	0.043 U	122	73-149	5	25	
Benzo(g,h,i)perylene	7.0		0.10	ug/L	5.71	0.040 U	123	57-124	2	25	
Naphthalene	6.6		0.10	ug/L	5.71	0.035 U	115	68-120	15	25	
p-Terphenyl	*7.2*			*ug/L*	*5.71*		*126*	*66-136*			

Batch 5F12002 - EPA 3550C_MS

Blank (5F12002-BLK1) Prepared: 06/12/2015 07:00 Analyzed: 06/12/2015 15:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1-Methylnaphthalene	0.019	U	0.035	mg/kg wet							
2-Methylnaphthalene	0.018	U	0.035	mg/kg wet							
Acenaphthene	0.015	U	0.035	mg/kg wet							
Acenaphthylene	0.018	U	0.035	mg/kg wet							
Anthracene	0.014	U	0.035	mg/kg wet							

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 5F12002 - EPA 3550C_MS - Continued

Blank (5F12002-BLK1) Continued Prepared: 06/12/2015 07:00 Analyzed: 06/12/2015 15:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(a)anthracene	0.014	U	0.035	mg/kg wet							
Benzo(a)pyrene	0.015	U	0.035	mg/kg wet							
Benzo(b)fluoranthene	0.017	U	0.035	mg/kg wet							
Benzo(g,h,i)perylene	0.015	U	0.035	mg/kg wet							
Benzo(k)fluoranthene	0.019	U	0.035	mg/kg wet							
Chrysene	0.012	U	0.035	mg/kg wet							
Dibenzo(a,h)anthracene	0.016	U	0.035	mg/kg wet							
Fluoranthene	0.017	U	0.035	mg/kg wet							
Fluorene	0.017	U	0.035	mg/kg wet							
Indeno(1,2,3-cd)pyrene	0.015	U	0.035	mg/kg wet							
Naphthalene	0.018	U	0.035	mg/kg wet							
Phenanthrene	0.015	U	0.035	mg/kg wet							
Pyrene	0.016	U	0.035	mg/kg wet							
p-Terphenyl	*2.0*			*mg/kg wet*	*2.00*		*101*	*50-150*			

LCS (5F12002-BS1) Prepared: 06/12/2015 07:00 Analyzed: 06/12/2015 15:57

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	2.2		0.035	mg/kg wet	2.00		109	39-106			QL-02
Benzo(a)pyrene	2.0		0.035	mg/kg wet	2.00		101	60-118			
Benzo(g,h,i)perylene	2.1		0.035	mg/kg wet	2.00		107	50-117			
Naphthalene	1.8		0.035	mg/kg wet	2.00		92	34-95			
p-Terphenyl	*2.1*			*mg/kg wet*	*2.00*		*103*	*50-150*			

Matrix Spike (5F12002-MS1) Prepared: 06/12/2015 07:00 Analyzed: 06/12/2015 16:18

Source: A503314-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	2.3		0.037	mg/kg dry	2.10	0.016 U	108	39-106			J-02
Benzo(a)pyrene	2.2		0.037	mg/kg dry	2.10	0.016 U	102	60-118			
Benzo(g,h,i)perylene	2.1		0.037	mg/kg dry	2.10	0.016 U	98	50-117			
Naphthalene	1.9		0.037	mg/kg dry	2.10	0.019 U	93	34-95			
p-Terphenyl	*1.6*			*mg/kg dry*	*2.10*		*77*	*50-150*			

QUALITY CONTROL DATA

Semivolatile Organic Compounds by GCMS SIM - Quality Control

Batch 5F12002 - EPA 3550C_MS - Continued

Matrix Spike Dup (5F12002-MSD1) Prepared: 06/12/2015 07:00 Analyzed: 06/12/2015 16:40

Source: A503314-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	2.2		0.037	mg/kg dry	2.10	0.016 U	105	39-106	3	30	
Benzo(a)pyrene	2.0		0.037	mg/kg dry	2.10	0.016 U	94	60-118	9	30	
Benzo(g,h,i)perylene	2.3		0.037	mg/kg dry	2.10	0.016 U	108	50-117	9	30	
Naphthalene	1.8		0.037	mg/kg dry	2.10	0.019 U	85	34-95	8	30	
p-Terphenyl	*2.0*			*mg/kg dry*	*2.10*		*97*	*50-150*			

FL Petroleum Range Organics - Quality Control

Batch 5F05013 - EPA 3510C

Blank (5F05013-BLK1) Prepared: 06/05/2015 09:12 Analyzed: 06/05/2015 17:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPH (C8-C40)	0.10	U	0.17	mg/L							
n-Nonatriacontane	*0.12*			*mg/L*	*0.100*		*123*	*42-193*			
o-Terphenyl	*0.048*			*mg/L*	*0.0500*		*97*	*82-142*			

LCS (5F05013-BS1) Prepared: 06/05/2015 09:12 Analyzed: 06/05/2015 14:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPH (C8-C40)	1.9		0.17	mg/L	1.70		109	55-118			
n-Nonatriacontane	*0.077*			*mg/L*	*0.100*		*77*	*42-193*			
o-Terphenyl	*0.054*			*mg/L*	*0.0500*		*107*	*82-142*			

Matrix Spike (5F05013-MS1) Prepared: 06/05/2015 09:12 Analyzed: 06/05/2015 15:42

Source: A503282-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPH (C8-C40)	2.0		0.17	mg/L	1.70	0.10 U	119	41-101			QM-07
n-Nonatriacontane	*0.053*			*mg/L*	*0.100*		*53*	*42-193*			
o-Terphenyl	*0.062*			*mg/L*	*0.0500*		*124*	*82-142*			

Matrix Spike Dup (5F05013-MSD1) Prepared: 06/05/2015 09:12 Analyzed: 06/05/2015 16:13

Source: A503282-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPH (C8-C40)	1.8		0.17	mg/L	1.70	0.10 U	107	41-101	11	20	QM-07
n-Nonatriacontane	*0.042*			*mg/L*	*0.100*		*42*	*42-193*			
o-Terphenyl	*0.058*			*mg/L*	*0.0500*		*116*	*82-142*			

Batch 5F05026 - EPA 3550C

Blank (5F05026-BLK1) Prepared: 06/05/2015 14:00 Analyzed: 06/08/2015 09:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPH (C8-C40)	3.4	U	5.7	mg/kg wet							
n-Nonatriacontane	*3.6*			*mg/kg wet*	*3.33*		*108*	*60-118*			

QUALITY CONTROL DATA

FL Petroleum Range Organics - Quality Control

Batch 5F05026 - EPA 3550C - Continued

Blank (5F05026-BLK1) Continued Prepared: 06/05/2015 14:00 Analyzed: 06/08/2015 09:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
o-Terphenyl	*1.6*			*mg/kg wet*	*1.67*		*94*	*62-109*			

LCS (5F05026-BS1) Prepared: 06/05/2015 14:00 Analyzed: 06/08/2015 10:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPH (C8-C40)	64		5.7	mg/kg wet	56.7		112	63-153			
n-Nonatriacontane	*2.3*			*mg/kg wet*	*3.33*		*70*	*60-118*			
o-Terphenyl	*1.9*			*mg/kg wet*	*1.67*		*111*	*62-109*			*QS-03*

Matrix Spike (5F05026-MS1) Prepared: 06/05/2015 14:00 Analyzed: 06/08/2015 18:44

Source: A503041-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPH (C8-C40)	220		6.2	mg/kg dry	61.9	170	79	62-204			
n-Nonatriacontane	*3.4*			*mg/kg dry*	*3.64*		*95*	*60-118*			
o-Terphenyl	*2.1*			*mg/kg dry*	*1.82*		*118*	*62-109*			*QS-06*

Matrix Spike Dup (5F05026-MSD1) Prepared: 06/05/2015 14:00 Analyzed: 06/08/2015 19:16

Source: A503041-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPH (C8-C40)	280		6.2	mg/kg dry	61.9	170	174	62-204	23	25	
n-Nonatriacontane	*2.5*			*mg/kg dry*	*3.64*		*68*	*60-118*			
o-Terphenyl	*2.1*			*mg/kg dry*	*1.82*		*118*	*62-109*			*QS-06*

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 5F05003 - EPA 7471B

Blank (5F05003-BLK1) Prepared: 06/09/2015 12:07 Analyzed: 06/10/2015 06:57

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00390	U	0.0100	mg/kg wet							

LCS (5F05003-BS1) Prepared: 06/09/2015 12:07 Analyzed: 06/10/2015 07:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.602		0.0100	mg/kg wet	0.600		100	80-120			

Matrix Spike (5F05003-MS1) Prepared: 06/09/2015 12:07 Analyzed: 06/10/2015 07:07

Source: A503448-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.592		0.00976	mg/kg dry	0.586	0.0147	99	80-120			

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 5F05003 - EPA 7471B - Continued

Matrix Spike Dup (5F05003-MSD1) Prepared: 06/09/2015 12:07 Analyzed: 06/10/2015 07:11

Source: A503448-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.572		0.00947	mg/kg dry	0.568	0.0147	98	80-120	4	20	

Batch 5F08008 - EPA 7470A

Blank (5F08008-BLK1) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							

Blank (5F08008-BLK2) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:42

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0230	U	0.200	ug/L							

LCS (5F08008-BS1) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.97		0.200	ug/L	5.00		99	80-120			

Matrix Spike (5F08008-MS1) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:51

Source: A503314-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.30		0.200	ug/L	5.00	0.0230 U	106	75-125			

Matrix Spike Dup (5F08008-MSD1) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:54

Source: A503314-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.36		0.200	ug/L	5.00	0.0230 U	107	75-125	1	20	

Post Spike (5F08008-PS1) Prepared: 06/11/2015 06:00 Analyzed: 06/11/2015 06:57

Source: A503314-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.39		0.200	ug/L	5.61	-0.0187	96	80-120			

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 5F04006 - EPA 7470A

Blank (5F04006-BLK1) Prepared: 06/10/2015 11:43 Analyzed: 06/11/2015 08:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00002	U	0.0002	mg/L							

Blank (5F04006-BLK2) Prepared: 06/10/2015 11:43 Analyzed: 06/11/2015 08:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0002	U	0.002	mg/L							

QUALITY CONTROL DATA

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 5F04006 - EPA 7470A - Continued

LCS (5F04006-BS1) Prepared: 06/10/2015 11:43 Analyzed: 06/11/2015 08:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005		0.0002	mg/L	0.00500		102	80-120			

Matrix Spike (5F04006-MS1) Prepared: 06/10/2015 11:43 Analyzed: 06/11/2015 08:39

Source: A503444-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005		0.0002	mg/L	0.00500	0.00002 U	99	75-125			

Matrix Spike Dup (5F04006-MSD1) Prepared: 06/10/2015 11:43 Analyzed: 06/11/2015 08:42

Source: A503444-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005		0.0002	mg/L	0.00500	0.00002 U	101	75-125	2	20	

Post Spike (5F04006-PS1) Prepared: 06/11/2015 06:00 Analyzed: 06/11/2015 08:45

Source: A503444-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.36		0.200	ug/L	5.61	-0.013	96	80-120			

Batch 5F08008 - EPA 7470A

Blank (5F08008-BLK1) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00002	U	0.0002	mg/L							

Blank (5F08008-BLK2) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:42

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.00002	U	0.0002	mg/L							

LCS (5F08008-BS1) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:45

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005		0.0002	mg/L	0.00500		99	80-120			

Matrix Spike (5F08008-MS1) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:51

Source: A503314-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005		0.0002	mg/L	0.00500	0.00002 U	106	75-125			

Matrix Spike Dup (5F08008-MSD1) Prepared: 06/10/2015 11:45 Analyzed: 06/11/2015 06:54

Source: A503314-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005		0.0002	mg/L	0.00500	0.00002 U	107	75-125	1	20	

Post Spike (5F08008-PS1) Prepared: 06/11/2015 06:00 Analyzed: 06/11/2015 06:57

Source: A503314-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL DATA

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 5F08008 - EPA 7470A - Continued

Post Spike (5F08008-PS1) Continued Prepared: 06/11/2015 06:00 Analyzed: 06/11/2015 06:57

Source: A503314-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.39		0.200	ug/L	5.61	-0.019	96	80-120			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 5F09005 - EPA 3050B

Blank (5F09005-BLK1) Prepared: 06/09/2015 09:37 Analyzed: 06/10/2015 13:06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.768	U	0.893	mg/kg wet							
Barium	0.0357	U	0.893	mg/kg wet							
Cadmium	0.0114	U	0.0893	mg/kg wet							
Chromium	0.0393	U	0.893	mg/kg wet							
Lead	0.214	U	0.893	mg/kg wet							
Selenium	0.286	U	3.57	mg/kg wet							
Silver	0.0875	U	0.893	mg/kg wet							

LCS (5F09005-BS1) Prepared: 06/09/2015 09:37 Analyzed: 06/10/2015 13:09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	42.2		0.893	mg/kg wet	44.6		95	80-120			
Barium	45.5		0.893	mg/kg wet	44.6		102	80-120			
Cadmium	4.53		0.0893	mg/kg wet	4.46		101	80-120			
Chromium	45.6		0.893	mg/kg wet	44.6		102	80-120			
Lead	45.4		0.893	mg/kg wet	44.6		102	80-120			
Selenium	41.7		3.57	mg/kg wet	44.6		93	80-120			
Silver	9.01		0.893	mg/kg wet	8.93		101	80-120			

Matrix Spike (5F09005-MS1) Prepared: 06/09/2015 09:37 Analyzed: 06/10/2015 13:16

Source: B502429-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	30.2		0.657	mg/kg dry	32.8	0.565 U	92	75-125			
Barium	37.1		0.657	mg/kg dry	32.8	2.97	104	75-125			
Cadmium	3.39		0.0657	mg/kg dry	3.28	0.0558	102	75-125			
Chromium	35.2		0.657	mg/kg dry	32.8	1.22	104	75-125			
Lead	34.6		0.657	mg/kg dry	32.8	0.719	103	75-125			
Selenium	29.8		2.63	mg/kg dry	32.8	0.210 U	91	75-125			
Silver	6.68		0.657	mg/kg dry	6.57	0.0643 U	102	75-125			

QUALITY CONTROL DATA

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 5F09005 - EPA 3050B - Continued

Matrix Spike Dup (5F09005-MSD1) Prepared: 06/09/2015 09:37 Analyzed: 06/10/2015 13:18

Source: B502429-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	30.2		0.665	mg/kg dry	33.2	0.572 U	91	75-125	0.08	30	
Barium	36.2		0.665	mg/kg dry	33.2	2.97	100	75-125	2	30	
Cadmium	3.36		0.0665	mg/kg dry	3.32	0.0558	99	75-125	1	30	
Chromium	34.7		0.665	mg/kg dry	33.2	1.22	101	75-125	1	30	
Lead	34.4		0.665	mg/kg dry	33.2	0.719	101	75-125	0.5	30	
Selenium	29.6		2.66	mg/kg dry	33.2	0.213 U	89	75-125	0.7	30	
Silver	6.53		0.665	mg/kg dry	6.65	0.0652 U	98	75-125	2	30	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 5F08006 - EPA 3005A

Blank (5F08006-BLK1) Prepared: 06/08/2015 09:33 Analyzed: 06/09/2015 14:59

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	8.00	U	10.0	ug/L							
Barium	0.390	U	10.0	ug/L							
Cadmium	0.280	U	1.00	ug/L							
Chromium	1.10	U	10.0	ug/L							
Lead	2.50	U	10.0	ug/L							
Selenium	8.20	U	40.0	ug/L							
Silver	0.540	U	10.0	ug/L							

LCS (5F08006-BS1) Prepared: 06/08/2015 09:33 Analyzed: 06/09/2015 15:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	492		10.0	ug/L	500		98	80-120			
Barium	504		10.0	ug/L	500		101	80-120			
Cadmium	50.6		1.00	ug/L	50.0		101	80-120			
Chromium	505		10.0	ug/L	500		101	80-120			
Lead	507		10.0	ug/L	500		101	80-120			
Selenium	506		40.0	ug/L	500		101	80-120			
Silver	102		10.0	ug/L	100		102	80-120			

Matrix Spike (5F08006-MS1) Prepared: 06/08/2015 09:33 Analyzed: 06/09/2015 15:04

Source: B502435-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	501		10.0	ug/L	500	8.00 U	100	75-125			
Barium	610		10.0	ug/L	500	116	99	75-125			
Cadmium	49.9		1.00	ug/L	50.0	0.281	99	75-125			
Chromium	500		10.0	ug/L	500	1.15	100	75-125			
Lead	504		10.0	ug/L	500	2.50 U	101	75-125			
Selenium	327		40.0	ug/L	500	8.20 U	65	75-125			QM-07
Silver	203		10.0	ug/L	200	0.540 U	102	75-125			

Matrix Spike Dup (5F08006-MSD1) Prepared: 06/08/2015 09:33 Analyzed: 06/09/2015 15:06

Source: B502435-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	491		10.0	ug/L	500	8.00 U	98	75-125	2	20	

QUALITY CONTROL DATA

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 5F08006 - EPA 3005A - Continued

Matrix Spike Dup (5F08006-MSD1) Continued Prepared: 06/08/2015 09:33 Analyzed: 06/09/2015 15:06

Source: B502435-08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Barium	609		10.0	ug/L	500	116	98	75-125	0.2	20	
Cadmium	49.4		1.00	ug/L	50.0	0.281	98	75-125	0.9	20	
Chromium	501		10.0	ug/L	500	1.15	100	75-125	0.2	20	
Lead	501		10.0	ug/L	500	2.50 U	100	75-125	0.5	20	
Selenium	312		40.0	ug/L	500	8.20 U	62	75-125	5	20	QM-07
Silver	100		10.0	ug/L	100	0.540 U	100	75-125	68	20	QM-11

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 5F10004 - EPA 3010A

Blank (5F10004-BLK1) Prepared: 06/10/2015 09:30 Analyzed: 06/11/2015 12:37

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.00800	U	0.0100	mg/L							
Barium	0.000390	U	0.0100	mg/L							
Cadmium	0.000280	U	0.00100	mg/L							
Chromium	0.00110	U	0.0100	mg/L							
Lead	0.00250	U	0.0100	mg/L							
Selenium	0.00820	U	0.0400	mg/L							
Silver	0.000540	U	0.0100	mg/L							

Blank (5F10004-BLK2) Prepared: 06/10/2015 09:30 Analyzed: 06/11/2015 12:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.200	U	0.250	mg/L							
Barium	0.00975	U	0.250	mg/L							
Cadmium	0.00700	U	0.0250	mg/L							
Chromium	0.0275	U	0.250	mg/L							
Lead	0.0625	U	0.250	mg/L							
Selenium	0.205	U	1.00	mg/L							
Silver	0.0135	U	0.250	mg/L							

LCS (5F10004-BS1) Prepared: 06/10/2015 09:30 Analyzed: 06/11/2015 12:46

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.487		0.0100	mg/L	0.500		97	80-120			
Barium	0.515		0.0100	mg/L	0.500		103	80-120			
Cadmium	0.0512		0.00100	mg/L	0.0500		102	80-120			
Chromium	0.513		0.0100	mg/L	0.500		103	80-120			
Lead	0.519		0.0100	mg/L	0.500		104	80-120			
Selenium	0.494		0.0400	mg/L	0.500		99	80-120			
Silver	0.101		0.0100	mg/L	0.100		101	80-120			

Matrix Spike (5F10004-MS1) Prepared: 06/10/2015 09:30 Analyzed: 06/11/2015 12:47

Source: A503314-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	12.2		0.250	mg/L	12.5	0.200 U	98	75-125			
Barium	12.9		0.250	mg/L	12.5	0.362	100	75-125			

QUALITY CONTROL DATA

TCLP Metals by 6000/7000 Series Methods - Quality Control

Batch 5F10004 - EPA 3010A - Continued

Matrix Spike (5F10004-MS1) Continued Prepared: 06/10/2015 09:30 Analyzed: 06/11/2015 12:47

Source: A503314-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	1.26		0.0250	mg/L	1.25	0.00700 U	101	75-125			
Chromium	12.6		0.250	mg/L	12.5	0.0275 U	101	75-125			
Lead	12.8		0.250	mg/L	12.5	0.0625 U	102	75-125			
Selenium	12.3		1.00	mg/L	12.5	0.242	96	75-125			
Silver	2.54		0.250	mg/L	2.50	0.0135 U	101	75-125			

Matrix Spike Dup (5F10004-MSD1) Prepared: 06/10/2015 09:30 Analyzed: 06/11/2015 12:49

Source: A503314-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	11.7		0.250	mg/L	12.5	0.200 U	93	75-125	4	20	
Barium	12.5		0.250	mg/L	12.5	0.362	97	75-125	3	20	
Cadmium	1.21		0.0250	mg/L	1.25	0.00700 U	97	75-125	4	20	
Chromium	12.2		0.250	mg/L	12.5	0.0275 U	98	75-125	3	20	
Lead	12.4		0.250	mg/L	12.5	0.0625 U	99	75-125	3	20	
Selenium	11.9		1.00	mg/L	12.5	0.242	93	75-125	3	20	
Silver	2.45		0.250	mg/L	2.50	0.0135 U	98	75-125	3	20	

SPLP Metals by 6000/7000 Series Methods - Quality Control

Batch 5F25003 - EPA 3010A

Blank (5F25003-BLK1) Prepared: 06/25/2015 10:38 Analyzed: 06/26/2015 10:31

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	2.50	U	10.0	ug/L							

Blank (5F25003-BLK2) Prepared: 06/25/2015 10:38 Analyzed: 06/26/2015 10:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	2.50	U	10.0	ug/L							

LCS (5F25003-BS1) Prepared: 06/25/2015 10:38 Analyzed: 06/26/2015 10:43

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	508		10.0	ug/L	500		102	80-120			

Matrix Spike (5F25003-MS1) Prepared: 06/25/2015 10:38 Analyzed: 06/26/2015 10:45

Source: B502632-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	13000		250	ug/L	12500	532	100	75-125			

Matrix Spike Dup (5F25003-MSD1) Prepared: 06/25/2015 10:38 Analyzed: 06/26/2015 10:47

Source: B502632-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	12900		250	ug/L	12500	532	99	75-125	0.7	20	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*****	Not reported due to interference.
J-02	Result is estimated due to bias in the associated laboratory control sample (LCS).
O-01	This compound is a common laboratory contaminant.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QM-14	Confirmed matrix effects
QS-03	Surrogate recovery outside acceptance limits
QS-06	Surrogate recovery exceeded acceptance criteria due to the presence of a coeluting compound. This is a confirmed matrix effect.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 111 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515
www.encolabs.com

Client Name: PSI (PS001)	Project Number: 0663-2483
Address: 1748 33rd St.	Project Name/Desc: GCRA-Power District, Parcel 4
City/ST/Zip: Orlando, FL 32839	PO # / Billing Info:
Tel: (407) 304-5560 Fax: (407) 304-5561	Reporting Contact: Jennifer Hamilton
Sampler(s) Name, Affiliation (Print): Daniel Kelley PSI	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone:

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. X Standard ___ Expedited. Due __/__/__

Lab Workorder: A503314

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Arom/Halo	8270D PAH SIM	FLPRO	RCRA8 Metals (Ag,As,Ba,Cd,Cr,Hg,Pb,Se)	RCRA 8 Metals Dissolved (Ag,As,Ba,Cd,Cr,Hg,Pb,Se)	TCLP 8260B	TCLP Metals (Ag,As,Ba,Cd,Cr,Hg,Pb,Se)				Sample Comments
1	SB-1 @ 1'	6/3/15	1345	Grab	SO	5	X	X	X	X							Hold dissolved samples
2	SB-6 @ 1'	|	1400	|	|	5	X	X	X	X							
3	SB-9 @ 1'	|	1415	|	|	5	X	X	X	X							
4	Disp-1	6/4/15	0950	|	SE	2						X	X				
5	TMW-1	|	1104	|	GW	8	X	X	X	X	X						
6	TMW-2	|	1159	|	|	8	X	X	X	X	X						
7	TMW-3	|	1249	|	|	8	X	X	X	X	X						
8	Trip Blank	—	—	—	DI	2	X										

<-- Total # of Containers

Sample Kit Prepared By: SPR	Date/Time: 05/29/15 1540	Relinquished By:	Date/Time: 05/29/15 1540
Comments/Special Reporting Requirements:		Relinquished By:	Date/Time: 6/4/15 1616
		Relinquished By:	Date/Time:

Received By:	Date/Time: 5/29/15 1540		
Received By:	Date/Time: 06/04/15 1616		
Received By: Brandy Hart	Date/Time: 6/4 1616		

Cooler #'s & Temps on Receipt: C-452 2.5°C med-44 0.6°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)