INITIAL SITE ASSESSMENT REPORT

FOR THE

STANCIL PROPERTY

JACKSONVILLE, ONSLOW COUNTY, NORTH CAROLINA

ARM PROJECT NO. 12098

PREPARED FOR:
STANCIL BUILDERS, INC.
ATTN: MR. FRED STANCIL
466 STANCIL ROAD
ANGIER, NORTH CAROLINA

AUGUST 30, 2012

PREPARED BY:

Applied Resource Management, PC
P.O. Box 882
257 Transfer Station Road
Hampstead, NC 28443
910.270.2919
Fax 910.270.2988

REC'D SEP 12 2012

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JACKSONVILLE, ONSLOW COUNTY, NORTH CAROLINA

ARM PROJECT NO. 12098

AUGUST 30, 2012

A. SITE IDENTIFICATION AND RELEASE INFORMATION

Facility I.D.:	Unknown
Site Name:	Stancil Property
Site Location:	540 Richlands Highway
Nearest City/Town:	Jacksonville
County:	Onslow
UST Owner:	Not Applicable
Address:	
Phone:	
UST Operator (Last):	Note Applicable
Address:	
Phone:	
Property Owner:	Mr. Fred Stancil
Address:	466 Stancil Road, Angier, NC 27501
Phone:	(919) 427-8257
Property Occupant:	Currently Unoccupied
Address:	Not Applicable
Phone:	Not Applicable
Consultant/Contractor:	Applied Resource Management, PC
Address:	257 Transfer Station Rd, PO Box 882, Hampstead, NC 28443
Phone:	(910) 270-2919

August 30, 2012

RELEASE INFORMATION

Date Discovered:	Initially discovered by Geologix, Inc. in late May, 2012, and confirmed by ARM with laboratory results on August 17, 2012.
Site Coordinates:	Latitude: 34 °45' 8.77" N Longitude: 77° 26' 55.87" W
Estimated Quantity of Release:	Unknown
Cause of Release:	Unknown
Source of Release:	Potentially from hydraulic lift area and possible automotive repair activities within the immediate vicinity.

A release was recently discovered at the subject property during a Limited Phase II Environmental Assessment conducted by GeoLogix, Inc. As part of their investigation, soil and groundwater sampling activities were conducted within the immediate vicinity of a possible hydraulic lift identified on a concrete pad near the southeast corner of the tract. Reportedly, some petroleum product, possibly burnt motor oil, was observed staining the surface of the pad, and an odor was present. It was also reported that there was no physical evidence of USTs or ASTs on the subject property. The release was confirmed by ARM during initial assessment activities.

I, James L. Cornette, a Professional Geologist for Applied Resource Management, P.C., do certify that the information contained in this report is correct and accurate to the best of my knowledge.

James L. Cornette, PG
Project Manager

NORTH CAROLINA LICENSED SEAL 1214 GEOLOGIST JAMES L. CORNETTE

9/12/12

B. SITE HISTORY AND CHARACTERIZATION

The site is located at 540 Richlands Highway in Jacksonville, North Carolina. Figure 1 is a Site Vicinity Map showing the project location. The subject property is located on approximately 24 acres of land on the west side of Jacksonville. The property is currently unoccupied and is supplied water by the public water supply system. No water supply wells were observed on the property. The surrounding properties are connected to public water. Applied Resource Management, PC, was contracted by Mr. Fred Stancil to confirm and address contamination previously identified on the subject property by another contractor. Reportedly, petroleum contamination and heavy metals lead and chromium were identified in the soil and groundwater at the site. Petroleum constituents were confirmed in soil and groundwater by ARM. Chromium was also confirmed in the soil, although it is believed at this point to be naturally occurring. Heavy metals lead and chromium were found to be compliant in groundwater as confirmed by ARM's testing.

C. INITIAL SITE CHECK

A Limited Phase II Environmental Assessment was conducted by GeoLogix, Inc., in late May, 2012. As part of their investigation, soil and groundwater sampling activities were conducted within the immediate vicinity of a possible hydraulic lift cylinder identified under a concrete pad near the southeast corner of the tract. Reportedly, some petroleum product, possibly burnt motor oil, was observed staining the surface of the pad, and an odor was present. It was also reported that there was no physical evidence of USTs or ASTs on the subject property. Geologix personnel obtained seven soil and groundwater samples at the property. Four soil samples and four groundwater samples were collected from borings advanced through the concrete pad on four sides of the possible hydraulic lift (See Figure 2). The borings were identified as B-1 through B-4. No boring logs have been provided. Groundwater samples were obtained from the boring locations at approximately three feet deep. The groundwater samples were identified as GW-1 through GW-4. Soil sample B-5 was taken approximately 100 feet northwest of the concrete pad with the possible hydraulic lift. A groundwater sample was collected from this location and identified as GW-5 (See Figure 2). Boring B-6 was advanced on the north side of the septic tank and a soil sample and groundwater sample, B-6 and GW-6, were obtained for analysis. The final soil and groundwater sample, B-7 and GW-7, were collected from a random location in the central region of the former mobile home park as shown on Figure 2. All soil and groundwater samples submitted by Geologix, Inc. were analyzed per EPA Methods 8260B and 8270D. In addition, soil and groundwater samples B-1/GW-1 through B-4/GW-4 were analyzed for cadmium, chromium, and lead.

Based on analytical results, soil samples B-1, B-4, B-6, and B-7 were found to be compliant as compared with Maximum Soil Contaminant Concentrations for soil-to-groundwater (MSCCs). Soil samples B-2, B-3, and B-5 revealed several contaminants above the MSCCs. Also, chromium was found above the MSCC of 5.4 parts per million (ppm) at B-2, and B-3 with concentrations at 6.0 and 5.93 ppm.

Groundwater contamination exceeding the NCAC 02L Groundwater Quality Standards was identified in the five groundwater samples GW-1, GW-2, GW-3, GW-4, and GW-7. Both volatiles and semi-volatiles were found to exceed 2L Standards at all of these locations with the exception of GW-7, which revealed only a non-compliant bis(2-ethylhexyl phthalate) concentration. Heavy metals lead and chromium were identified exceeding the 2L Groundwater Quality Standards at GW-1 through GW-4, located adjacent to the possible hydraulic lift. It should be noted that the groundwater samples were collected from the temporary wells with less than two feet of groundwater. It is believed that turbid groundwater samples were submitted due to the limited volume of groundwater in the temporary wells. A 24 Hour Release Notification Form was submitted by ARM to the Division for review prior to ARM's assessment activities.

D. FREE PRODUCT INVESTIGATION

Based on the information provided within the Limited Phase II Environmental Site Assessment conducted by Geologix, Inc., and the recent assessment activities conducted by ARM, no evidence of free product has been identified within the soil or groundwater at the site.

E. GROUNDWATER INVESTIGATION

As part of the investigation conducted by Geologix, Inc., in late May, 2012, seven groundwater samples (GW-1 through GW-7) were collected from seven geoprobe boring locations (B-1 through B-7) identified on Figure 2. Site photographs of the boring and groundwater sample locations are included in Appendix A. It was reported that none of the borings were advanced beyond five feet deep. Groundwater was encountered between 3.5 and 4.5 feet below ground surface. All of their groundwater samples were analyzed per EPA Methods 8260B and 8270D. In addition, groundwater samples GW-1 through GW-4, located at the concrete pad of the hydraulic lift area, were analyzed for cadmium, chromium, and lead. Groundwater contamination exceeding the NCAC 02L Groundwater Quality Standards was identified in five groundwater samples GW-1, GW-2, GW-3, GW-4, and GW-7. Both volatile and semi-volatile compounds were found to exceed the 2L Standards. Heavy metals lead and chromium were found above State action levels at GW-1 through GW-4.

To confirm the findings of the Geologix investigation, ARM advanced one Type II monitoring well, AMW-1, immediately adjacent to the suspected hydraulic lift. The well was advanced to 12.5 feet deep. The groundwater table was identified at 3.5 feet deep. A Boring Log, NC Well Construction Record, and As-Built Detail are provided in Appendix B. The well was developed, gauged, purged, and sampled per EPA Methods 8260, 8270BN, and for total metals lead and chromium. Based on analytical results, several hydrocarbon compounds including xylenes, naphthalene, and 2-methylnaphthalene were identified slightly above their respective State action limits. The total metals concentrations for both lead and chromium were found to be compliant at 6.25 and 2.18 ppb estimated. A Groundwater Sample Results Summary

including the groundwater results from the Geologix investigation is provided in Table 2. Laboratory results are provided in Appendix C.

F. INITIAL RESPONSE AND ABATEMENT ACTIVITIES

Based on the initial findings presented within the Limited Phase II Environmental Site Assessment conducted by Geologix, Inc., additional activities were conducted by ARM to confirm the presence of contamination in soil and groundwater at the site. Also, soil delineation of the contaminant area was performed.

As such, one test well and several soil borings were advanced in a directional pattern from the suspected primary source area, the hydraulic lift area. Also, borings were advanced around the area at B-5, where low level, non-compliant compounds were identified. As shown on Figure 2, the boring locations highlighted in red were found to be represented by petroleum hydrocarbon odors to the termination of each boring at approximately 3.5 feet deep. Borings highlighted in yellow were found to have either minor hydrocarbon odors or no odors. Soil samples were obtained from these locations immediately above the groundwater table at approximately 2.5 to 3.5 feet below ground surface. The soil samples were identified as SB-1 through SB-8. Boring logs for each sample location are provided in Appendix B. The samples were submitted for laboratory analysis per EPA Methods 8260, 8270 BN, and total metals lead and chromium. Based on laboratory results, soil sample SB-4 revealed non-compliant benzene and benzo(a)pyrene concentrations exceeding Soil-to-Groundwater Maximum Contaminant Concentration Levels. All other samples were found to be compliant for all volatile and sem-volatile compounds tested. Total chromium was found in all eight soil samples at concentrations above the State limit currently at 5.4 ppm. It should be noted that chromium was also identified in all four of the samples collected by Geologix that were analyzed for chromium (B-1 through B-4). Due to the consistent presence of chromium found in the soil and the similarity in concentrations, it is believed that the chromium is naturally occurring at the site. Additional testing is currently under way to confirm the natural occurrence of chromium.

All field investigation methods, including well construction, groundwater sample collection, sample preservation, transport, and analyses were performed in accordance with accepted industry practices. In addition, drilling and sample collection were performed in accordance with the standards and specifications of the American Society for Testing and Materials (ASTM). Subsurface soil and sediment samples were logged utilizing split-spoon samples and/or a decontaminated hand auger. Subsurface materials were described in the field using visual/manual techniques as described in ASTM D-2487 and D-2488, and a boring log for each borehole was produced. All wells were constructed in accordance with NCAC T15A:02C *"Well Construction Standards"*. All drilling and sampling equipment were decontaminated between boreholes to prevent possible cross-contamination. Standard Methods of Investigation and Data Analysis are included in Appendix D.

G. EXCAVATION OF CONTAMINATED SOIL

Based on the data collected at the site to date, it appears that it will be necessary to excavate the soils within and immediately surrounding the hydraulic lift area, and also in the immediate vicinity of B-5, located approximately 100' northwest of the hydraulic lift. As shown on Figure 3, two areas are proposed for soil abatement by excavation. The first area, located within the hydraulic lift area, has been expanded after delineation activities to just within the SB-1 through SB-4 sampling boundary. The SB-4 soil sample was found to be non-complaint; however, the proposed excavation line is just within the Right-of Way where several utilities including water, sewer, fiber optic, and natural gas are present. The estimated area for excavation is approximately 140' X 70'. The second area is located at B-5. After delineation, this area appears isolated and is estimated at approximately 15' X 15'. Both areas are recommended to be excavated to the groundwater table surface at approximately 3.5 to 4 feet deep. The proposed soil abatement areas are identified on Figure 3. Based on calculations, it is estimated that approximately 2,150 tons of petroleum contaminated soil will require removal or on-site treatment.

H. CONCLUSIONS AND RECOMMENDATIONS

A Limited Phase II Environmental Assessment was conducted by GeoLogix, Inc. In late May, 2012. As part of their investigation, soil and groundwater sampling activities were conducted within the immediate vicinity of a possible hydraulic lift identified on a concrete pad near the southeast corner of the tract. Reportedly, some petroleum product, possibly burnt motor oil, was observed staining the surface of the pad, and an odor was present. It was also reported that there was no physical evidence of USTs or ASTs on the subject property.

To confirm the findings of the Geologix investigation, ARM advanced one Type II monitoring well, AMW-1, immediately adjacent to the hydraulic lift. The well was developed, gauged, purged, and sampled per EPA Methods 8260, 8270BN, and for total metals lead and chromium. Based on analytical results, several hydrocarbon compounds including xylenes, naphthalene, and 2-methylnaphthalene were identified slightly above their respective State action limits. The total metals concentrations for both lead and chromium were found to be compliant at 6.25 and 2.18 ppb estimated.

Also, several soil borings were advanced in a four directional pattern from the suspected primary source area (hydraulic lift area), and around the area at B-5, where low level, non-compliant compounds were identified. Soil samples were obtained from these locations immediately above the groundwater table at approximately 2.5 to 3.5 feet below ground surface. The soil samples, identified as SB-1 through SB-8, were submitted for laboratory analysis per EPA Methods 8260, 8270 BN, and total metals lead and chromium. Based on laboratory results, soil sample SB-4 revealed non-

compliant benzene and benzo(a)pyrene concentrations which were found to exceed Soil-to-Groundwater Maximum Contaminant Concentration Levels. All other samples were found to be compliant for all volatile and sem-volatile compounds tested. Total chromium was found in all eight soil samples at concentrations above the State limit currently at 5.4 ppm. It should be noted that chromium was also identified in all four of the samples collected by Geologix that were analyzed for chromium (B-1 through B-4). Due to the consistent presence of chromium found in the soil and the similarity in concentrations, it is believed that the chromium is naturally occurring at the site. Confirmation sampling is currently under way.

Based on the findings of this investigation, the following recommendations are made:

1. Collect two background soil samples at greater than 250 feet to the north and west of the identified contaminant areas. Analyze soil samples for total chromium and compare results with the State action level and the comprehensive data collected to determine if the chromium is naturally occurring. It should be noted that the confirmation sampling is currently in progress and laboratory results will submitted to the Division upon receipt.

2. Conduct soil abatement activities within and immediately surrounding the hydraulic lift area, and also in the immediate vicinity of B-5, located approximately 100' northwest of the hydraulic lift (See Figure 3). Based on calculations, it is estimated that approximately 2,150 tons of petroleum contaminated soil will require removal or on-site treatment.

3. After excavation activities are complete, collect RBCA confirmation soil samples from the sidewalls of the excavation areas immediately above the groundwater table. Sample results will be compared with Soil-to-Groundwater Maximum Contaminant Concentration limits for a clean-up goal. Also, upon backfill completion, three monitoring wells should be installed within the excavated areas to determine if residual groundwater contamination remains.

    - In the event confirmation soil and groundwater samples are found to be compliant, No Further Action will be requested.

    - In the event residual contamination remains, it will be recommended that a Notice of Contaminated Site be filed with the Register of Deeds and a monitoring program be implemented to allow for natural attenuation.

TABLES

TABLE 1 (page 1 of 2)
SOIL SAMPLE RESULTS SUMMARY
STANCIL PROPERTY
540 RICHLANDS HIGHWAY, JACKSONVILLE, NORTH CAROLINA
SAMPLED ON 5/24/12 & 8/2-3/12

ANALYTE	SOIL-TO-GROUNDWATER MAXIMUM CONTAMINANT CONCENTRATION	RESIDENTIAL SOIL CLEANUP LEVEL	B-1 (2')	B-2 (2')	B-3 (2')	B-4 (2')	B-5 (3.5')	B-6 (2-4')	B-7 (2-4')	SB-1 (2.5-3.5')	SB-2 (2.5-3.5')	SB-3 (2.5-3.5')	SB-4 (2.5-3.5')	SB-5 (2.5-3.5')	SB-6 (2.5-3.5')	SB-7 (2.5-3.5')	SB-8 (2.5-3.5')
EPA METHOD 8260B (concentrations in ppm)																	
ACETONE	24	14,000	0.0074	1.3	0.48	0.0088	0.0056	0.036	0.026	0.0205 J	0.0126 J	ND	0.0849	0.0557	0.0751	0.0373 J	0.0139 J
METHYLENE CHLORIDE	0.02	85	0.00073 J	0.68	0.25	0.00098 J	0.00066	0.00070	0.00075	0.00250 J	0.00141 J	ND	0.00385 J	0.00266 J	0.00240 J	0.00155 J	0.00127 J
1,2,4-TRIMETHYLBENZENE	8.5	782	0.00017	110	67	0.00015	0.00015	0.00016	0.00017	ND	ND	0.0304 J	0.00705	ND	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	8.3	782	0.00020	35	6.5	0.00018	0.00018	0.00019	0.00021	ND	ND	0.0183 J	0.00172 J	ND	ND	ND	ND
2-BUTANONE	16	9,385	0.00078	0.73	0.27	0.00069	0.00070	0.00075	0.00080	ND	ND	ND	0.0101 J	ND	ND	ND	ND
4-ISOPROPYLTOLUENE	0.12	100	0.00016	5.6	4.4	0.00014	0.00014	0.00015	0.00016	ND	ND	0.0201J	ND	ND	ND	ND	ND
BENZENE	0.0056	18	0.00017	0.16	0.059	0.00015	0.00015	0.00016	0.00017	ND	ND	ND	0.00080	ND	ND	ND	ND
ETHYLBENZENE	4.9	1,560	0.00020	15	16	0.00018	0.00018	0.00019	0.00021	ND	ND	ND	0.0233	ND	ND	ND	ND
TOLUENE	4.3	1,200	0.00024	0.22	0.083	0.00021	0.00022	0.00023	0.00025	ND	ND	ND	0.0150	ND	0.00166 J	ND	ND
ISOPROPYLBENZENE	1.7	1,564	0.00015	5.3	6.2	0.00039 J	0.00014	0.00014	0.00015	ND	ND	0.00989 J	0.00170 J	ND	ND	ND	ND
NAPHTHALENE	0.16	313	0.00027	19	20	0.00024	0.00024	0.00026	0.00028	ND	ND	0.0121 J	ND	ND	ND	ND	ND
N-BUTYLBENZENE	4.3	626	0.00013	9.6	12	0.00012	0.00012	0.00012	0.00013	ND	ND	ND	ND	ND	ND	ND	ND
N-PROPYLBENZENE	1.7	626	0.00018	16	18	0.00060 J	0.00016	0.00017	0.00018	ND	ND	0.0132 J	0.00531	ND	ND	ND	ND
SEC-BUTYLBENZENE	3.3	626	0.00096	0.88	3.3	0.00084	0.00086	0.00091	0.00098	ND	ND	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	0.35	156	0.00023	0.21	0.079	0.00020	0.00021	0.00022	0.00024	ND	ND	0.0179 J	ND	ND	ND	ND	ND
XYLENES	4.6	3,129	0.00056	19	12	0.00050	0.00051	0.00054	0.00057	ND	ND	ND	0.0489	ND	ND	ND	ND
ALL OTHER COMPOUNDS	Varies	Varies	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	ND	ND	ND	ND	ND	ND	ND	ND
EPA METHOD 8270 D (concentrations in ppm)																	
NAPHTHALENE	0.16	313	0.033	2.7	3.0	0.068 J	2.8	0.033	0.033	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	6.6	46	0.042	0.040	0.041	0.042	0.042	0.041	0.041	ND	ND	ND	ND	ND	ND	ND	ND
1-METHYLNAPHTHALENE	NE	NE	0.032	2.5	2.4	0.095 J	1.9	0.031	0.032	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYLNAPHTHALENE	3.6	63	0.033	4.3	4.7	0.12 J	9.7	0.033	0.033	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLOROANILINE	NE	NE	0.11	0.11	0.11	0.11	0.11	0.11	0.11	ND	ND	ND	0.0293 J	ND	ND	ND	ND
BENZO(a)ANTHRACENE	0.35	0.88	0.033	0.032	0.033	0.034	0.034	0.033	0.033	ND	ND	ND	0.117 J	ND	ND	ND	ND
BENZO(a) PYRENE	0.096	0.088	0.039	0.038	0.039	0.040	0.039	0.038	0.039	ND	ND	ND	0.145 J	ND	ND	ND	ND
BENZO(b)FLOURANTHENE	1.2	0.88	0.021	0.021	0.021	0.022	0.022	0.021	0.021	ND	ND	ND	0.201 J	ND	ND	ND	ND
BENZO(g,h,i)PERYLENE	6,400	469	0.056	0.054	0.056	0.056	0.056	0.055	0.055	ND	ND	ND	0.106 J	ND	ND	ND	ND
BENZO(k)FLOURANTHENE	12	9	0.039	0.038	0.039	0.040	0.039	0.038	0.039	ND	ND	ND	0.0842 J	ND	ND	ND	ND
CHRYSENE	39	88	0.036	0.034	0.035	0.036	0.036	0.035	0.035	ND	ND	ND	0.168 J	ND	ND	ND	ND
FLOURANTHENE	290	620	0.043	0.041	0.043	0.043	0.043	0.042	0.042	ND	ND	ND	0.223 J	ND	ND	ND	ND
INDENO(1,2,3-cd)PYRENE	3.4	0.88	0.056	0.054	0.056	0.056	0.056	0.055	0.055	ND	ND	ND	0.0879 J	ND	ND	ND	ND
PHENANTHRENE	56	469	0.032	0.031	0.032	0.032	0.032	0.031	0.032	ND	ND	ND	0.0549 J	ND	ND	ND	ND
PYRENE	270	469	0.045	0.044	0.045	0.046	0.045	0.044	0.045	ND	ND	ND	0.187 J	ND	ND	ND	ND
ALL OTHER COMPOUNDS	Varies	Varies	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	ND	ND	ND	ND	ND	ND	ND	ND

Shaded areas present non-compliant hydrocarbon concentrations. ppm = parts per million NE= Not Established J= Estimated value BSAL = Below State Action Limit NA = Not analyzed

Note: Soil borings B-1 through B-7 advanced and sampled by Geologix, Inc. Soil Borings SB-1 through SB-8 advanced and sampled by ARM.

TABLE 1 (page 2 of 2)
SOIL SAMPLE RESULTS SUMM0ARY
STANCIL PROPERTY
540 RICHLANDS HIGHWAY, JACKSONVILLE, NORTH CAROLINA
SAMPLED ON 5/24/12 & 8/2-3/12

ANALYTE	SOIL-TO-GROUNDWATER MAXIMUM CONTAMINANT CONCENTRATION	RESIDENTIAL SOIL CLEANUP LEVEL	B-1 (2')	B-2 (2')	B-3 (2')	B-4 (2')	B-5 (3.5')	B-6 (2-4')	B-7 (2-4')	SB-1 (2.5-3.5')	SB-2 (2.5-3.5')	SB-3 (2.5-3.5')	SB-4 (2.5-3.5')	SB-5 (2.5-3.5')	SB-6 (2.5-3.5')	SB-7 (2.5-3.5')	SB-8 (2.5-3.5')
EPA METHOD 6010 C (concentrations in ppm)																	
CADMIUM	NE	NE	0.0114	0.0113	0.0112	0.0114	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEAD	270	400	5.00	11.5	8.91	12.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM (TOTAL)	5.4	47	5.14	6.00	5.98	4.87	NA	NA	NA	8.68	9.89	12.10	9.14	7.51	7.55	7.62	9.55

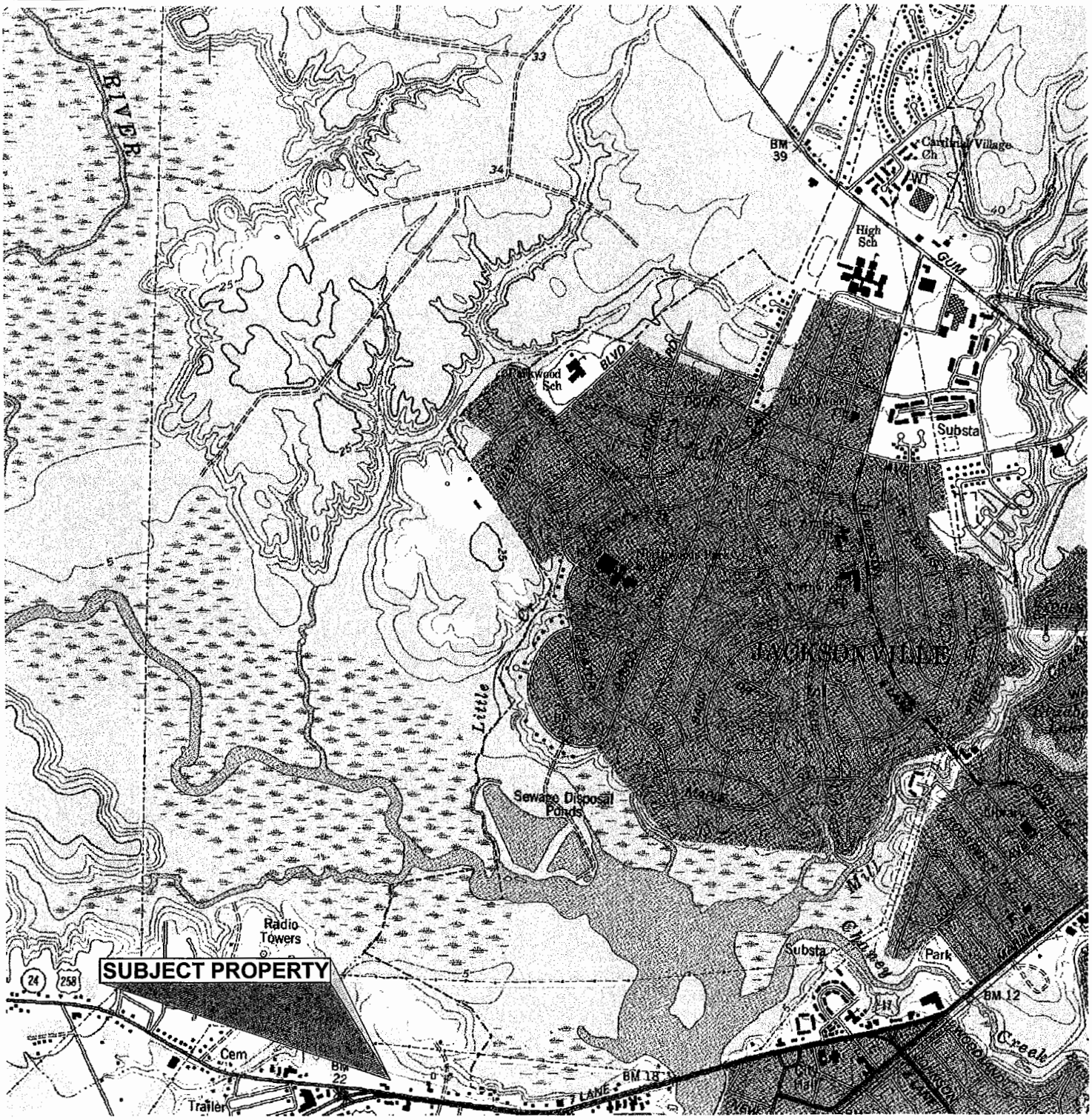
Shaded areas represent non-compliant hydrocarbon concentrations.
NA = Not analyzed

TABLE 2
GROUNDWATER SAMPLE RESULTS SUMMARY
STANCIL PROPERTY
540 RICHLANDS HIGHWAY
JACKSONVILLE, NORTH CAROLINA

ANALYTE	GROSS CONTAMINANT LIMIT	STATE ACTION LIMIT	GW–1	GW-2	GW-3	GW-4	GW-5	GW-6	GW-7	AMW-1
DATE SAMPLED			5/24/12	5/24/12	5/24/12	5/24/12	5/24/12	5/24/12	5/24/12	8/3/12
EPA METHOD 8260B (Concentrations in ppb)										
BENZENE	5,000	1	0.15	3.2	1.5	0.75	0.15	0.15	0.15	ND
TOLUENE	260,000	600	0.14	17	21	6.2	0.14	0.14	0.14	9.00 J
ETHYLBENZENE	84,500	600	10	680	500	460	0.13	0.13	0.13	432
XYLENES	85,500	500	3.7	950	980	39	0.45	0.45	0.45	702
4-ISOPROPYLTOLUENE	NE	NE	3.8	16	0.85	5.2	0.085	0.085	0.085	9.00 J
ISOPROPYLBENZENE	25,000	70	24	100	65	120	0.14	0.14	0.14	36.5 J
NAPHTHALENE	6,000	6	11	490	260	480	0.11	0.11	0.11	178
N-PROPYLBENZENE	30,000	70	51	190	110	240	0.12	0.12	0.12	65.5
1,2-DICHLOROBENZENE	20,000	20	0.19	8.0	12	2.9	0.19	0.19	0.19	ND
SEC-BUTYLBENZENE	8,500	70	8.5	0.50	1.0	15	0.10	0.10	0.10	ND
1,2,4-TRIMETHYLBENZENE	28,500	400	74	70	400	33	0.10	0.10	0.10	362
1,3,5-TRIMETHYLBENZENE	25,000	400	43	180	93	1.5	0.30	0.30	0.30	82.0
ALL OTHER COMPOUNDS	Varies	Varies	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	ND
EPA METHOD 8270 BN (Concentrations in ppb)										
NAPHTHALENE	6,000	6	6.8	220	170	140	1.3	1.3	1.3	152
1,2-DICHLOROBENZENE	20,000	20	1.1	6.0	9.0	1.1	1.1	1.1	1.1	ND
1-METHYLNAPHTHALENE	NE	NE	15	63	51	45	1.7	1.7	1.7	ND
2,4-DIMETHYLPHENOL	100,000	100	1.3	7.0	6.8	1.3	1.3	1.3	1.3	ND
2-METHYLNAPHTHALENE	12,500	30	13	110	81	67	1.5	1.5	1.5	41.2
BIS(2-ETHYLHEXYL) PHTHALATE	170	3	1.7	8.5	8.6	1.7	1.7	1.7	15	ND
ALL OTHER COMPOUNDS	Varies	Varies	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	ND
EPA METHOD 6010 C (Concentrations in ppb)										
CADMIUM	NE	2	0.360	0.360	0.360	0.360	NA	NA	NA	NA
LEAD	15,000	15	103	149	143	91.3	NA	NA	NA	6.25 J
CHROMIUM	10,000	10	109	138	197	66.8	NA	NA	NA	2.18 J

Shaded gray areas represent non-compliant hydrocarbon concentrations above NC State action limits
ppb = parts per million
NE = Not Established
J = Estimated concentration between Method Detection Limit and Lower Calibration Limit
BSAL = Below State Action Limits
Note: GW-1 through GW-7 installed and sampled by Geologix, Inc.
AMW-1 drilled and sampled by ARM.

FIGURES



N

Adapted from USGS Topographic Map "Jacksonville, North, N.C.," 1979, Contour Interval = 5 Feet

Applied Resource Management, P. C.
Hampstead, NC 28443

TITLE:				FIGURE:
SITE VICINITY MAP				1
JOB: 12098	SCALE: 1"= 2,000'	DATE: 7/09/12	DRAWN BY: KLC	

Previous GeoLogix Soil and Groundwater Sample Locations

Type II Monitoring Well (AMW-1) Installed By ARM

Delineation Soil Boring/Sample Location

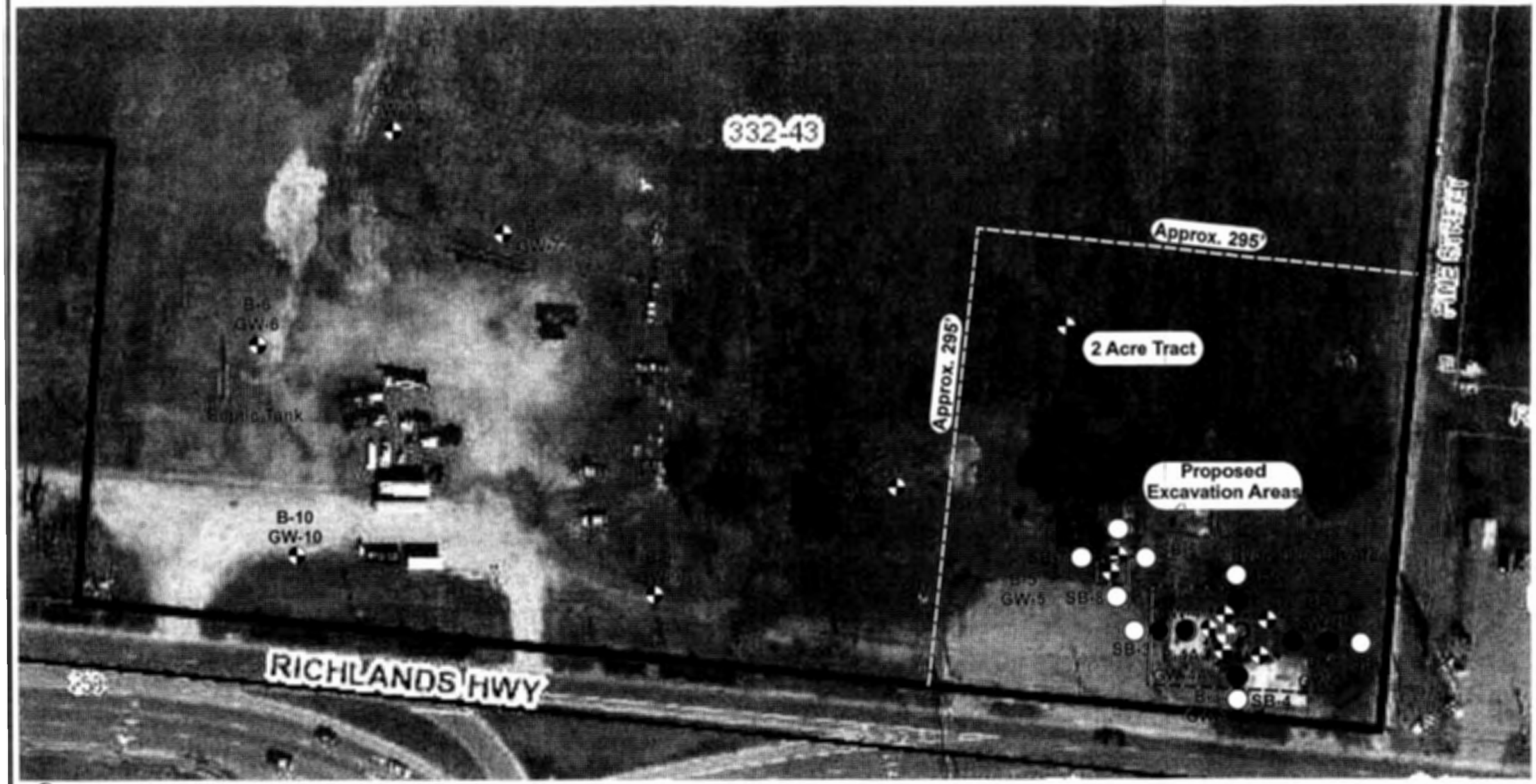
Delineation Soil Boring With Strong Hydrocarbon Odor

Note: Adapted from the Onslow County On-line GIS.

N

Applied Resource Management, P. C.
Hampstead, NC 28443

TITLE: AERIAL PHOTO WITH SOIL AND GROUNDWATER SAMPLING LOCATIONS				FIGURE:
JOB: 12098	SCALE: Approx: 1" = 70'	DATE: 8/24/2012	DRAWN BY: KLC/JLZ	2



Previous GeoLogix Soil and Groundwater Sample Locations
Type II Monitoring Well (AMW-1) Installed By ARM
Delineation Soil Boring/Sample Location
Delineation Soil Boring With Strong Hydrocarbon Odor

Note: Adapted from the Onslow County On-line GIS.

N

Applied Resource Management, P. C.
Hampstead, NC 28443

TITLE:				FIGURE:
PROPOSED SOIL ABATEMENT/ EXCAVATION AREAS				3
JOB: 12098	SCALE: Approx 1" = 70'	DATE: 8/24/2012	DRAWN BY: KLC/JLZ	

APPENDIX A

Geoprobe at Location of Sample Nos. B-1 and GW-1 on Concrete Pad Where a Possible Hydraulic Lift Exists

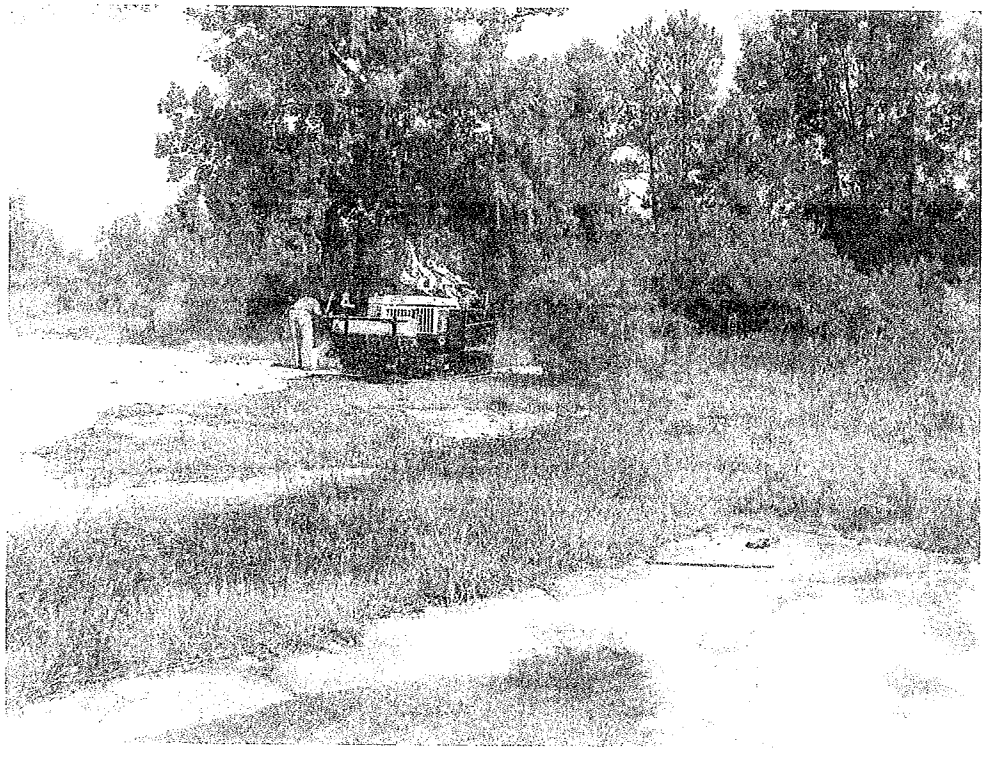
Geoprobe at Location of Sample Nos. B-2 and GW-2 on Concrete Pad Where a Possible Hydraulic Lift Exists

Geoprobe at Location of Sample Nos. B-2 and GW-2 on Concrete Pad Where a Possible Hydraulic Lift Exists

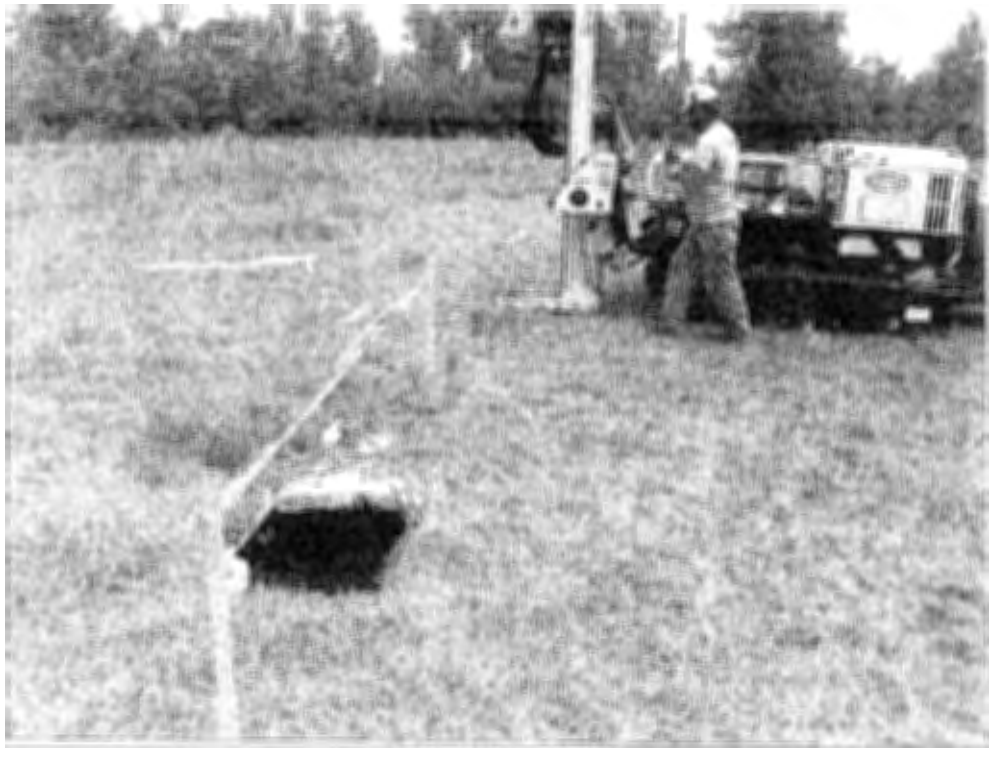
Geoprobe Deepening Boring at Location of Sample Nos. B-2 and GW-2 in Order to Obtain a Groundwater Sample (Possible Hydraulic Lift in Foreground)

Geoprobe at Location of Sample Nos. B-3 and GW-3 on Concrete Pad Where a Possible Hydraulic Lift (Lower Center of Picture) Exists

Location of Sample Nos. B-4 and GW-4 (White Pipe in Foreground) on Concrete Pad Where a Possible Hydraulic Lift Exists



Geoprobe at Location of Sample No. B-5



Geoprobe at Location of Sample No. B-6 Near Open Septic Tank at Former Mobile Home Sales Lot

Red Pin Flag Marks Location of Sample No. B-7 at Former Mobile Home Sales Lot

Red Pin Flag Marks Location of Sample No. B-7 at Former Mobile Home Sales Lot

APPENDIX B

Stancil Property
540 Richlands Highway
Jacksonville, NC

AMW-1

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/02/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 5"	Concrete	-	Core
5" - 2'	Light brown-gray, fine grained sand. Hydrocarbon odor present.	Low	Grab
2 - 4'	Light greenish-gray, silty clay with orange mottles. Hydrocarbon odor present.	Low to Moderate	Grab
5 - 7'	Medium gray, very fine to fine grained sand. Minor hydrocarbon odor present.	High	HP
10 - 12'	Light tan-gray, silty to very fine grained sand. Minor hydrocarbon odor present.	High	HP

HP = Hydraulic Push

Stancil Property
540 Richlands Highway
Jacksonville, NC

SB-1

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/03/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 1'	Topsoil with gravel mixture.	Low	HA
1 - 2.5'	Dark gray, silty to very fine grained sand with minor clay content. No hydrocarbon odor present.	Low	HA
2.5 - 3.5'	Tan to light brown, slightly clayey sand with orange mottles and iron concretions. No hydrocarbon odor present.	Low to Moist	HA

HA = Hand Auger

Stancil Property
540 Richlands Highway
Jacksonville, NC

SB-2

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/02/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 1.5'	Gray-brown, silty to very fine grained sand with low clay content. No hydrocarbon odor present.	Low	HA
1.5 - 2.5'	Dark brown to dark gray, silty to very fine grained sand with minor clay content. No hydrocarbon odor present.	Low	HA
2.5 - 3.5'	Gray to orange, silty, slightly clayey sand. No hydrocarbon odor present.	Low to Moist	HA

HA = Hand Auger

Stancil Property
540 Richlands Highway
Jacksonville, NC

SB-3

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/03/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 0.3'	Asphalt	-	-
0.3 - 1.5'	Light brown-tan, very fine grained sand with gravel mixture. Minor hydrocarbon odor present.	Low	HA
1.5 - 2.5'	Dark brown-black, silty to very fine grained sand with minor clay. Minor hydrocarbon odor present.	Low	HA
2.5 - 3.5'	Brown-gray, slightly clayey sand with orange mottles. Minor hydrocarbon odor present.	Low to Moist	HA

HA = Hand Auger

Stancil Property
540 Richlands Highway
Jacksonville, NC

SB-4

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/03/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 1'	Dark gray, very fine grained sand with gravel mixture. No hydrocarbon odor present.	Low	HA
1 - 2'	Dark gray, silty to very fine grained sand with minor clay content. Very minor hydrocarbon odor present.	Low	HA
2 - 3.5'	Dark gray, silty sand changing to very fine grained sand with minor clay content. Very minor hydrocarbon odor present.	Low to Moist	HA

HA = Hand Auger

Stancil Property
540 Richlands Highway
Jacksonville, NC

SB-5

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/02/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 1.5'	Medium to dark gray, very fine grained sand with minor clay content. No hydrocarbon odor present.	Low	HA
1.5 - 3.5'	Gray to orange, silty, slightly clayey sand. No hydrocarbon odor present.	Low	HA

HA = Hand Auger

Stancil Property
540 Richlands Highway
Jacksonville, NC

SB-6

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/02/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 1.5'	Medium to dark gray, very fine grained sand with minor clay content. No hydrocarbon odor present.	Low	HA
1.5 - 3.5'	Gray to orange, silty, slightly clayey sand. No hydrocarbon odor present.	Low	HA

HA = Hand Auger

Stancil Property
540 Richlands Highway
Jacksonville, NC

SB-7

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/02/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 1.5'	Medium to dark gray, very fine grained sand with minor clay content. No hydrocarbon odor present.	Low	HA
1.5 - 3.5'	Gray to orange, silty, slightly clayey sand. No hydrocarbon odor present.	Low	HA

HA = Hand Auger

Stancil Property
540 Richlands Highway
Jacksonville, NC

SB-8

Drilled By: Applied Resource Management
Logged by J. Zuncich
Date: 08/02/2012

Depth (ft.)	Description	Water Content	Blow Count
0 - 0.2'	Asphalt	-	-
0.2 - 1'	Gray-brown, very fine grained sand. No hydrocarbon odor present.	Low	HA
1 - 2'	Light gray to orange, silty to very fine grained sand with minor clay. No hydrocarbon odor present.	Low	HA
2 - 3.5'	Light gray to orange, slightly clayey sand changing to a medium to dark gray, silty sand with low clay content. No hydrocarbon odor present.	Low to Moist	HA

HA = Hand Auger

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 3324A

1. WELL CONTRACTOR:

Joseph L. Zuncich
Well Contractor (Individual) Name

Applied Resource Management, P.C.
Well Contractor Company Name

257 Transfer Station Rd.
Street Address

Hampstead NC 28443
City or Town State Zip Code

(910) 270-2919
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT#

OTHER ASSOCIATED PERMIT#(if applicable)

SITE WELL ID #(if applicable)

3. WELL USE (Check One Box) Monitoring ☑ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 08/02/12

4. WELL LOCATION:

540 Richlands Hwy
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Jacksonville COUNTY Onslow

TOPOGRAPHIC / LAND SETTING: (check appropriate box)
☐Slope ☐Valley ☑Flat ☐Ridge ☐Other

LATITUDE 34 ° 45 ' 8.7700 " DMS **OR** DD

LONGITUDE 77 ° 26 ' 55.8700 " DMS **OR** DD

Latitude/longitude source: ☑GPS ☐Topographic map
(location of well must be shown on a USGS topo map andattached to this form if not using GPS)

5. FACILITY (Name of the business where the well is located.)

Facility Name Facility ID# (if applicable)

Street Address

City or Town State Zip Code

Stancil Builders
Contact Name

466 Stancil Rd.
Mailing Address

Angier NC 27501
City or Town State Zip Code

(919) 427-8257
Area code Phone number

6. WELL DETAILS:

a. **TOTAL DEPTH:** 12.5

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☑

c. **WATER LEVEL** Below Top of Casing: 3.45' FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** **METHOD OF TEST**

f. **DISINFECTION: Type** **Amount**

g. **WATER ZONES** (depth):
Top Bottom Top Bottom
Top Bottom Top Bottom
Top Bottom Top Bottom

7. CASING:	Depth		Diameter	Thickness/ Weight	Material
Top 0	Bottom 2.5	Ft.	2"	sch40	PVC
Top	Bottom	Ft.			
Top	Bottom	Ft.			

8. GROUT:	Depth		Material	Method
Top 0.2	Bottom 0.5	Ft.	Grout	Tremmie
Top 0.5	Bottom 1.5	Ft.	Bentonite	Tremmie
Top	Bottom	Ft.		

9. SCREEN:	Depth		Diameter	Slot Size	Material
Top 2.5'	Bottom 12.5'	Ft.	2" in.	.020 in.	PVC
Top	Bottom	Ft.	in.	in.	
Top	Bottom	Ft.	in.	in.	

10. SAND/GRAVEL PACK:	Depth		Size	Material
Top 1.5'	Bottom 12.5'	Ft.	#2	Sand
Top	Bottom	Ft.		
Top	Bottom	Ft.		

11. DRILLING LOG

Top	Bottom	Formation Description
0'	.5	Concrete
.5	2'	Light brown gray silty clay
2'	4'	Light greenish gray silty clay w/ orange mottles
5'	7'	Medium gray very fine to fine sand
10'	12'	Light tan gray, silty to very fine sand

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

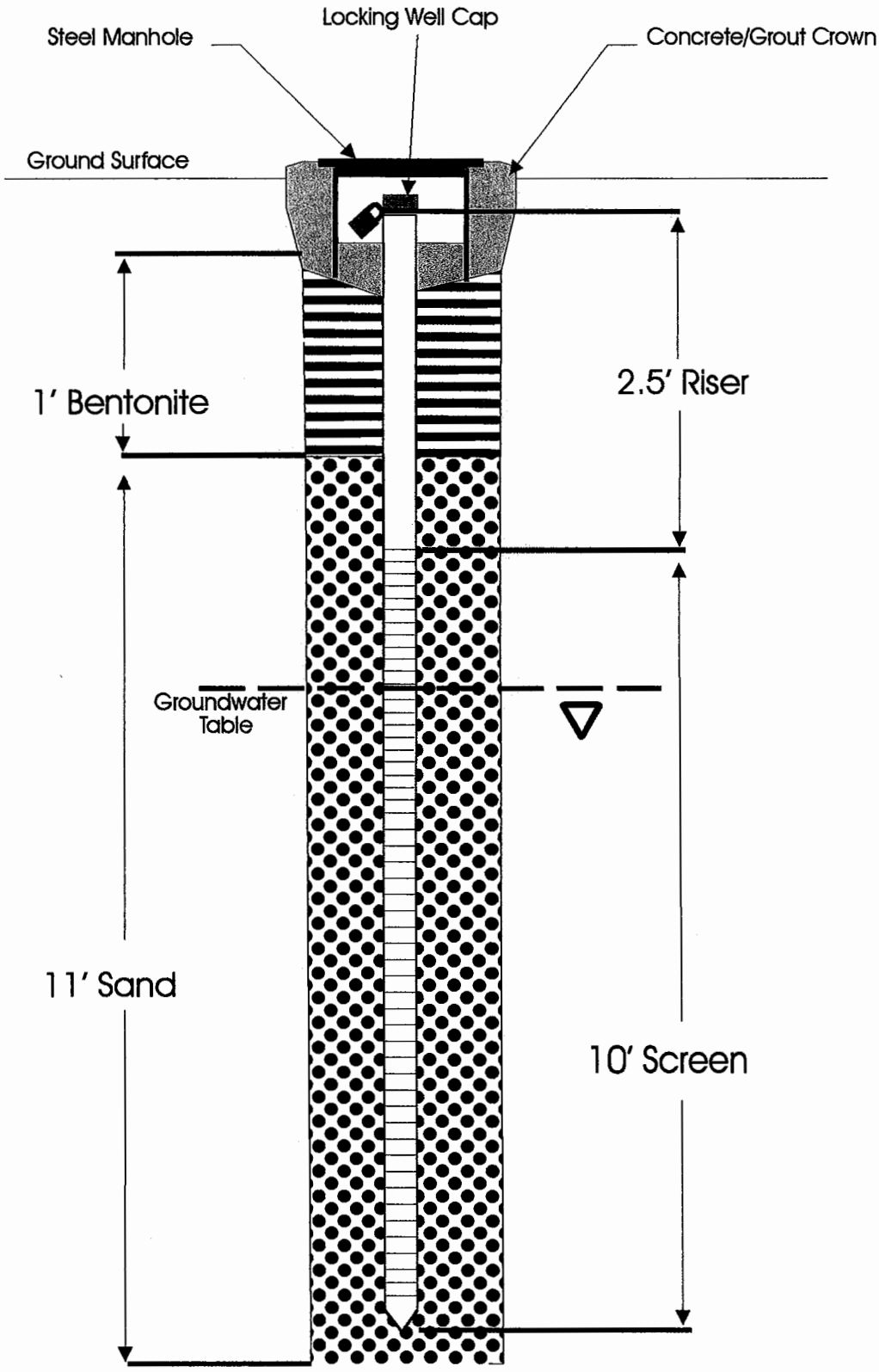
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE 08/02/12

Joseph L. Zuncich
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-161, Phone : (919) 807-6300

Form GW-1b
Rev. 2/09

AMW-1



12.5' Total Depth

APPENDIX C

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Tuesday, June 12, 2012

GEOLOGIX (GE024)

Attn: ROB LIVERMON

5316 DEEP VALLEY RUN

RALEIGH, NC 27606-

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Progress Energy Jacksonville
ENCO Workorder(s): C205843

Dear ROB LIVERMON,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, May 24, 2012.

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 Cary. 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,

Bill Scott

Bill Scott For Stephanie Franz

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 94.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: GW-1	Lab ID: C205843-01	Sampled: 05/24/12 09:30	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8270D	05/31/12 07/10/12	05/31/12 09:59	6/7/2012 21:25

Client ID: GW-1	Lab ID: C205843-01RE1	Sampled: 05/24/12 09:30	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	06/07/12	05/30/12 09:51	5/31/2012 06:25

Client ID: GW-2	Lab ID: C205843-02	Sampled: 05/24/12 09:45	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8270D	05/31/12 07/10/12	05/31/12 09:59	6/8/2012 01:03

Client ID: GW-2	Lab ID: C205843-02RE1	Sampled: 05/24/12 09:45	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	06/07/12	05/30/12 09:51	5/31/2012 06:54

Client ID: GW-3	Lab ID: C205843-03	Sampled: 05/24/12 10:00	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8270D	05/31/12 07/10/12	05/31/12 09:59	6/8/2012 01:31

Client ID: GW-3	Lab ID: C205843-03RE1	Sampled: 05/24/12 10:00	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	06/07/12	05/30/12 09:51	5/31/2012 07:24

Client ID: GW-4	Lab ID: C205843-04	Sampled: 05/24/12 10:30	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8270D	05/31/12 07/10/12	05/31/12 09:59	6/7/2012 21:53

Client ID: GW-4	Lab ID: C205843-04RE1	Sampled: 05/24/12 10:30	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	06/07/12	05/30/12 09:51	5/31/2012 07:53

Client ID: GW-5	Lab ID: C205843-05	Sampled: 05/24/12 11:30	Received: 05/24/12 16:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8270D	05/31/12 07/10/12	05/31/12 09:59	6/7/2012 23:42

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Client ID: GW-5	Lab ID: C205843-05RE1	Sampled: 05/24/12 11:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		05/30/12	09:51	5/31/2012 05:56

Client ID: GW-6	Lab ID: C205843-06	Sampled: 05/24/12 12:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		05/29/12	17:39	5/31/2012 01:31
EPA 8270D	05/31/12	07/10/12	05/31/12	09:59	6/8/2012 00:09

Client ID: GW-7	Lab ID: C205843-07	Sampled: 05/24/12 13:00	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		05/29/12	17:39	5/31/2012 02:00
EPA 8270D	05/31/12	07/10/12	05/31/12	09:59	6/8/2012 00:36

Client ID: B-1	Lab ID: C205843-08	Sampled: 05/24/12 09:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		06/04/12	09:08	6/4/2012 15:41
EPA 8270D	06/07/12	07/15/12	06/05/12	16:12	6/12/2012 02:36

Client ID: B-2	Lab ID: C205843-09	Sampled: 05/24/12 09:45	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		06/04/12	13:15	6/4/2012 17:15
EPA 8270D	06/07/12	07/15/12	06/05/12	16:12	6/12/2012 03:02

Client ID: B-3	Lab ID: C205843-10	Sampled: 05/24/12 10:00	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		06/04/12	13:15	6/4/2012 17:45
EPA 8270D	06/07/12	07/15/12	06/05/12	16:12	6/12/2012 03:29

Client ID: B-4	Lab ID: C205843-11	Sampled: 05/24/12 10:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8270D	06/07/12	07/15/12	06/05/12	16:12	6/12/2012 03:55

Client ID: B-4	Lab ID: C205843-11RE1	Sampled: 05/24/12 10:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		06/04/12	13:15	6/4/2012 19:35

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Client ID: B-5	Lab ID: C205843-12	Sampled: 05/24/12 11:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		06/04/12	09:08	6/4/2012 16:10
EPA 8270D	06/07/12	07/15/12	06/05/12	16:12	6/12/2012 04:22

Client ID: B-6	Lab ID: C205843-13	Sampled: 05/24/12 12:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		06/04/12	09:08	6/4/2012 16:39
EPA 8270D	06/07/12	07/15/12	06/05/12	16:12	6/12/2012 04:48

Client ID: B-7	Lab ID: C205843-14	Sampled: 05/24/12 13:00	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/12		06/04/12	09:08	6/4/2012 17:09
EPA 8270D	06/07/12	07/15/12	06/05/12	16:12	6/12/2012 05:15

Client ID: GW-1	Lab ID: C205843-15	Sampled: 05/24/12 09:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/20/12		05/25/12	09:05	5/29/2012 11:10

Client ID: GW-2	Lab ID: C205843-16	Sampled: 05/24/12 09:45	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/20/12		05/25/12	09:05	5/29/2012 11:35

Client ID: GW-3	Lab ID: C205843-17	Sampled: 05/24/12 10:00	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/20/12		05/25/12	09:05	5/29/2012 11:37

Client ID: GW-4	Lab ID: C205843-18	Sampled: 05/24/12 10:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/20/12		05/25/12	09:05	5/29/2012 11:39

Client ID: B-1	Lab ID: C205843-19	Sampled: 05/24/12 09:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/20/12		05/25/12	09:02	5/25/2012 14:33

Client ID: B-2	Lab ID: C205843-20	Sampled: 05/24/12 09:45	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/20/12		05/25/12	09:02	5/25/2012 14:35

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Client ID: B-3	Lab ID: C205843-21	Sampled: 05/24/12 10:00	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/20/12	05/25/12 09:02	5/25/2012 14:37

Client ID: B-4	Lab ID: C205843-22	Sampled: 05/24/12 10:30	Received: 05/24/12 16:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/20/12	05/25/12 09:02	5/25/2012 14:38

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SAMPLE DETECTION SUMMARY

Client ID: GW-1 **Lab ID: C205843-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1-Methylnaphthalene	15		1.7	10	ug/L	EPA 8270D	
2-Methylnaphthalene	13		1.5	10	ug/L	EPA 8270D	
Naphthalene	6.8	J	1.3	10	ug/L	EPA 8270D	

Client ID: GW-1 **Lab ID: C205843-01RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	74		0.10	1.0	ug/L	EPA 8260B	
1,3,5-Trimethylbenzene	43		0.30	1.0	ug/L	EPA 8260B	
4-Isopropyltoluene	3.8		0.085	1.0	ug/L	EPA 8260B	
Ethylbenzene	10		0.13	1.0	ug/L	EPA 8260B	
Isopropylbenzene	24		0.14	1.0	ug/L	EPA 8260B	
m,p-Xylenes	3.7		0.17	2.0	ug/L	EPA 8260B	
Naphthalene	11		0.11	1.0	ug/L	EPA 8260B	
n-Propyl Benzene	51		0.12	1.0	ug/L	EPA 8260B	
sec-Butylbenzene	8.5		0.10	1.0	ug/L	EPA 8260B	
Xylenes (Total)	3.7		0.45	3.0	ug/L	EPA 8260B	

Client ID: GW-2 **Lab ID: C205843-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2-Dichlorobenzene	6.0	JD	5.5	50	ug/L	EPA 8270D	R-05
1-Methylnaphthalene	63	D	8.5	50	ug/L	EPA 8270D	R-05
2,4-Dimethylphenol	7.0	JD	6.5	50	ug/L	EPA 8270D	R-05
2-Methylnaphthalene	110	D	7.5	50	ug/L	EPA 8270D	R-05
Naphthalene	220	D	6.5	50	ug/L	EPA 8270D	R-05

Client ID: GW-2 **Lab ID: C205843-02RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	770	D	0.50	5.0	ug/L	EPA 8260B	
1,2-Dichlorobenzene	8.0	D	0.95	5.0	ug/L	EPA 8260B	
1,3,5-Trimethylbenzene	180	D	1.5	5.0	ug/L	EPA 8260B	
4-Isopropyltoluene	16	D	0.42	5.0	ug/L	EPA 8260B	
Benzene	3.2	JD	0.75	5.0	ug/L	EPA 8260B	
Ethylbenzene	680	D	0.65	5.0	ug/L	EPA 8260B	
Isopropylbenzene	100	D	0.70	5.0	ug/L	EPA 8260B	
m,p-Xylenes	910	D	0.85	10	ug/L	EPA 8260B	
Naphthalene	490	D	0.55	5.0	ug/L	EPA 8260B	
n-Propyl Benzene	190	D	0.60	5.0	ug/L	EPA 8260B	
o-Xylene	41	D	0.32	5.0	ug/L	EPA 8260B	
Toluene	17	D	0.70	5.0	ug/L	EPA 8260B	
Xylenes (Total)	950	D	2.2	15	ug/L	EPA 8260B	

Client ID: GW-3 **Lab ID: C205843-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2-Dichlorobenzene	9.0	JD	5.5	50	ug/L	EPA 8270D	R-05
1-Methylnaphthalene	51	D	8.5	50	ug/L	EPA 8270D	R-05
2,4-Dimethylphenol	6.8	JD	6.5	50	ug/L	EPA 8270D	R-05
2-Methylnaphthalene	81	D	7.5	50	ug/L	EPA 8270D	R-05
Naphthalene	170	D	6.5	50	ug/L	EPA 8270D	R-05

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Client ID: GW-3			Lab ID: C205843-03RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,2,4-Trimethylbenzene	400	D	1.0	10	ug/L	EPA 8260B	
1,2-Dichlorobenzene	12	D	1.9	10	ug/L	EPA 8260B	
1,3,5-Trimethylbenzene	93	D	3.0	10	ug/L	EPA 8260B	
Ethylbenzene	500	D	1.3	10	ug/L	EPA 8260B	
Isopropylbenzene	65	D	1.4	10	ug/L	EPA 8260B	
m,p-Xylenes	920	D	1.7	20	ug/L	EPA 8260B	
Naphthalene	260	D	1.1	10	ug/L	EPA 8260B	
n-Propyl Benzene	110	D	1.2	10	ug/L	EPA 8260B	
o-Xylene	67	D	0.65	10	ug/L	EPA 8260B	
Toluene	21	D	1.4	10	ug/L	EPA 8260B	
Xylenes (Total)	980	D	4.5	30	ug/L	EPA 8260B	

Client ID: GW-4			Lab ID: C205843-04				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1-Methylnaphthalene	45		1.7	10	ug/L	EPA 8270D	
2,6-Dinitrotoluene	3.5	J	1.5	10	ug/L	EPA 8270D	
2-Methylnaphthalene	67		1.5	10	ug/L	EPA 8270D	
Naphthalene	170	D	5.2	40	ug/L	EPA 8270D	

Client ID: GW-4			Lab ID: C205843-04RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,2,4-Trimethylbenzene	33	D	0.50	5.0	ug/L	EPA 8260B	
1,2-Dichlorobenzene	2.9	JD	0.95	5.0	ug/L	EPA 8260B	
4-Isopropyltoluene	5.2	D	0.42	5.0	ug/L	EPA 8260B	
Acetone	25	D	6.0	25	ug/L	EPA 8260B	
Ethylbenzene	460	D	0.65	5.0	ug/L	EPA 8260B	
Isopropylbenzene	120	D	0.70	5.0	ug/L	EPA 8260B	
m,p-Xylenes	39	D	0.85	10	ug/L	EPA 8260B	
Naphthalene	480	D	0.55	5.0	ug/L	EPA 8260B	
n-Propyl Benzene	240	D	0.60	5.0	ug/L	EPA 8260B	
sec-Butylbenzene	15	D	0.50	5.0	ug/L	EPA 8260B	
tert-Butylbenzene	3.8	JD	0.85	5.0	ug/L	EPA 8260B	
Toluene	6.2	D	0.70	5.0	ug/L	EPA 8260B	
Xylenes (Total)	39	D	2.2	15	ug/L	EPA 8260B	

Client ID: GW-5			Lab ID: C205843-05				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Benzoic acid	2.6	J	1.0	50	ug/L	EPA 8270D	

Client ID: GW-7			Lab ID: C205843-07				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Bis(2-ethylhexyl)phthalate	15		1.7	5.0	ug/L	EPA 8270D	
Di-n-octylphthalate	5.4	J	3.1	10	ug/L	EPA 8270D	

Client ID: B-1			Lab ID: C205843-08				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Acetone	0.0074		0.0014	0.0050	mg/kg dry	EPA 8260B	
Methylene Chloride	0.00073	J	0.00073	0.0020	mg/kg dry	EPA 8260B	

Client ID: B-2			Lab ID: C205843-09				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**

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Client ID: B-2 **Lab ID: C205843-09**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	110	D	0.16	0.93	mg/kg dry	EPA 8260B	
1,3,5-Trimethylbenzene	35	D	0.19	0.93	mg/kg dry	EPA 8260B	
1-Methylnaphthalene	2.5		0.031	0.38	mg/kg dry	EPA 8270D	
2-Methylnaphthalene	4.7	D	0.064	0.76	mg/kg dry	EPA 8270D	
4-Isopropyltoluene	3.6	D	0.15	0.93	mg/kg dry	EPA 8260B	
Ethylbenzene	15	D	0.19	0.93	mg/kg dry	EPA 8260B	
Isopropylbenzene	5.3	D	0.14	0.93	mg/kg dry	EPA 8260B	
m,p-Xylenes	19	D	0.34	1.9	mg/kg dry	EPA 8260B	
Naphthalene	19	D	0.25	0.93	mg/kg dry	EPA 8260B	
Naphthalene	2.7	D	0.064	0.76	mg/kg dry	EPA 8270D	
n-Butyl Benzene	9.6	D	0.12	0.93	mg/kg dry	EPA 8260B	
n-Propyl Benzene	15	D	0.17	0.93	mg/kg dry	EPA 8260B	
Xylenes (Total)	19	D	0.52	2.8	mg/kg dry	EPA 8260B	

Client ID: B-3 **Lab ID: C205843-10**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,2,4-Trimethylbenzene	67	D	0.059	0.35	mg/kg dry	EPA 8260B	
1,3,5-Trimethylbenzene	6.5	D	0.069	0.35	mg/kg dry	EPA 8260B	
1-Methylnaphthalene	2.4		0.032	0.39	mg/kg dry	EPA 8270D	
2-Methylnaphthalene	4.7	D	0.066	0.78	mg/kg dry	EPA 8270D	
4-Isopropyltoluene	4.4	D	0.055	0.35	mg/kg dry	EPA 8260B	
Ethylbenzene	16	D	0.069	0.35	mg/kg dry	EPA 8260B	
Fluorene	0.047	J	0.034	0.39	mg/kg dry	EPA 8270D	
Isopropylbenzene	6.2	D	0.052	0.35	mg/kg dry	EPA 8260B	
m,p-Xylenes	12	D	0.13	0.69	mg/kg dry	EPA 8260B	
Naphthalene	3.0	D	0.066	0.78	mg/kg dry	EPA 8270D	
Naphthalene	20	D	0.093	0.35	mg/kg dry	EPA 8260B	
n-Butyl Benzene	12	D	0.045	0.35	mg/kg dry	EPA 8260B	
n-Propyl Benzene	18	D	0.062	0.35	mg/kg dry	EPA 8260B	
sec-Butylbenzene	3.3	D	0.33	0.35	mg/kg dry	EPA 8260B	
Xylenes (Total)	12	D	0.19	1.0	mg/kg dry	EPA 8260B	

Client ID: B-4 **Lab ID: C205843-11**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1-Methylnaphthalene	0.095	J	0.032	0.40	mg/kg dry	EPA 8270D	
2-Methylnaphthalene	0.12	J	0.034	0.40	mg/kg dry	EPA 8270D	
Naphthalene	0.068	J	0.034	0.40	mg/kg dry	EPA 8270D	

Client ID: B-4 **Lab ID: C205843-11RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.0088		0.0012	0.0044	mg/kg dry	EPA 8260B	
Isopropylbenzene	0.00039	J	0.00013	0.00089	mg/kg dry	EPA 8260B	
Methylene Chloride	0.00098	J	0.00065	0.0018	mg/kg dry	EPA 8260B	
n-Propyl Benzene	0.00060	J	0.00016	0.00089	mg/kg dry	EPA 8260B	

Client ID: B-5 **Lab ID: C205843-12**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1-Methylnaphthalene	1.9		0.032	0.39	mg/kg dry	EPA 8270D	
2-Methylnaphthalene	3.7	D	0.067	0.79	mg/kg dry	EPA 8270D	
Acetone	0.0056		0.0013	0.0045	mg/kg dry	EPA 8260B	
Naphthalene	2.8	D	0.067	0.79	mg/kg dry	EPA 8270D	

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Client ID: B-6			Lab ID: C205843-13				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Acetone	0.036		0.0013	0.0048	mg/kg dry	EPA 8260B	

Client ID: B-7			Lab ID: C205843-14				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Acetone	0.026		0.0014	0.0051	mg/kg dry	EPA 8260B	

Client ID: GW-1			Lab ID: C205843-15				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	109		1.00	10.0	ug/L	EPA 6010C	
Lead - Total	103		1.90	10.0	ug/L	EPA 6010C	

Client ID: GW-2			Lab ID: C205843-16				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	188		1.00	10.0	ug/L	EPA 6010C	
Lead - Total	149		1.90	10.0	ug/L	EPA 6010C	

Client ID: GW-3			Lab ID: C205843-17				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	197		1.00	10.0	ug/L	EPA 6010C	
Lead - Total	143		1.90	10.0	ug/L	EPA 6010C	

Client ID: GW-4			Lab ID: C205843-18				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	66.3		1.00	10.0	ug/L	EPA 6010C	
Lead - Total	91.3		1.90	10.0	ug/L	EPA 6010C	

Client ID: B-1			Lab ID: C205843-19				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	5.14		0.119	0.594	mg/kg dry	EPA 6010C	
Lead - Total	5.00		0.143	0.594	mg/kg dry	EPA 6010C	

Client ID: B-2			Lab ID: C205843-20				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	6.00		0.117	0.587	mg/kg dry	EPA 6010C	
Lead - Total	11.5		0.141	0.587	mg/kg dry	EPA 6010C	

Client ID: B-3			Lab ID: C205843-21				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	5.93		0.117	0.585	mg/kg dry	EPA 6010C	
Lead - Total	8.91		0.140	0.585	mg/kg dry	EPA 6010C	

Client ID: B-4			Lab ID: C205843-22				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	4.87		0.119	0.595	mg/kg dry	EPA 6010C	
Lead - Total	12.3		0.143	0.595	mg/kg dry	EPA 6010C	

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ANALYTICAL RESULTS

Description: GW-1
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-01
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.012	U	ug/L	1	0.012	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	**74**		ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	**43**		ug/L	1	0.30	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.1	U	ug/L	1	1.1	5.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
2-Chlorotoluene [95-49-8] ^	0.081	U	ug/L	1	0.081	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
4-Chlorotoluene [106-43-4] ^	0.068	U	ug/L	1	0.068	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
4-Isopropyltoluene [99-87-6] ^	**3.8**		ug/L	1	0.085	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Bromobenzene [108-86-1] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA B260B	05/31/12 06:25	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Ethylbenzene [100-41-4] ^	**10**		ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Hexachlorobutadiene [87-68-3] ^	0.22	U	ug/L	1	0.22	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	

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Description: GW-1
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-01
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Isopropylbenzene [98-82-8] ^	**24**		ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	**3.7**		ug/L	1	0.17	2.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Naphthalene [91-20-3] ^	**11**		ug/L	1	0.11	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
n-Butyl Benzene [104-51-8] ^	0.058	U	ug/L	1	0.058	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
n-Propyl Benzene [103-65-1] ^	**51**		ug/L	1	0.12	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
sec-Butylbenzene [135-98-8] ^	**8.5**		ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
tert-Butylbenzene [98-06-6] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	
Xylenes (Total) [1330-20-7] ^	**3.7**		ug/L	1	0.45	3.0	2E29023	EPA 8260B	05/31/12 06:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*2E29023*	*EPA 8260B*	*05/31/12 06:25*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*76 %*	*68-117*	*2E29023*	*EPA 8260B*	*05/31/12 06:25*	*JKG*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*67-127*	*2E29023*	*EPA 8260B*	*05/31/12 06:25*	*JKG*	

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Description: GW-1
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-01
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
1,2-Dichlorobenzene [95-50-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
1,3-Dichlorobenzene [541-73-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
1,4-Dichlorobenzene [106-46-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
1-Methylnaphthalene [90-12-0] ^	**15**		ug/L	1	1.7	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2-Methylnaphthalene [91-57-6] ^	**13**		ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	QV-01
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Benzidine [92-87-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Benzoic acid [65-85-0] ^	1.0	U	ug/L	1	1.0	50	2E31017	EPA 8270D	06/07/12 21:25	DFM	QV-01
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	

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Description: GW-1
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-01
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Naphthalene [91-20-3] ^	**6.8**	J	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Pentachlorophenol [87-86-5] ^	1.8	U	ug/L	1	1.8	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	
Pyridine [110-86-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:25	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*64*	*1*	*100*	*64 %*	*10-179*	*2E31017*	*EPA 8270D*	*06/07/12 21:25*	*DFM*	
2-Fluorobiphenyl	*29*	*1*	*50.0*	*59 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/07/12 21:25*	*DFM*	
2-Fluorophenol	*40*	*1*	*100*	*40 %*	*10-110*	*2E31017*	*EPA 8270D*	*06/07/12 21:25*	*DFM*	
Nitrobenzene-d5	*28*	*1*	*50.0*	*56 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/07/12 21:25*	*DFM*	
Phenol-d5	*30*	*1*	*100*	*30 %*	*10-88*	*2E31017*	*EPA 8270D*	*06/07/12 21:25*	*DFM*	
Terphenyl-d14	*42*	*1*	*50.0*	*83 %*	*10-188*	*2E31017*	*EPA 8270D*	*06/07/12 21:25*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: GW-2
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-02
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.60	UD	ug/L	5	0.60	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.4	UD	ug/L	5	1.4	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.70	UD	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,1-Dichloroethane [75-34-3] ^	0.65	UD	ug/L	5	0.65	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,1-Dichloroethene [75-35-4] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,1-Dichloropropene [563-58-6] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.060	UD	ug/L	5	0.060	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	1.2	UD	ug/L	5	1.2	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.70	UD	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	**770**	D	ug/L	5	0.50	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	2.4	UD	ug/L	5	2.4	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2-Dibromoethane [106-93-4] ^	3.3	UD	ug/L	5	3.3	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**8.0**	D	ug/L	5	0.95	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2-Dichloroethane [107-06-2] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.50	UD	ug/L	5	0.50	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	**180**	D	ug/L	5	1.5	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,3-Dichloropropane [142-28-9] ^	0.80	UD	ug/L	5	0.80	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.95	UD	ug/L	5	0.95	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
2,2-Dichloropropane [594-20-7] ^	1.4	UD	ug/L	5	1.4	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
2-Butanone [78-93-3] ^	6.5	UD	ug/L	5	6.5	25	2E29023	EPA 8260B	05/31/12 06:54	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	5.5	UD	ug/L	5	5.5	25	2E29023	EPA 8260B	05/31/12 06:54	JKG	
2-Chlorotoluene [95-49-8] ^	0.40	UD	ug/L	5	0.40	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
2-Hexanone [591-78-6] ^	4.4	UD	ug/L	5	4.4	25	2E29023	EPA 8260B	05/31/12 06:54	JKG	
4-Chlorotoluene [106-43-4] ^	0.34	UD	ug/L	5	0.34	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
4-Isopropyltoluene [99-87-6] ^	**16**	D	ug/L	5	0.42	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	5.5	UD	ug/L	5	5.5	25	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Acetone [67-64-1] ^	6.0	UD	ug/L	5	6.0	25	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Benzene [71-43-2] ^	**3.2**	JD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Bromobenzene [108-86-1] ^	0.80	UD	ug/L	5	0.80	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Bromochloromethane [74-97-5] ^	2.4	UD	ug/L	5	2.4	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Bromodichloromethane [75-27-4] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Bromoform [75-25-2] ^	1.1	UD	ug/L	5	1.1	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Bromomethane [74-83-9] ^	0.70	UD	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Carbon disulfide [75-15-0] ^	7.5	UD	ug/L	5	7.5	25	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Carbon tetrachloride [56-23-5] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Chlorobenzene [108-90-7] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Chloroethane [75-00-3] ^	1.2	UD	ug/L	5	1.2	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Chloroform [67-66-3] ^	0.90	UD	ug/L	5	0.90	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Chloromethane [74-87-3] ^	0.65	UD	ug/L	5	0.65	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Dibromochloromethane [124-48-1] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Dibromomethane [74-95-3] ^	1.4	UD	ug/L	5	1.4	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Dichlorodifluoromethane [75-71-8] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Ethylbenzene [100-41-4] ^	**680**	D	ug/L	5	0.65	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Hexachlorobutadiene [87-68-3] ^	1.1	UD	ug/L	5	1.1	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Isopropylbenzene [98-82-8] ^	**100**	D	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	**910**	D	ug/L	5	0.85	10	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Methylene chloride [75-09-2] ^	1.2	UD	ug/L	5	1.2	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	

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Description: GW-2
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-02
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.80	UD	ug/L	5	0.80	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Naphthalene [91-20-3] ^	**490**	D	ug/L	5	0.55	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
n-Butyl Benzene [104-51-8] ^	0.29	UD	ug/L	5	0.29	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
n-Propyl Benzene [103-65-1] ^	**190**	D	ug/L	5	0.60	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
o-Xylene [95-47-6] ^	**41**	D	ug/L	5	0.32	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
sec-Butylbenzene [135-98-8] ^	0.50	UD	ug/L	5	0.50	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Styrene [100-42-5] ^	0.55	UD	ug/L	5	0.55	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
tert-Butylbenzene [98-06-6] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Tetrachloroethene [127-18-4] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Toluene [108-88-3] ^	**17**	D	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Trichloroethene [79-01-6] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Trichlorofluoromethane [75-69-4] ^	1.2	UD	ug/L	5	1.2	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Vinyl chloride [75-01-4] ^	1.6	UD	ug/L	5	1.6	5.0	2E29023	EPA 8260B	05/31/12 06:54	JKG	
Xylenes (Total) [1330-20-7] ^	**950**	D	ug/L	5	2.2	15	2E29023	EPA 8260B	05/31/12 06:54	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*2E29023*	*EPA 8260B*	*05/31/12 06:54*	*JKG*	
Dibromofluoromethane	*39*	*1*	*50.0*	*78 %*	*68-117*	*2E29023*	*EPA 8260B*	*05/31/12 06:54*	*JKG*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*67-127*	*2E29023*	*EPA 8260B*	*05/31/12 06:54*	*JKG*	

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Description: GW-2
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-02
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
1,2-Dichlorobenzene [95-50-1] ^	**6.0**	JD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
1,3-Dichlorobenzene [541-73-1] ^	5.5	UD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
1,4-Dichlorobenzene [106-46-7] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
1-Methylnaphthalene [90-12-0] ^	**63**	D	ug/L	5	8.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2,4,5-Trichlorophenol [95-95-4] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2,4,6-Trichlorophenol [88-06-2] ^	5.5	UD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2,4-Dichlorophenol [120-83-2] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2,4-Dimethylphenol [105-67-9] ^	**7.0**	JD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2,4-Dinitrophenol [51-28-5] ^	13	UD	ug/L	5	13	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2,4-Dinitrotoluene [121-14-2] ^	12	UD	ug/L	5	12	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2,6-Dinitrotoluene [606-20-2] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2-Chloronaphthalene [91-58-7] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2-Chlorophenol [95-57-8] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2-Methyl-4,6-dinitrophenol [534-52-1] ^	14	UD	ug/L	5	14	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2-Methylnaphthalene [91-57-6] ^	**110**	D	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2-Methylphenol [95-48-7] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2-Nitroaniline [88-74-4] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
2-Nitrophenol [88-75-5] ^	5.5	UD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
3 & 4-Methylphenol [108-39-4/106-44-5] ^	8.0	UD	ug/L	5	8.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
3,3'-Dichlorobenzidine [91-94-1] ^	16	UD	ug/L	5	16	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
3-Nitroaniline [99-09-2] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
4-Bromophenyl-phenylether [101-55-3] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
4-Chloro-3-methylphenol [59-50-7] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
4-Chloroaniline [106-47-8] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
4-Chlorophenyl-phenylether [7005-72-3] ^	8.0	UD	ug/L	5	8.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
4-Nitroaniline [100-01-6] ^	16	UD	ug/L	5	16	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
4-Nitrophenol [100-02-7] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	QV-01, R-05
Acenaphthene [83-32-9] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Acenaphthylene [208-96-8] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Anthracene [120-12-7] ^	8.0	UD	ug/L	5	8.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Benzidine [92-87-5] ^	8.0	UD	ug/L	5	8.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Benzo(a)anthracene [56-55-3] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Benzo(a)pyrene [50-32-8] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Benzo(b)fluoranthene [205-99-2] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Benzo(g,h,i)perylene [191-24-2] ^	12	UD	ug/L	5	12	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Benzo(k)fluoranthene [207-08-9] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Benzoic acid [65-85-0] ^	5.0	UD	ug/L	5	5.0	250	2E31017	EPA 8270D	06/08/12 01:03	DFM	QV-01, R-05
Benzyl alcohol [100-51-6] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Bis(2-chloroethoxy)methane [111-91-1] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Bis(2-chloroethyl)ether [111-44-4] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Bis(2-chloroisopropyl)ether [108-60-1] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Bis(2-ethylhexyl)phthalate [117-81-7] ^	8.5	UD	ug/L	5	8.5	25	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Butylbenzylphthalate [85-68-7] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Chrysene [218-01-9] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Dibenzo(a,h)anthracene [53-70-3] ^	12	UD	ug/L	5	12	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Dibenzofuran [132-64-9] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Diethylphthalate [84-66-2] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Dimethylphthalate [131-11-3] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Di-n-butylphthalate [84-74-2] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05

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Description: GW-2
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-02
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Di-n-octylphthalate [117-84-0] ^	16	UD	ug/L	5	16	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Fluoranthene [206-44-0] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Fluorene [86-73-7] ^	8.5	UD	ug/L	5	8.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Hexachlorobenzene [118-74-1] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Hexachlorobutadiene [87-68-3] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Hexachlorocyclopentadiene [77-47-4] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Hexachloroethane [67-72-1] ^	5.5	UD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Indeno(1,2,3-cd)pyrene [193-39-5] ^	11	UD	ug/L	5	11	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Isophorone [78-59-1] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Naphthalene [91-20-3] ^	**220**	D	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Nitrobenzene [98-95-3] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
N-Nitrosodimethylamine [62-75-9] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
N-Nitroso-di-n-propylamine [621-64-7] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Pentachlorophenol [87-86-5] ^	9.0	UD	ug/L	5	9.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Phenanthrene [85-01-8] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Phenol [108-95-2] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Pyrene [129-00-0] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05
Pyridine [110-86-1] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:03	DFM	R-05

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*120*	*5*	*100*	*119 %*	*10-179*	*2E31017*	*EPA 8270D*	*06/08/12 01:03*	*DFM*	*R-05*
2-Fluorobiphenyl	*56*	*5*	*50.0*	*111 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/08/12 01:03*	*DFM*	*R-05*
2-Fluorophenol	*51*	*5*	*100*	*51 %*	*10-110*	*2E31017*	*EPA 8270D*	*06/08/12 01:03*	*DFM*	*R-05*
Nitrobenzene-d5	*44*	*5*	*50.0*	*88 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/08/12 01:03*	*DFM*	*R-05*
Phenol-d5	*45*	*5*	*100*	*45 %*	*10-88*	*2E31017*	*EPA 8270D*	*06/08/12 01:03*	*DFM*	*R-05*
Terphenyl-d14	*73*	*5*	*50.0*	*147 %*	*10-188*	*2E31017*	*EPA 8270D*	*06/08/12 01:03*	*DFM*	*R-05*

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: GW-3
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-03
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	1.7	UD	ug/L	10	1.7	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,1,1-Trichloroethane [71-55-6] ^	1.2	UD	ug/L	10	1.2	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	2.8	UD	ug/L	10	2.8	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,1,2-Trichloroethane [79-00-5] ^	1.4	UD	ug/L	10	1.4	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,1-Dichloroethane [75-34-3] ^	1.3	UD	ug/L	10	1.3	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,1-Dichloroethene [75-35-4] ^	2.1	UD	ug/L	10	2.1	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,1-Dichloropropene [563-58-6] ^	1.5	UD	ug/L	10	1.5	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.12	UD	ug/L	10	0.12	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2,3-Trichloropropane [96-18-4] ^	2.3	UD	ug/L	10	2.3	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	1.4	UD	ug/L	10	1.4	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	**400**	D	ug/L	10	1.0	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	4.8	UD	ug/L	10	4.8	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2-Dibromoethane [106-93-4] ^	6.6	UD	ug/L	10	6.6	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**12**	D	ug/L	10	1.9	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2-Dichloroethane [107-06-2] ^	2.1	UD	ug/L	10	2.1	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,2-Dichloropropane [78-87-5] ^	1.0	UD	ug/L	10	1.0	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	**93**	D	ug/L	10	3.0	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,3-Dichlorobenzene [541-73-1] ^	1.5	UD	ug/L	10	1.5	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,3-Dichloropropane [142-28-9] ^	1.6	UD	ug/L	10	1.6	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
1,4-Dichlorobenzene [106-46-7] ^	1.9	UD	ug/L	10	1.9	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
2,2-Dichloropropane [594-20-7] ^	2.8	UD	ug/L	10	2.8	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
2-Butanone [78-93-3] ^	13	UD	ug/L	10	13	50	2E29023	EPA 8260B	05/31/12 07:24	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	11	UD	ug/L	10	11	50	2E29023	EPA 8260B	05/31/12 07:24	JKG	
2-Chlorotoluene [95-49-8] ^	0.81	UD	ug/L	10	0.81	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
2-Hexanone [591-78-6] ^	8.8	UD	ug/L	10	8.8	50	2E29023	EPA 8260B	05/31/12 07:24	JKG	
4-Chlorotoluene [106-43-4] ^	0.68	UD	ug/L	10	0.68	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
4-Isopropyltoluene [99-87-6] ^	0.85	UD	ug/L	10	0.85	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
4-Methyl-2-pentanone [108-10-1] ^	11	UD	ug/L	10	11	50	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Acetone [67-64-1] ^	12	UD	ug/L	10	12	50	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Benzene [71-43-2] ^	1.5	UD	ug/L	10	1.5	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Bromobenzene [108-86-1] ^	1.6	UD	ug/L	10	1.6	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Bromochloromethane [74-97-5] ^	4.8	UD	ug/L	10	4.8	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Bromodichloromethane [75-27-4] ^	1.7	UD	ug/L	10	1.7	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Bromoform [75-25-2] ^	2.2	UD	ug/L	10	2.2	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Bromomethane [74-83-9] ^	1.4	UD	ug/L	10	1.4	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Carbon disulfide [75-15-0] ^	15	UD	ug/L	10	15	50	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Carbon tetrachloride [56-23-5] ^	1.7	UD	ug/L	10	1.7	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Chlorobenzene [108-90-7] ^	1.7	UD	ug/L	10	1.7	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Chloroethane [75-00-3] ^	2.3	UD	ug/L	10	2.3	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Chloroform [67-66-3] ^	1.8	UD	ug/L	10	1.8	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Chloromethane [74-87-3] ^	1.3	UD	ug/L	10	1.3	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	1.5	UD	ug/L	10	1.5	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	2.0	UD	ug/L	10	2.0	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Dibromochloromethane [124-48-1] ^	1.7	UD	ug/L	10	1.7	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Dibromomethane [74-95-3] ^	2.7	UD	ug/L	10	2.7	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Dichlorodifluoromethane [75-71-8] ^	2.0	UD	ug/L	10	2.0	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Ethylbenzene [100-41-4] ^	**500**	D	ug/L	10	1.3	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Hexachlorobutadiene [87-68-3] ^	2.2	UD	ug/L	10	2.2	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Isopropylbenzene [98-82-8] ^	**65**	D	ug/L	10	1.4	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	**920**	D	ug/L	10	1.7	20	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Methylene chloride [75-09-2] ^	2.3	UD	ug/L	10	2.3	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	

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Description: GW-3
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-03
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	1.6	UD	ug/L	10	1.6	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Naphthalene [91-20-3] ^	**260**	D	ug/L	10	1.1	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
n-Butyl Benzene [104-51-8] ^	0.58	UD	ug/L	10	0.58	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
n-Propyl Benzene [103-65-1] ^	**110**	D	ug/L	10	1.2	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
o-Xylene [95-47-6] ^	**67**	D	ug/L	10	0.65	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
sec-Butylbenzene [135-98-8] ^	1.0	UD	ug/L	10	1.0	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Styrene [100-42-5] ^	1.1	UD	ug/L	10	1.1	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
tert-Butylbenzene [98-06-6] ^	1.7	UD	ug/L	10	1.7	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Tetrachloroethene [127-18-4] ^	1.7	UD	ug/L	10	1.7	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Toluene [108-88-3] ^	**21**	D	ug/L	10	1.4	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	2.1	UD	ug/L	10	2.1	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	1.5	UD	ug/L	10	1.5	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Trichloroethene [79-01-6] ^	1.5	UD	ug/L	10	1.5	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Trichlorofluoromethane [75-69-4] ^	2.4	UD	ug/L	10	2.4	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Vinyl chloride [75-01-4] ^	3.2	UD	ug/L	10	3.2	10	2E29023	EPA 8260B	05/31/12 07:24	JKG	
Xylenes (Total) [1330-20-7] ^	**980**	D	ug/L	10	4.5	30	2E29023	EPA 8260B	05/31/12 07:24	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*2E29023*	*EPA 8260B*	*05/31/12 07:24*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*76 %*	*68-117*	*2E29023*	*EPA 8260B*	*05/31/12 07:24*	*JKG*	
Toluene-d8	*40*	*1*	*50.0*	*79 %*	*67-127*	*2E29023*	*EPA 8260B*	*05/31/12 07:24*	*JKG*	

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Description: GW-3
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-03
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
1,2-Dichlorobenzene [95-50-1] ^	**9.0**	JD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
1,3-Dichlorobenzene [541-73-1] ^	5.5	UD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
1,4-Dichlorobenzene [106-46-7] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
1-Methylnaphthalene [90-12-0] ^	**51**	D	ug/L	5	8.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2,4,5-Trichlorophenol [95-95-4] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2,4,6-Trichlorophenol [88-06-2] ^	5.5	UD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2,4-Dichlorophenol [120-83-2] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2,4-Dimethylphenol [105-67-9] ^	**6.8**	JD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2,4-Dinitrophenol [51-28-5] ^	13	UD	ug/L	5	13	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2,4-Dinitrotoluene [121-14-2] ^	12	UD	ug/L	5	12	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2,6-Dinitrotoluene [606-20-2] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2-Chloronaphthalene [91-58-7] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2-Chlorophenol [95-57-8] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2-Methyl-4,6-dinitrophenol [534-52-1] ^	14	UD	ug/L	5	14	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2-Methylnaphthalene [91-57-6] ^	**81**	D	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2-Methylphenol [95-48-7] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2-Nitroaniline [88-74-4] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
2-Nitrophenol [88-75-5] ^	5.5	UD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
3 & 4-Methylphenol [108-39-4/106-44-5] ^	8.0	UD	ug/L	5	8.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
3,3'-Dichlorobenzidine [91-94-1] ^	16	UD	ug/L	5	16	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
3-Nitroaniline [99-09-2] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
4-Bromophenyl-phenylether [101-55-3] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
4-Chloro-3-methylphenol [59-50-7] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
4-Chloroaniline [106-47-8] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
4-Chlorophenyl-phenylether [7005-72-3] ^	8.0	UD	ug/L	5	8.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
4-Nitroaniline [100-01-6] ^	16	UD	ug/L	5	16	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
4-Nitrophenol [100-02-7] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	QV-01, R-05
Acenaphthene [83-32-9] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Acenaphthylene [208-96-8] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Anthracene [120-12-7] ^	8.0	UD	ug/L	5	8.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Benzidine [92-87-5] ^	8.0	UD	ug/L	5	8.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Benzo(a)anthracene [56-55-3] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Benzo(a)pyrene [50-32-8] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Benzo(b)fluoranthene [205-99-2] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Benzo(g,h,i)perylene [191-24-2] ^	12	UD	ug/L	5	12	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Benzo(k)fluoranthene [207-08-9] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Benzoic acid [65-85-0] ^	5.0	UD	ug/L	5	5.0	250	2E31017	EPA 8270D	06/08/12 01:31	DFM	QV-01, R-05
Benzyl alcohol [100-51-6] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Bis(2-chloroethoxy)methane [111-91-1] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Bis(2-chloroethyl)ether [111-44-4] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Bis(2-chloroisopropyl)ether [108-60-1] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Bis(2-ethylhexyl)phthalate [117-81-7] ^	8.5	UD	ug/L	5	8.5	25	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Butylbenzylphthalate [85-68-7] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Chrysene [218-01-9] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Dibenzo(a,h)anthracene [53-70-3] ^	12	UD	ug/L	5	12	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Dibenzofuran [132-64-9] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Diethylphthalate [84-66-2] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Dimethylphthalate [131-11-3] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Di-n-butylphthalate [84-74-2] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05

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Description: GW-3
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-03
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Di-n-octylphthalate [117-84-0] ^	16	UD	ug/L	5	16	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Fluoranthene [206-44-0] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Fluorene [86-73-7] ^	8.5	UD	ug/L	5	8.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Hexachlorobenzene [118-74-1] ^	5.0	UD	ug/L	5	5.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Hexachlorobutadiene [87-68-3] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Hexachlorocyclopentadiene [77-47-4] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Hexachloroethane [67-72-1] ^	5.5	UD	ug/L	5	5.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Indeno(1,2,3-cd)pyrene [193-39-5] ^	11	UD	ug/L	5	11	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Isophorone [78-59-1] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Naphthalene [91-20-3] ^	**170**	D	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Nitrobenzene [98-95-3] ^	6.0	UD	ug/L	5	6.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
N-Nitrosodimethylamine [62-75-9] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
N-Nitroso-di-n-propylamine [621-64-7] ^	7.5	UD	ug/L	5	7.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Pentachlorophenol [87-86-5] ^	9.0	UD	ug/L	5	9.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Phenanthrene [85-01-8] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Phenol [108-95-2] ^	7.0	UD	ug/L	5	7.0	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Pyrene [129-00-0] ^	10	UD	ug/L	5	10	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05
Pyridine [110-86-1] ^	6.5	UD	ug/L	5	6.5	50	2E31017	EPA 8270D	06/08/12 01:31	DFM	R-05

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*120*	*5*	*100*	*116 %*	*10-179*	*2E31017*	*EPA 8270D*	*06/08/12 01:31*	*DFM*	*R-05*
2-Fluorobiphenyl	*53*	*5*	*50.0*	*106 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/08/12 01:31*	*DFM*	*R-05*
2-Fluorophenol	*51*	*5*	*100*	*51 %*	*10-110*	*2E31017*	*EPA 8270D*	*06/08/12 01:31*	*DFM*	*R-05*
Nitrobenzene-d5	*44*	*5*	*50.0*	*88 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/08/12 01:31*	*DFM*	*R-05*
Phenol-d5	*48*	*5*	*100*	*48 %*	*10-88*	*2E31017*	*EPA 8270D*	*06/08/12 01:31*	*DFM*	*R-05*
Terphenyl-d14	*72*	*5*	*50.0*	*143 %*	*10-188*	*2E31017*	*EPA 8270D*	*06/08/12 01:31*	*DFM*	*R-05*

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: GW-4
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-04
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.60	UD	ug/L	5	0.60	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.4	UD	ug/L	5	1.4	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.70	UD	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,1-Dichloroethane [75-34-3] ^	0.65	UD	ug/L	5	0.65	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,1-Dichloroethene [75-35-4] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,1-Dichloropropene [563-58-6] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.060	UD	ug/L	5	0.060	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	1.2	UD	ug/L	5	1.2	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.70	UD	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	**33**	D	ug/L	5	0.50	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	2.4	UD	ug/L	5	2.4	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2-Dibromoethane [106-93-4] ^	3.3	UD	ug/L	5	3.3	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**2.9**	JD	ug/L	5	0.95	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2-Dichloroethane [107-06-2] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.50	UD	ug/L	5	0.50	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	1.5	UD	ug/L	5	1.5	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,3-Dichloropropane [142-28-9] ^	0.80	UD	ug/L	5	0.80	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.95	UD	ug/L	5	0.95	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
2,2-Dichloropropane [594-20-7] ^	1.4	UD	ug/L	5	1.4	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
2-Butanone [78-93-3] ^	6.5	UD	ug/L	5	6.5	25	2E29023	EPA 8260B	05/31/12 07:53	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	5.5	UD	ug/L	5	5.5	25	2E29023	EPA 8260B	05/31/12 07:53	JKG	
2-Chlorotoluene [95-49-8] ^	0.40	UD	ug/L	5	0.40	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
2-Hexanone [591-78-6] ^	4.4	UD	ug/L	5	4.4	25	2E29023	EPA 8260B	05/31/12 07:53	JKG	
4-Chlorotoluene [106-43-4] ^	0.34	UD	ug/L	5	0.34	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
4-Isopropyltoluene [99-87-6] ^	**5.2**	D	ug/L	5	0.42	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	5.5	UD	ug/L	5	5.5	25	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Acetone [67-64-1] ^	**25**	D	ug/L	5	6.0	25	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Benzene [71-43-2] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Bromobenzene [108-86-1] ^	0.80	UD	ug/L	5	0.80	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Bromochloromethane [74-97-5] ^	2.4	UD	ug/L	5	2.4	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Bromodichloromethane [75-27-4] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Bromoform [75-25-2] ^	1.1	UD	ug/L	5	1.1	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Bromomethane [74-83-9] ^	0.70	UD	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Carbon disulfide [75-15-0] ^	7.5	UD	ug/L	5	7.5	25	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Chlorobenzene [108-90-7] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Chloroethane [75-00-3] ^	1.2	UD	ug/L	5	1.2	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Chloroform [67-66-3] ^	0.90	UD	ug/L	5	0.90	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Chloromethane [74-87-3] ^	0.65	UD	ug/L	5	0.65	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Dibromochloromethane [124-48-1] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Dibromomethane [74-95-3] ^	1.4	UD	ug/L	5	1.4	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Dichlorodifluoromethane [75-71-8] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Ethylbenzene [100-41-4] ^	**460**	D	ug/L	5	0.65	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Hexachlorobutadiene [87-68-3] ^	1.1	UD	ug/L	5	1.1	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Isopropylbenzene [98-82-8] ^	**120**	D	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	**39**	D	ug/L	5	0.85	10	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Methylene chloride [75-09-2] ^	1.2	UD	ug/L	5	1.2	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	

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Description: GW-4
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-04
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.80	UD	ug/L	5	0.80	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Naphthalene [91-20-3] ^	**480**	D	ug/L	5	0.55	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
n-Butyl Benzene [104-51-8] ^	0.29	UD	ug/L	5	0.29	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
n-Propyl Benzene [103-65-1] ^	**240**	D	ug/L	5	0.60	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
o-Xylene [95-47-6] ^	0.32	UD	ug/L	5	0.32	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
sec-Butylbenzene [135-98-8] ^	**15**	D	ug/L	5	0.50	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Styrene [100-42-5] ^	0.55	UD	ug/L	5	0.55	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
tert-Butylbenzene [98-06-6] ^	**3.8**	JD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Tetrachloroethene [127-18-4] ^	0.85	UD	ug/L	5	0.85	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Toluene [108-88-3] ^	**6.2**	D	ug/L	5	0.70	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	1.0	UD	ug/L	5	1.0	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Trichloroethene [79-01-6] ^	0.75	UD	ug/L	5	0.75	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Trichlorofluoromethane [75-69-4] ^	1.2	UD	ug/L	5	1.2	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Vinyl chloride [75-01-4] ^	1.6	UD	ug/L	5	1.6	5.0	2E29023	EPA 8260B	05/31/12 07:53	JKG	
Xylenes (Total) [1330-20-7] ^	**39**	D	ug/L	5	2.2	15	2E29023	EPA 8260B	05/31/12 07:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*2E29023*	*EPA 8260B*	*05/31/12 07:53*	*JKG*	
Dibromofluoromethane	*37*	*1*	*50.0*	*75 %*	*68-117*	*2E29023*	*EPA 8260B*	*05/31/12 07:53*	*JKG*	
Toluene-d8	*40*	*1*	*50.0*	*81 %*	*67-127*	*2E29023*	*EPA 8260B*	*05/31/12 07:53*	*JKG*	

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Description: GW-4
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-04
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
1,2-Dichlorobenzene [95-50-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
1,3-Dichlorobenzene [541-73-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
1,4-Dichlorobenzene [106-46-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
1-Methylnaphthalene [90-12-0] ^	**45**		ug/L	1	1.7	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2,6-Dinitrotoluene [606-20-2] ^	**3.5**	J	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2-Methylnaphthalene [91-57-6] ^	**67**		ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	QV-01
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Benzidine [92-87-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Benzoic acid [65-85-0] ^	1.0	U	ug/L	1	1.0	50	2E31017	EPA 8270D	06/07/12 21:53	DFM	QV-01
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	

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Description: GW-4
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-04
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Naphthalene [91-20-3] ^	**170**	D	ug/L	4	5.2	40	2E31017	EPA 8270D	06/12/12 08:22	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Pentachlorophenol [87-86-5] ^	1.8	U	ug/L	1	1.8	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	
Pyridine [110-86-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 21:53	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*89*	*1*	*100*	*89 %*	*10-179*	*2E31017*	*EPA 8270D*	*06/07/12 21:53*	*DFM*	
2-Fluorobiphenyl	*36*	*1*	*50.0*	*72 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/07/12 21:53*	*DFM*	
2-Fluorophenol	*46*	*1*	*100*	*46 %*	*10-110*	*2E31017*	*EPA 8270D*	*06/07/12 21:53*	*DFM*	
Nitrobenzene-d5	*33*	*1*	*50.0*	*67 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/07/12 21:53*	*DFM*	
Phenol-d5	*43*	*1*	*100*	*43 %*	*10-88*	*2E31017*	*EPA 8270D*	*06/07/12 21:53*	*DFM*	
Terphenyl-d14	*50*	*1*	*50.0*	*101 %*	*10-188*	*2E31017*	*EPA 8270D*	*06/07/12 21:53*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: GW-5
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-05
Sampled: 05/24/12 11:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.012	U	ug/L	1	0.012	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.30	U	ug/L	1	0.30	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.1	U	ug/L	1	1.1	5.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
2-Chlorotoluene [95-49-8] ^	0.081	U	ug/L	1	0.081	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
4-Chlorotoluene [106-43-4] ^	0.068	U	ug/L	1	0.068	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
4-Isopropyltoluene [99-87-6] ^	0.085	U	ug/L	1	0.085	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Bromobenzene [108-86-1] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Hexachlorobutadiene [87-68-3] ^	0.22	U	ug/L	1	0.22	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Isopropylbenzene [98-82-8] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	

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Description: GW-5
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-05
Sampled: 05/24/12 11:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
n-Butyl Benzene [104-51-8] ^	0.058	U	ug/L	1	0.058	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
n-Propyl Benzene [103-65-1] ^	0.12	U	ug/L	1	0.12	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
sec-Butylbenzene [135-98-8] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
tert-Butylbenzene [98-06-6] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	2E29023	EPA 8260B	05/31/12 05:56	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*51-122*	*2E29023*	*EPA 8260B*	*05/31/12 05:56*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*68-117*	*2E29023*	*EPA 8260B*	*05/31/12 05:56*	*JKG*	
Toluene-d8	*40*	*1*	*50.0*	*81 %*	*67-127*	*2E29023*	*EPA 8260B*	*05/31/12 05:56*	*JKG*	

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Description: GW-5
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-05
Sampled: 05/24/12 11:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
1,2-Dichlorobenzene [95-50-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
1,3-Dichlorobenzene [541-73-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
1,4-Dichlorobenzene [106-46-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
1-Methylnaphthalene [90-12-0] ^	1.7	U	ug/L	1	1.7	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	QV-01
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Benzidine [92-87-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Benzoic acid [65-85-0] ^	**2.6**	J	ug/L	1	1.0	50	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	

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Description: GW-5
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-05
Sampled: 05/24/12 11:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Naphthalene [91-20-3] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Pentachlorophenol [87-86-5] ^	1.8	U	ug/L	1	1.8	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	
Pyridine [110-86-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/07/12 23:42	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*77*	*1*	*100*	*77 %*	*10-179*	*2E31017*	*EPA 8270D*	*06/07/12 23:42*	*DFM*	
2-Fluorobiphenyl	*34*	*1*	*50.0*	*68 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/07/12 23:42*	*DFM*	
2-Fluorophenol	*45*	*1*	*100*	*45 %*	*10-110*	*2E31017*	*EPA 8270D*	*06/07/12 23:42*	*DFM*	
Nitrobenzene-d5	*35*	*1*	*50.0*	*70 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/07/12 23:42*	*DFM*	
Phenol-d5	*38*	*1*	*100*	*38 %*	*10-88*	*2E31017*	*EPA 8270D*	*06/07/12 23:42*	*DFM*	
Terphenyl-d14	*47*	*1*	*50.0*	*93 %*	*10-188*	*2E31017*	*EPA 8270D*	*06/07/12 23:42*	*DFM*	

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Description: GW-6
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-06
Sampled: 05/24/12 12:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.012	U	ug/L	1	0.012	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.30	U	ug/L	1	0.30	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.1	U	ug/L	1	1.1	5.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
2-Chlorotoluene [95-49-8] ^	0.081	U	ug/L	1	0.081	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
4-Chlorotoluene [106-43-4] ^	0.068	U	ug/L	1	0.068	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
4-Isopropyltoluene [99-87-6] ^	0.085	U	ug/L	1	0.085	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Bromobenzene [108-86-1] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Hexachlorobutadiene [87-68-3] ^	0.22	U	ug/L	1	0.22	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Isopropylbenzene [98-82-8] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	

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Description: GW-6
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-06
Sampled: 05/24/12 12:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
n-Butyl Benzene [104-51-8] ^	0.058	U	ug/L	1	0.058	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
n-Propyl Benzene [103-65-1] ^	0.12	U	ug/L	1	0.12	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
sec-Butylbenzene [135-98-8] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
tert-Butylbenzene [98-06-6] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	2E29023	EPA 8260B	05/31/12 01:31	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*51-122*	*2E29023*	*EPA 8260B*	*05/31/12 01:31*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*68-117*	*2E29023*	*EPA 8260B*	*05/31/12 01:31*	*JKG*	
Toluene-d8	*40*	*1*	*50.0*	*81 %*	*67-127*	*2E29023*	*EPA 8260B*	*05/31/12 01:31*	*JKG*	

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Description: GW-6
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-06
Sampled: 05/24/12 12:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
1,2-Dichlorobenzene [95-50-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
1,3-Dichlorobenzene [541-73-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
1,4-Dichlorobenzene [106-46-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
1-Methylnaphthalene [90-12-0] ^	1.7	U	ug/L	1	1.7	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	QV-01
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Benzidine [92-87-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Benzoic acid [65-85-0] ^	1.0	U	ug/L	1	1.0	50	2E31017	EPA 8270D	06/08/12 00:09	DFM	QV-01
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	

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Description: GW-6
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-06
Sampled: 05/24/12 12:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Naphthalene [91-20-3] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Pentachlorophenol [87-86-5] ^	1.8	U	ug/L	1	1.8	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	
Pyridine [110-86-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:09	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*76*	*1*	*100*	*76 %*	*10-179*	*2E31017*	*EPA 8270D*	*06/08/12 00:09*	*DFM*	
2-Fluorobiphenyl	*33*	*1*	*50.0*	*66 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/08/12 00:09*	*DFM*	
2-Fluorophenol	*43*	*1*	*100*	*43 %*	*10-110*	*2E31017*	*EPA 8270D*	*06/08/12 00:09*	*DFM*	
Nitrobenzene-d5	*35*	*1*	*50.0*	*69 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/08/12 00:09*	*DFM*	
Phenol-d5	*35*	*1*	*100*	*35 %*	*10-88*	*2E31017*	*EPA 8270D*	*06/08/12 00:09*	*DFM*	
Terphenyl-d14	*44*	*1*	*50.0*	*87 %*	*10-188*	*2E31017*	*EPA 8270D*	*06/08/12 00:09*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: GW-7
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-07
Sampled: 05/24/12 13:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.012	U	ug/L	1	0.012	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.30	U	ug/L	1	0.30	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.1	U	ug/L	1	1.1	5.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
2-Chlorotoluene [95-49-8] ^	0.081	U	ug/L	1	0.081	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
4-Chlorotoluene [106-43-4] ^	0.068	U	ug/L	1	0.068	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
4-Isopropyltoluene [99-87-6] ^	0.085	U	ug/L	1	0.085	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Bromobenzene [108-86-1] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Hexachlorobutadiene [87-68-3] ^	0.22	U	ug/L	1	0.22	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Isopropylbenzene [98-82-8] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	

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Description: GW-7
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-07
Sampled: 05/24/12 13:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.16	U	ug/L	1	0.16	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
n-Butyl Benzene [104-51-8] ^	0.058	U	ug/L	1	0.058	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
n-Propyl Benzene [103-65-1] ^	0.12	U	ug/L	1	0.12	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
sec-Butylbenzene [135-98-8] ^	0.10	U	ug/L	1	0.10	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
tert-Butylbenzene [98-06-6] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	2E29023	EPA 8260B	05/31/12 02:00	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*51-122*	*2E29023*	*EPA 8260B*	*05/31/12 02:00*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*68-117*	*2E29023*	*EPA 8260B*	*05/31/12 02:00*	*JKG*	
Toluene-d8	*40*	*1*	*50.0*	*79 %*	*67-127*	*2E29023*	*EPA 8260B*	*05/31/12 02:00*	*JKG*	

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Description: GW-7
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-07
Sampled: 05/24/12 13:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
1,2-Dichlorobenzene [95-50-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
1,3-Dichlorobenzene [541-73-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
1,4-Dichlorobenzene [106-46-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
1-Methylnaphthalene [90-12-0] ^	1.7	U	ug/L	1	1.7	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	QV-01
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Benzidine [92-87-5] ^	1.6	U	ug/L	1	1.6	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Benzoic acid [65-85-0] ^	1.0	U	ug/L	1	1.0	50	2E31017	EPA 8270D	06/08/12 00:36	DFM	QV-01
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	**15**		ug/L	1	1.7	5.0	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Di-n-octylphthalate [117-84-0] ^	**5.4**	J	ug/L	1	3.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	

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Description: GW-7
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-07
Sampled: 05/24/12 13:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Naphthalene [91-20-3] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Pentachlorophenol [87-86-5] ^	1.8	U	ug/L	1	1.8	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	
Pyridine [110-86-1] ^	1.3	U	ug/L	1	1.3	10	2E31017	EPA 8270D	06/08/12 00:36	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*77*	*1*	*100*	*77 %*	*10-179*	*2E31017*	*EPA 8270D*	*06/08/12 00:36*	*DFM*	
2-Fluorobiphenyl	*36*	*1*	*50.0*	*71 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/08/12 00:36*	*DFM*	
2-Fluorophenol	*49*	*1*	*100*	*49 %*	*10-110*	*2E31017*	*EPA 8270D*	*06/08/12 00:36*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*77 %*	*10-149*	*2E31017*	*EPA 8270D*	*06/08/12 00:36*	*DFM*	
Phenol-d5	*41*	*1*	*100*	*41 %*	*10-88*	*2E31017*	*EPA 8270D*	*06/08/12 00:36*	*DFM*	
Terphenyl-d14	*48*	*1*	*50.0*	*96 %*	*10-188*	*2E31017*	*EPA 8270D*	*06/08/12 00:36*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-1
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-08
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.9

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00064	U	mg/kg dry	1	0.00064	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00079	U	mg/kg dry	1	0.00079	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00046	U	mg/kg dry	1	0.00046	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00041	U	mg/kg dry	1	0.00041	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00022	U	mg/kg dry	1	0.00022	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00029	U	mg/kg dry	1	0.00029	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00020	U	mg/kg dry	1	0.00020	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
2-Butanone [78-93-3] ^	0.00078	U	mg/kg dry	1	0.00078	0.0050	2F04012	EPA 8260B	06/04/12 15:41	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00016	U	mg/kg dry	1	0.00016	0.0050	2F04012	EPA 8260B	06/04/12 15:41	JKG	
2-Chlorotoluene [95-49-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
2-Hexanone [591-78-6] ^	0.00075	U	mg/kg dry	1	0.00075	0.0050	2F04012	EPA 8260B	06/04/12 15:41	JKG	
4-Chlorotoluene [106-43-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00057	U	mg/kg dry	1	0.00057	0.0050	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Acetone [67-64-1] ^	**0.0074**		mg/kg dry	1	0.0014	0.0050	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Benzene [71-43-2] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Bromobenzene [108-86-1] ^	0.00022	U	mg/kg dry	1	0.00022	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Bromochloromethane [74-97-5] ^	0.00041	U	mg/kg dry	1	0.00041	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Bromodichloromethane [75-27-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Bromoform [75-25-2] ^	0.00045	U	mg/kg dry	1	0.00045	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Bromomethane [74-83-9] ^	0.00032	U	mg/kg dry	1	0.00032	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Carbon disulfide [75-15-0] ^	0.00039	U	mg/kg dry	1	0.00039	0.0050	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Chlorobenzene [108-90-7] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Chloroethane [75-00-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Chloroform [67-66-3] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Chloromethane [74-87-3] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Dibromochloromethane [124-48-1] ^	0.00035	U	mg/kg dry	1	0.00035	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Dibromomethane [74-95-3] ^	0.00033	U	mg/kg dry	1	0.00033	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00045	U	mg/kg dry	1	0.00045	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Ethylbenzene [100-41-4] ^	0.00020	U	mg/kg dry	1	0.00020	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Isopropylbenzene [98-82-8] ^	0.00015	U	mg/kg dry	1	0.00015	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00037	U	mg/kg dry	1	0.00037	0.0020	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Methylene Chloride [75-09-2] ^	**0.00073**	J	mg/kg dry	1	0.00073	0.0020	2F04012	EPA 8260B	06/04/12 15:41	JKG	

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Description: B-1
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-08
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.9

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Naphthalene [91-20-3] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
n-Butyl Benzene [104-51-8] ^	0.00013	U	mg/kg dry	1	0.00013	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
n-Propyl Benzene [103-65-1] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
o-Xylene [95-47-6] ^	0.00022	U	mg/kg dry	1	0.00022	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
sec-Butylbenzene [135-98-8] ^	0.00096	U	mg/kg dry	1	0.00096	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Styrene [100-42-5] ^	0.00099	U	mg/kg dry	1	0.00099	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
tert-Butylbenzene [98-06-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Tetrachloroethene [127-18-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Toluene [108-88-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00037	U	mg/kg dry	1	0.00037	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00039	U	mg/kg dry	1	0.00039	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Trichloroethene [79-01-6] ^	0.00032	U	mg/kg dry	1	0.00032	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Vinyl chloride [75-01-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	2F04012	EPA 8260B	06/04/12 15:41	JKG	
Xylenes (Total) [1330-20-7] ^	0.00056	U	mg/kg dry	1	0.00056	0.0030	2F04012	EPA 8260B	06/04/12 15:41	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*61-118*	*2F04012*	*EPA 8260B*	*06/04/12 15:41*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*66-114*	*2F04012*	*EPA 8260B*	*06/04/12 15:41*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*63-118*	*2F04012*	*EPA 8260B*	*06/04/12 15:41*	*JKG*	

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Description: B-1
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-08
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.9

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.027	U	mg/kg dry	1	0.027	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.024	U	mg/kg dry	1	0.024	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
1-Methylnaphthalene [90-12-0] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.029	U	mg/kg dry	1	0.029	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2-Chloronaphthalene [91-58-7] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2-Chlorophenol [95-57-8] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2-Methylnaphthalene [91-57-6] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2-Methylphenol [95-48-7] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2-Nitroaniline [88-74-4] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
2-Nitrophenol [88-75-5] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.12	U	mg/kg dry	1	0.12	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
3-Nitroaniline [99-09-2] ^	0.043	U	mg/kg dry	1	0.043	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
4-Nitroaniline [100-01-6] ^	0.063	U	mg/kg dry	1	0.063	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
4-Nitrophenol [100-02-7] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Acenaphthene [83-32-9] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Acenaphthylene [208-96-8] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Anthracene [120-12-7] ^	0.045	U	mg/kg dry	1	0.045	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Benzo(a)anthracene [56-55-3] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Benzo(a)pyrene [50-32-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.021	U	mg/kg dry	1	0.021	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	QV-01
Benzo(g,h,i)perylene [191-24-2] ^	0.056	U	mg/kg dry	1	0.056	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	QV-01
Benzoic acid [65-85-0] ^	0.18	U	mg/kg dry	1	0.18	2.0	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Benzyl alcohol [100-51-6] ^	0.027	U	mg/kg dry	1	0.027	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	0.029	U	mg/kg dry	1	0.029	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.042	U	mg/kg dry	1	0.042	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Butylbenzylphthalate [85-68-7] ^	0.048	U	mg/kg dry	1	0.048	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Chrysene [218-01-9] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.061	U	mg/kg dry	1	0.061	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Dibenzofuran [132-64-9] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Diethylphthalate [84-66-2] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Dimethylphthalate [131-11-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Di-n-butylphthalate [84-74-2] ^	0.049	U	mg/kg dry	1	0.049	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Di-n-octylphthalate [117-84-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	

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Description: B-1
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-08
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.9

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.043	U	mg/kg dry	1	0.043	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Fluorene [86-73-7] ^	0.035	U	mg/kg dry	1	0.035	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Hexachlorobenzene [118-74-1] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Hexachlorobutadiene [87-68-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.046	U	mg/kg dry	1	0.046	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Hexachloroethane [67-72-1] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.056	U	mg/kg dry	1	0.056	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Isophorone [78-59-1] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Naphthalene [91-20-3] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Nitrobenzene [98-95-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.096	U	mg/kg dry	1	0.096	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.064	U	mg/kg dry	1	0.064	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Pentachlorophenol [87-86-5] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Phenanthrene [85-01-8] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Phenol [108-95-2] ^	0.026	U	mg/kg dry	1	0.026	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Pyrene [129-00-0] ^	0.045	U	mg/kg dry	1	0.045	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	
Pyridine [110-86-1] ^	0.098	U	mg/kg dry	1	0.098	0.39	2F05032	EPA 8270D	06/12/12 02:36	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*2.7*	*1*	*3.97*	*69 %*	*28-130*	*2F05032*	*EPA 8270D*	*06/12/12 02:36*	*DFM*	
2-Fluorobiphenyl	*1.4*	*1*	*1.99*	*69 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 02:36*	*DFM*	
2-Fluorophenol	*2.2*	*1*	*3.97*	*55 %*	*49-126*	*2F05032*	*EPA 8270D*	*06/12/12 02:36*	*DFM*	
Nitrobenzene-d5	*1.4*	*1*	*1.99*	*72 %*	*50-117*	*2F05032*	*EPA 8270D*	*06/12/12 02:36*	*DFM*	
Phenol-d5	*2.5*	*1*	*3.97*	*63 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 02:36*	*DFM*	
Terphenyl-d14	*1.8*	*1*	*1.99*	*92 %*	*36-151*	*2F05032*	*EPA 8270D*	*06/12/12 02:36*	*DFM*	

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Description: B-2
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-09
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 87.1

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.15	UD	mg/kg dry	810	0.15	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.23	UD	mg/kg dry	810	0.23	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	UD	mg/kg dry	810	0.19	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.23	UD	mg/kg dry	810	0.23	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,1-Dichloroethane [75-34-3] ^	0.23	UD	mg/kg dry	810	0.23	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,1-Dichloroethene [75-35-4] ^	0.28	UD	mg/kg dry	810	0.28	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	UD	mg/kg dry	810	0.15	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.26	UD	mg/kg dry	810	0.26	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.60	UD	mg/kg dry	810	0.60	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.25	UD	mg/kg dry	810	0.25	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	**110**	D	mg/kg dry	810	0.16	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.73	UD	mg/kg dry	810	0.73	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2-Dibromoethane [106-93-4] ^	0.43	UD	mg/kg dry	810	0.43	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.25	UD	mg/kg dry	810	0.25	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2-Dichloroethane [107-06-2] ^	0.38	UD	mg/kg dry	810	0.38	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,2-Dichloropropane [78-87-5] ^	0.24	UD	mg/kg dry	810	0.24	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	**35**	D	mg/kg dry	810	0.19	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.20	UD	mg/kg dry	810	0.20	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,3-Dichloropropane [142-28-9] ^	0.27	UD	mg/kg dry	810	0.27	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	UD	mg/kg dry	810	0.19	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
2,2-Dichloropropane [594-20-7] ^	0.21	UD	mg/kg dry	810	0.21	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
2-Butanone [78-93-3] ^	0.73	UD	mg/kg dry	810	0.73	4.6	2F04016	EPA 8260B	06/04/12 17:15	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.15	UD	mg/kg dry	810	0.15	4.6	2F04016	EPA 8260B	06/04/12 17:15	JKG	
2-Chlorotoluene [95-49-8] ^	0.17	UD	mg/kg dry	810	0.17	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
2-Hexanone [591-78-6] ^	0.70	UD	mg/kg dry	810	0.70	4.6	2F04016	EPA 8260B	06/04/12 17:15	JKG	
4-Chlorotoluene [106-43-4] ^	0.24	UD	mg/kg dry	810	0.24	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
4-Isopropyltoluene [99-87-6] ^	**3.6**	D	mg/kg dry	810	0.15	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.53	UD	mg/kg dry	810	0.53	4.6	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Acetone [67-64-1] ^	1.3	UD	mg/kg dry	810	1.3	4.6	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Benzene [71-43-2] ^	0.16	UD	mg/kg dry	810	0.16	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Bromobenzene [108-86-1] ^	0.20	UD	mg/kg dry	810	0.20	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Bromochloromethane [74-97-5] ^	0.38	UD	mg/kg dry	810	0.38	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Bromodichloromethane [75-27-4] ^	0.22	UD	mg/kg dry	810	0.22	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Bromoform [75-25-2] ^	0.42	UD	mg/kg dry	810	0.42	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Bromomethane [74-83-9] ^	0.30	UD	mg/kg dry	810	0.30	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Carbon disulfide [75-15-0] ^	0.36	UD	mg/kg dry	810	0.36	4.6	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Carbon Tetrachloride [56-23-5] ^	0.20	UD	mg/kg dry	810	0.20	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Chlorobenzene [108-90-7] ^	0.16	UD	mg/kg dry	810	0.16	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Chloroethane [75-00-3] ^	0.23	UD	mg/kg dry	810	0.23	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Chloroform [67-66-3] ^	0.17	UD	mg/kg dry	810	0.17	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Chloromethane [74-87-3] ^	0.20	UD	mg/kg dry	810	0.20	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.21	UD	mg/kg dry	810	0.21	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.16	UD	mg/kg dry	810	0.16	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Dibromochloromethane [124-48-1] ^	0.33	UD	mg/kg dry	810	0.33	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Dibromomethane [74-95-3] ^	0.31	UD	mg/kg dry	810	0.31	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.42	UD	mg/kg dry	810	0.42	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Ethylbenzene [100-41-4] ^	**15**	D	mg/kg dry	810	0.19	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Hexachlorobutadiene [87-68-3] ^	0.33	UD	mg/kg dry	810	0.33	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Isopropylbenzene [98-82-8] ^	**5.3**	D	mg/kg dry	810	0.14	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	**19**	D	mg/kg dry	810	0.34	1.9	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Methylene Chloride [75-09-2] ^	0.68	UD	mg/kg dry	810	0.68	1.9	2F04016	EPA 8260B	06/04/12 17:15	JKG	

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Description: B-2
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-09
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 87.1

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.28	UD	mg/kg dry	810	0.28	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Naphthalene [91-20-3] ^	**19**	D	mg/kg dry	810	0.25	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
n-Butyl Benzene [104-51-8] ^	**9.6**	D	mg/kg dry	810	0.12	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
n-Propyl Benzene [103-65-1] ^	**15**	D	mg/kg dry	810	0.17	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
o-Xylene [95-47-6] ^	0.20	UD	mg/kg dry	810	0.20	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
sec-Butylbenzene [135-98-8] ^	0.88	UD	mg/kg dry	810	0.88	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Styrene [100-42-5] ^	0.91	UD	mg/kg dry	810	0.91	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
tert-Butylbenzene [98-06-6] ^	0.16	UD	mg/kg dry	810	0.16	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Tetrachloroethene [127-18-4] ^	0.26	UD	mg/kg dry	810	0.26	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Toluene [108-88-3] ^	0.22	UD	mg/kg dry	810	0.22	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	UD	mg/kg dry	810	0.34	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.36	UD	mg/kg dry	810	0.36	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Trichloroethene [79-01-6] ^	0.30	UD	mg/kg dry	810	0.30	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	UD	mg/kg dry	810	0.24	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Vinyl chloride [75-01-4] ^	0.22	UD	mg/kg dry	810	0.22	0.93	2F04016	EPA 8260B	06/04/12 17:15	JKG	
Xylenes (Total) [1330-20-7] ^	**19**	D	mg/kg dry	810	0.52	2.8	2F04016	EPA 8260B	06/04/12 17:15	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*56*	*1*	*50.0*	*112 %*	*61-118*	*2F04016*	*EPA 8260B*	*06/04/12 17:15*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*66-114*	*2F04016*	*EPA 8260B*	*06/04/12 17:15*	*JKG*	
Toluene-d8	*55*	*1*	*50.0*	*110 %*	*63-118*	*2F04016*	*EPA 8260B*	*06/04/12 17:15*	*JKG*	

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Description: B-2
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-09
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 87.1

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.026	U	mg/kg dry	1	0.026	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.023	U	mg/kg dry	1	0.023	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.024	U	mg/kg dry	1	0.024	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
1-Methylnaphthalene [90-12-0] ^	**2.5**		mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.028	U	mg/kg dry	1	0.028	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.049	U	mg/kg dry	1	0.049	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.049	U	mg/kg dry	1	0.049	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	0.032	U	mg/kg dry	1	0.032	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.036	U	mg/kg dry	1	0.036	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2-Chloronaphthalene [91-58-7] ^	0.032	U	mg/kg dry	1	0.032	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2-Chlorophenol [95-57-8] ^	0.029	U	mg/kg dry	1	0.029	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2-Methylnaphthalene [91-57-6] ^	**4.7**	D	mg/kg dry	2	0.064	0.76	2F05032	EPA 8270D	06/12/12 13:57	DFM	
2-Methylphenol [95-48-7] ^	0.029	U	mg/kg dry	1	0.029	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2-Nitroaniline [88-74-4] ^	0.034	U	mg/kg dry	1	0.034	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
2-Nitrophenol [88-75-5] ^	0.036	U	mg/kg dry	1	0.036	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.11	U	mg/kg dry	1	0.11	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
3-Nitroaniline [99-09-2] ^	0.041	U	mg/kg dry	1	0.041	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
4-Nitroaniline [100-01-6] ^	0.061	U	mg/kg dry	1	0.061	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
4-Nitrophenol [100-02-7] ^	0.036	U	mg/kg dry	1	0.036	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Acenaphthene [83-32-9] ^	0.032	U	mg/kg dry	1	0.032	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Acenaphthylene [208-96-8] ^	0.032	U	mg/kg dry	1	0.032	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Anthracene [120-12-7] ^	0.044	U	mg/kg dry	1	0.044	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Benzo(a)anthracene [56-55-3] ^	0.032	U	mg/kg dry	1	0.032	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Benzo(a)pyrene [50-32-8] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.021	U	mg/kg dry	1	0.021	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	QV-01
Benzo(g,h,i)perylene [191-24-2] ^	0.054	U	mg/kg dry	1	0.054	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	QV-01
Benzoic acid [65-85-0] ^	0.17	U	mg/kg dry	1	0.17	2.0	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Benzyl alcohol [100-51-6] ^	0.026	U	mg/kg dry	1	0.026	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.029	U	mg/kg dry	1	0.029	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.049	U	mg/kg dry	1	0.049	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	0.028	U	mg/kg dry	1	0.028	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.040	U	mg/kg dry	1	0.040	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Butylbenzylphthalate [85-68-7] ^	0.046	U	mg/kg dry	1	0.046	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Chrysene [218-01-9] ^	0.034	U	mg/kg dry	1	0.034	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.059	U	mg/kg dry	1	0.059	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Dibenzofuran [132-64-9] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Diethylphthalate [84-66-2] ^	0.032	U	mg/kg dry	1	0.032	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Dimethylphthalate [131-11-3] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Di-n-butylphthalate [84-74-2] ^	0.047	U	mg/kg dry	1	0.047	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Di-n-octylphthalate [117-84-0] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	

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Description: B-2
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-09
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 87.1

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.041	U	mg/kg dry	1	0.041	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Fluorene [86-73-7] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Hexachlorobenzene [118-74-1] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Hexachlorobutadiene [87-68-3] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.045	U	mg/kg dry	1	0.045	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Hexachloroethane [67-72-1] ^	0.024	U	mg/kg dry	1	0.024	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.054	U	mg/kg dry	1	0.054	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Isophorone [78-59-1] ^	0.034	U	mg/kg dry	1	0.034	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Naphthalene [91-20-3] ^	**2.7**	D	mg/kg dry	2	0.064	0.76	2F05032	EPA 8270D	06/12/12 13:57	DFM	
Nitrobenzene [98-95-3] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.024	U	mg/kg dry	1	0.024	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.093	U	mg/kg dry	1	0.093	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.062	U	mg/kg dry	1	0.062	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Pentachlorophenol [87-86-5] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Phenanthrene [85-01-8] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Phenol [108-95-2] ^	0.025	U	mg/kg dry	1	0.025	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Pyrene [129-00-0] ^	0.044	U	mg/kg dry	1	0.044	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	
Pyridine [110-86-1] ^	0.094	U	mg/kg dry	1	0.094	0.38	2F05032	EPA 8270D	06/12/12 03:02	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*2.8*	*1*	*3.83*	*74 %*	*28-130*	*2F05032*	*EPA 8270D*	*06/12/12 03:02*	*DFM*	
2-Fluorobiphenyl	*1.3*	*1*	*1.91*	*69 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 03:02*	*DFM*	
2-Fluorophenol	*2.3*	*1*	*3.83*	*59 %*	*49-126*	*2F05032*	*EPA 8270D*	*06/12/12 03:02*	*DFM*	
Nitrobenzene-d5	*1.7*	*1*	*1.91*	*86 %*	*50-117*	*2F05032*	*EPA 8270D*	*06/12/12 03:02*	*DFM*	
Phenol-d5	*2.4*	*1*	*3.83*	*64 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 03:02*	*DFM*	
Terphenyl-d14	*1.9*	*1*	*1.91*	*98 %*	*36-151*	*2F05032*	*EPA 8270D*	*06/12/12 03:02*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-3
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-10
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 84.5

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.055	UD	mg/kg dry	292	0.055	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.086	UD	mg/kg dry	292	0.086	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.069	UD	mg/kg dry	292	0.069	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.086	UD	mg/kg dry	292	0.086	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,1-Dichloroethane [75-34-3] ^	0.086	UD	mg/kg dry	292	0.086	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,1-Dichloroethene [75-35-4] ^	0.10	UD	mg/kg dry	292	0.10	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,1-Dichloropropene [563-58-6] ^	0.055	UD	mg/kg dry	292	0.055	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.097	UD	mg/kg dry	292	0.097	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.22	UD	mg/kg dry	292	0.22	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.093	UD	mg/kg dry	292	0.093	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	**67**	D	mg/kg dry	292	0.059	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.27	UD	mg/kg dry	292	0.27	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2-Dibromoethane [106-93-4] ^	0.16	UD	mg/kg dry	292	0.16	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.093	UD	mg/kg dry	292	0.093	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2-Dichloroethane [107-06-2] ^	0.14	UD	mg/kg dry	292	0.14	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,2-Dichloropropane [78-87-5] ^	0.090	UD	mg/kg dry	292	0.090	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	**6.5**	D	mg/kg dry	292	0.069	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.076	UD	mg/kg dry	292	0.076	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,3-Dichloropropane [142-28-9] ^	0.10	UD	mg/kg dry	292	0.10	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.069	UD	mg/kg dry	292	0.069	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
2,2-Dichloropropane [594-20-7] ^	0.079	UD	mg/kg dry	292	0.079	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
2-Butanone [78-93-3] ^	0.27	UD	mg/kg dry	292	0.27	1.7	2F04016	EPA 8260B	06/04/12 17:45	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.055	UD	mg/kg dry	292	0.055	1.7	2F04016	EPA 8260B	06/04/12 17:45	JKG	
2-Chlorotoluene [95-49-8] ^	0.062	UD	mg/kg dry	292	0.062	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
2-Hexanone [591-78-6] ^	0.26	UD	mg/kg dry	292	0.26	1.7	2F04016	EPA 8260B	06/04/12 17:45	JKG	
4-Chlorotoluene [106-43-4] ^	0.090	UD	mg/kg dry	292	0.090	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
4-Isopropyltoluene [99-87-6] ^	**4.4**	D	mg/kg dry	292	0.055	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.20	UD	mg/kg dry	292	0.20	1.7	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Acetone [67-64-1] ^	0.48	UD	mg/kg dry	292	0.48	1.7	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Benzene [71-43-2] ^	0.059	UD	mg/kg dry	292	0.059	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Bromobenzene [108-86-1] ^	0.076	UD	mg/kg dry	292	0.076	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Bromochloromethane [74-97-5] ^	0.14	UD	mg/kg dry	292	0.14	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Bromodichloromethane [75-27-4] ^	0.083	UD	mg/kg dry	292	0.083	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Bromoform [75-25-2] ^	0.16	UD	mg/kg dry	292	0.16	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Bromomethane [74-83-9] ^	0.11	UD	mg/kg dry	292	0.11	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Carbon disulfide [75-15-0] ^	0.13	UD	mg/kg dry	292	0.13	1.7	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Carbon Tetrachloride [56-23-5] ^	0.076	UD	mg/kg dry	292	0.076	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Chlorobenzene [108-90-7] ^	0.059	UD	mg/kg dry	292	0.059	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Chloroethane [75-00-3] ^	0.086	UD	mg/kg dry	292	0.086	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Chloroform [67-66-3] ^	0.062	UD	mg/kg dry	292	0.062	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Chloromethane [74-87-3] ^	0.073	UD	mg/kg dry	292	0.073	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.079	UD	mg/kg dry	292	0.079	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.059	UD	mg/kg dry	292	0.059	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Dibromochloromethane [124-48-1] ^	0.12	UD	mg/kg dry	292	0.12	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Dibromomethane [74-95-3] ^	0.11	UD	mg/kg dry	292	0.11	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.16	UD	mg/kg dry	292	0.16	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Ethylbenzene [100-41-4] ^	**16**	D	mg/kg dry	292	0.069	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Hexachlorobutadiene [87-68-3] ^	0.12	UD	mg/kg dry	292	0.12	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Isopropylbenzene [98-82-8] ^	**6.2**	D	mg/kg dry	292	0.052	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	**12**	D	mg/kg dry	292	0.13	0.69	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Methylene Chloride [75-09-2] ^	0.25	UD	mg/kg dry	292	0.25	0.69	2F04016	EPA 8260B	06/04/12 17:45	JKG	

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Description: B-3
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-10
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 84.5

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.10	UD	mg/kg dry	292	0.10	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Naphthalene [91-20-3] ^	**20**	D	mg/kg dry	292	0.093	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
n-Butyl Benzene [104-51-8] ^	**12**	D	mg/kg dry	292	0.045	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
n-Propyl Benzene [103-65-1] ^	**18**	D	mg/kg dry	292	0.062	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
o-Xylene [95-47-6] ^	0.076	UD	mg/kg dry	292	0.076	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
sec-Butylbenzene [135-98-8] ^	**3.3**	D	mg/kg dry	292	0.33	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Styrene [100-42-5] ^	0.34	UD	mg/kg dry	292	0.34	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
tert-Butylbenzene [98-06-6] ^	0.059	UD	mg/kg dry	292	0.059	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Tetrachloroethene [127-18-4] ^	0.097	UD	mg/kg dry	292	0.097	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Toluene [108-88-3] ^	0.083	UD	mg/kg dry	292	0.083	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.13	UD	mg/kg dry	292	0.13	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.13	UD	mg/kg dry	292	0.13	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Trichloroethene [79-01-6] ^	0.11	UD	mg/kg dry	292	0.11	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Trichlorofluoromethane [75-69-4] ^	0.090	UD	mg/kg dry	292	0.090	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Vinyl chloride [75-01-4] ^	0.083	UD	mg/kg dry	292	0.083	0.35	2F04016	EPA 8260B	06/04/12 17:45	JKG	
Xylenes (Total) [1330-20-7] ^	**12**	D	mg/kg dry	292	0.19	1.0	2F04016	EPA 8260B	06/04/12 17:45	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*59*	*1*	*50.0*	*118 %*	*61-118*	*2F04016*	*EPA 8260B*	*06/04/12 17:45*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*66-114*	*2F04016*	*EPA 8260B*	*06/04/12 17:45*	*JKG*	
Toluene-d8	*58*	*1*	*50.0*	*115 %*	*63-118*	*2F04016*	*EPA 8260B*	*06/04/12 17:45*	*JKG*	

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Description: B-3
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-10
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 84.5

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.027	U	mg/kg dry	1	0.027	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.024	U	mg/kg dry	1	0.024	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
1-Methylnaphthalene [90-12-0] ^	**2.4**		mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.028	U	mg/kg dry	1	0.028	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2-Chloronaphthalene [91-58-7] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2-Chlorophenol [95-57-8] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2-Methylnaphthalene [91-57-6] ^	**4.7**	D	mg/kg dry	2	0.066	0.78	2F05032	EPA 8270D	06/12/12 14:24	DFM	
2-Methylphenol [95-48-7] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2-Nitroaniline [88-74-4] ^	0.035	U	mg/kg dry	1	0.035	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
2-Nitrophenol [88-75-5] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.12	U	mg/kg dry	1	0.12	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
3-Nitroaniline [99-09-2] ^	0.043	U	mg/kg dry	1	0.043	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
4-Nitroaniline [100-01-6] ^	0.063	U	mg/kg dry	1	0.063	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
4-Nitrophenol [100-02-7] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Acenaphthene [83-32-9] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Acenaphthylene [208-96-8] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Anthracene [120-12-7] ^	0.045	U	mg/kg dry	1	0.045	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Benzo(a)anthracene [56-55-3] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Benzo(a)pyrene [50-32-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.021	U	mg/kg dry	1	0.021	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	QV-01
Benzo(g,h,i)perylene [191-24-2] ^	0.056	U	mg/kg dry	1	0.056	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	QV-01
Benzoic acid [65-85-0] ^	0.18	U	mg/kg dry	1	0.18	2.0	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Benzyl alcohol [100-51-6] ^	0.027	U	mg/kg dry	1	0.027	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	0.028	U	mg/kg dry	1	0.028	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.041	U	mg/kg dry	1	0.041	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Butylbenzylphthalate [85-68-7] ^	0.047	U	mg/kg dry	1	0.047	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Chrysene [218-01-9] ^	0.035	U	mg/kg dry	1	0.035	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.060	U	mg/kg dry	1	0.060	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Dibenzofuran [132-64-9] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Diethylphthalate [84-66-2] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Dimethylphthalate [131-11-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Di-n-butylphthalate [84-74-2] ^	0.049	U	mg/kg dry	1	0.049	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Di-n-octylphthalate [117-84-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	

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Description: B-3
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-10
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 84.5

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.043	U	mg/kg dry	1	0.043	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Fluorene [86-73-7] ^	**0.047**	J	mg/kg dry	1	0.034	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Hexachlorobenzene [118-74-1] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Hexachlorobutadiene [87-68-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.046	U	mg/kg dry	1	0.046	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Hexachloroethane [67-72-1] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.056	U	mg/kg dry	1	0.056	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Isophorone [78-59-1] ^	0.035	U	mg/kg dry	1	0.035	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Naphthalene [91-20-3] ^	**3.0**	D	mg/kg dry	2	0.066	0.78	2F05032	EPA 8270D	06/12/12 14:24	DFM	
Nitrobenzene [98-95-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.096	U	mg/kg dry	1	0.096	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.064	U	mg/kg dry	1	0.064	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Pentachlorophenol [87-86-5] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Phenanthrene [85-01-8] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Phenol [108-95-2] ^	0.026	U	mg/kg dry	1	0.026	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Pyrene [129-00-0] ^	0.045	U	mg/kg dry	1	0.045	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	
Pyridine [110-86-1] ^	0.097	U	mg/kg dry	1	0.097	0.39	2F05032	EPA 8270D	06/12/12 03:29	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.1*	*1*	*3.94*	*79 %*	*28-130*	*2F05032*	*EPA 8270D*	*06/12/12 03:29*	*DFM*	
2-Fluorobiphenyl	*1.3*	*1*	*1.97*	*67 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 03:29*	*DFM*	
2-Fluorophenol	*2.2*	*1*	*3.94*	*55 %*	*49-126*	*2F05032*	*EPA 8270D*	*06/12/12 03:29*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*1.97*	*75 %*	*50-117*	*2F05032*	*EPA 8270D*	*06/12/12 03:29*	*DFM*	
Phenol-d5	*2.3*	*1*	*3.94*	*59 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 03:29*	*DFM*	
Terphenyl-d14	*2.0*	*1*	*1.97*	*101 %*	*36-151*	*2F05032*	*EPA 8270D*	*06/12/12 03:29*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-4
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-11
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.3

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00014	U	mg/kg dry	1	0.00014	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00022	U	mg/kg dry	1	0.00022	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00018	U	mg/kg dry	1	0.00018	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00014	U	mg/kg dry	1	0.00014	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00057	U	mg/kg dry	1	0.00057	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00024	U	mg/kg dry	1	0.00024	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00070	U	mg/kg dry	1	0.00070	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00041	U	mg/kg dry	1	0.00041	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00024	U	mg/kg dry	1	0.00024	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00036	U	mg/kg dry	1	0.00036	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00026	U	mg/kg dry	1	0.00026	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00018	U	mg/kg dry	1	0.00018	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00020	U	mg/kg dry	1	0.00020	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
2-Butanone [78-93-3] ^	0.00069	U	mg/kg dry	1	0.00069	0.0044	2F04012	EPA 8260B	06/04/12 19:35	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.0044	2F04012	EPA 8260B	06/04/12 19:35	JKG	
2-Chlorotoluene [95-49-8] ^	0.00016	U	mg/kg dry	1	0.00016	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
2-Hexanone [591-78-6] ^	0.00067	U	mg/kg dry	1	0.00067	0.0044	2F04012	EPA 8260B	06/04/12 19:35	JKG	
4-Chlorotoluene [106-43-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00014	U	mg/kg dry	1	0.00014	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00051	U	mg/kg dry	1	0.00051	0.0044	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Acetone [67-64-1] ^	**0.0088**		mg/kg dry	1	0.0012	0.0044	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Benzene [71-43-2] ^	0.00015	U	mg/kg dry	1	0.00015	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Bromobenzene [108-86-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Bromochloromethane [74-97-5] ^	0.00036	U	mg/kg dry	1	0.00036	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Bromodichloromethane [75-27-4] ^	0.00021	U	mg/kg dry	1	0.00021	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Bromoform [75-25-2] ^	0.00040	U	mg/kg dry	1	0.00040	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Bromomethane [74-83-9] ^	0.00028	U	mg/kg dry	1	0.00028	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Carbon disulfide [75-15-0] ^	0.00035	U	mg/kg dry	1	0.00035	0.0044	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Chlorobenzene [108-90-7] ^	0.00015	U	mg/kg dry	1	0.00015	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Chloroethane [75-00-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Chloromethane [74-87-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00020	U	mg/kg dry	1	0.00020	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00015	U	mg/kg dry	1	0.00015	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Dibromochloromethane [124-48-1] ^	0.00031	U	mg/kg dry	1	0.00031	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Dibromomethane [74-95-3] ^	0.00029	U	mg/kg dry	1	0.00029	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00040	U	mg/kg dry	1	0.00040	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Ethylbenzene [100-41-4] ^	0.00018	U	mg/kg dry	1	0.00018	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00031	U	mg/kg dry	1	0.00031	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Isopropylbenzene [98-82-8] ^	**0.00039**	J	mg/kg dry	1	0.00013	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00033	U	mg/kg dry	1	0.00033	0.0018	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Methylene Chloride [75-09-2] ^	**0.00098**	J	mg/kg dry	1	0.00065	0.0018	2F04012	EPA 8260B	06/04/12 19:35	JKG	

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Description: B-4
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-11
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.3

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Naphthalene [91-20-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
n-Butyl Benzene [104-51-8] ^	0.00012	U	mg/kg dry	1	0.00012	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
n-Propyl Benzene [103-65-1] ^	**0.00060**	J	mg/kg dry	1	0.00016	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
o-Xylene [95-47-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
sec-Butylbenzene [135-98-8] ^	0.00084	U	mg/kg dry	1	0.00084	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Styrene [100-42-5] ^	0.00087	U	mg/kg dry	1	0.00087	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Tetrachloroethene [127-18-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Toluene [108-88-3] ^	0.00021	U	mg/kg dry	1	0.00021	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00033	U	mg/kg dry	1	0.00033	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00035	U	mg/kg dry	1	0.00035	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Trichloroethene [79-01-6] ^	0.00028	U	mg/kg dry	1	0.00028	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Vinyl chloride [75-01-4] ^	0.00021	U	mg/kg dry	1	0.00021	0.00089	2F04012	EPA 8260B	06/04/12 19:35	JKG	
Xylenes (Total) [1330-20-7] ^	0.00050	U	mg/kg dry	1	0.00050	0.0027	2F04012	EPA 8260B	06/04/12 19:35	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*61-118*	*2F04012*	*EPA 8260B*	*06/04/12 19:35*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*66-114*	*2F04012*	*EPA 8260B*	*06/04/12 19:35*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*63-118*	*2F04012*	*EPA 8260B*	*06/04/12 19:35*	*JKG*	

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Description: B-4
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-11
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.3

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.031	U	mg/kg dry	1	0.031	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.028	U	mg/kg dry	1	0.028	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.024	U	mg/kg dry	1	0.024	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.025	U	mg/kg dry	1	0.025	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
1-Methylnaphthalene [90-12-0] ^	**0.095**	J	mg/kg dry	1	0.032	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.032	U	mg/kg dry	1	0.032	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.032	U	mg/kg dry	1	0.032	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.029	U	mg/kg dry	1	0.029	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.052	U	mg/kg dry	1	0.052	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.052	U	mg/kg dry	1	0.052	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	0.034	U	mg/kg dry	1	0.034	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.037	U	mg/kg dry	1	0.037	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2-Chloronaphthalene [91-58-7] ^	0.034	U	mg/kg dry	1	0.034	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2-Chlorophenol [95-57-8] ^	0.030	U	mg/kg dry	1	0.030	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.040	U	mg/kg dry	1	0.040	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2-Methylnaphthalene [91-57-6] ^	**0.12**	J	mg/kg dry	1	0.034	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2-Methylphenol [95-48-7] ^	0.030	U	mg/kg dry	1	0.030	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2-Nitroaniline [88-74-4] ^	0.036	U	mg/kg dry	1	0.036	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
2-Nitrophenol [88-75-5] ^	0.037	U	mg/kg dry	1	0.037	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.031	U	mg/kg dry	1	0.031	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.12	U	mg/kg dry	1	0.12	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
3-Nitroaniline [99-09-2] ^	0.043	U	mg/kg dry	1	0.043	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.032	U	mg/kg dry	1	0.032	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.040	U	mg/kg dry	1	0.040	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.031	U	mg/kg dry	1	0.031	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
4-Nitroaniline [100-01-6] ^	0.064	U	mg/kg dry	1	0.064	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
4-Nitrophenol [100-02-7] ^	0.037	U	mg/kg dry	1	0.037	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Acenaphthene [83-32-9] ^	0.034	U	mg/kg dry	1	0.034	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Acenaphthylene [208-96-8] ^	0.034	U	mg/kg dry	1	0.034	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Anthracene [120-12-7] ^	0.046	U	mg/kg dry	1	0.046	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Benzo(a)anthracene [56-55-3] ^	0.034	U	mg/kg dry	1	0.034	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Benzo(a)pyrene [50-32-8] ^	0.040	U	mg/kg dry	1	0.040	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.022	U	mg/kg dry	1	0.022	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	QV-01
Benzo(g,h,i)perylene [191-24-2] ^	0.056	U	mg/kg dry	1	0.056	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.040	U	mg/kg dry	1	0.040	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	QV-01
Benzoic acid [65-85-0] ^	0.18	U	mg/kg dry	1	0.18	2.0	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Benzyl alcohol [100-51-6] ^	0.028	U	mg/kg dry	1	0.028	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.030	U	mg/kg dry	1	0.030	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.052	U	mg/kg dry	1	0.052	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	0.029	U	mg/kg dry	1	0.029	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.042	U	mg/kg dry	1	0.042	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Butylbenzylphthalate [85-68-7] ^	0.048	U	mg/kg dry	1	0.048	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Chrysene [218-01-9] ^	0.036	U	mg/kg dry	1	0.036	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.061	U	mg/kg dry	1	0.061	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Dibenzofuran [132-64-9] ^	0.032	U	mg/kg dry	1	0.032	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Diethylphthalate [84-66-2] ^	0.034	U	mg/kg dry	1	0.034	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Dimethylphthalate [131-11-3] ^	0.040	U	mg/kg dry	1	0.040	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Di-n-butylphthalate [84-74-2] ^	0.049	U	mg/kg dry	1	0.049	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Di-n-octylphthalate [117-84-0] ^	0.040	U	mg/kg dry	1	0.040	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	

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Description: B-4
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-11
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.3

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.043	U	mg/kg dry	1	0.043	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Fluorene [86-73-7] ^	0.035	U	mg/kg dry	1	0.035	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Hexachlorobenzene [118-74-1] ^	0.031	U	mg/kg dry	1	0.031	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Hexachlorobutadiene [87-68-3] ^	0.031	U	mg/kg dry	1	0.031	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.047	U	mg/kg dry	1	0.047	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Hexachloroethane [67-72-1] ^	0.025	U	mg/kg dry	1	0.025	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.056	U	mg/kg dry	1	0.056	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Isophorone [78-59-1] ^	0.036	U	mg/kg dry	1	0.036	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Naphthalene [91-20-3] ^	**0.068**	J	mg/kg dry	1	0.034	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Nitrobenzene [98-95-3] ^	0.031	U	mg/kg dry	1	0.031	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.025	U	mg/kg dry	1	0.025	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.097	U	mg/kg dry	1	0.097	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.065	U	mg/kg dry	1	0.065	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Pentachlorophenol [87-86-5] ^	0.040	U	mg/kg dry	1	0.040	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Phenanthrene [85-01-8] ^	0.032	U	mg/kg dry	1	0.032	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Phenol [108-95-2] ^	0.026	U	mg/kg dry	1	0.026	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Pyrene [129-00-0] ^	0.046	U	mg/kg dry	1	0.046	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	
Pyridine [110-86-1] ^	0.098	U	mg/kg dry	1	0.098	0.40	2F05032	EPA 8270D	06/12/12 03:55	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.2*	*1*	*4.00*	*81 %*	*28-130*	*2F05032*	*EPA 8270D*	*06/12/12 03:55*	*DFM*	
2-Fluorobiphenyl	*1.4*	*1*	*2.00*	*69 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 03:55*	*DFM*	
2-Fluorophenol	*2.2*	*1*	*4.00*	*55 %*	*49-126*	*2F05032*	*EPA 8270D*	*06/12/12 03:55*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*2.00*	*74 %*	*50-117*	*2F05032*	*EPA 8270D*	*06/12/12 03:55*	*DFM*	
Phenol-d5	*2.5*	*1*	*4.00*	*62 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 03:55*	*DFM*	
Terphenyl-d14	*2.1*	*1*	*2.00*	*105 %*	*36-151*	*2F05032*	*EPA 8270D*	*06/12/12 03:55*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-5 | **Lab Sample ID:** C205843-12 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 11:30 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% Solids:** 83.6

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00014	U	mg/kg dry	1	0.00014	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00023	U	mg/kg dry	1	0.00023	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00018	U	mg/kg dry	1	0.00018	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00014	U	mg/kg dry	1	0.00014	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00058	U	mg/kg dry	1	0.00058	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00024	U	mg/kg dry	1	0.00024	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00071	U	mg/kg dry	1	0.00071	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00042	U	mg/kg dry	1	0.00042	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00024	U	mg/kg dry	1	0.00024	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00037	U	mg/kg dry	1	0.00037	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00026	U	mg/kg dry	1	0.00026	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00018	U	mg/kg dry	1	0.00018	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00021	U	mg/kg dry	1	0.00021	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
2-Butanone [78-93-3] ^	0.00070	U	mg/kg dry	1	0.00070	0.0045	2F04012	EPA 8260B	06/04/12 16:10	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.0045	2F04012	EPA 8260B	06/04/12 16:10	JKG	
2-Chlorotoluene [95-49-8] ^	0.00016	U	mg/kg dry	1	0.00016	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
2-Hexanone [591-78-6] ^	0.00068	U	mg/kg dry	1	0.00068	0.0045	2F04012	EPA 8260B	06/04/12 16:10	JKG	
4-Chlorotoluene [106-43-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00014	U	mg/kg dry	1	0.00014	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00051	U	mg/kg dry	1	0.00051	0.0045	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Acetone [67-64-1] ^	**0.0056**		mg/kg dry	1	0.0013	0.0045	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Benzene [71-43-2] ^	0.00015	U	mg/kg dry	1	0.00015	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Bromobenzene [108-86-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Bromochloromethane [74-97-5] ^	0.00037	U	mg/kg dry	1	0.00037	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Bromodichloromethane [75-27-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Bromoform [75-25-2] ^	0.00041	U	mg/kg dry	1	0.00041	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Bromomethane [74-83-9] ^	0.00029	U	mg/kg dry	1	0.00029	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Carbon disulfide [75-15-0] ^	0.00035	U	mg/kg dry	1	0.00035	0.0045	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Chlorobenzene [108-90-7] ^	0.00015	U	mg/kg dry	1	0.00015	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Chloroethane [75-00-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Chloromethane [74-87-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00021	U	mg/kg dry	1	0.00021	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00015	U	mg/kg dry	1	0.00015	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Dibromochloromethane [124-48-1] ^	0.00032	U	mg/kg dry	1	0.00032	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Dibromomethane [74-95-3] ^	0.00030	U	mg/kg dry	1	0.00030	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00041	U	mg/kg dry	1	0.00041	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Ethylbenzene [100-41-4] ^	0.00018	U	mg/kg dry	1	0.00018	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00032	U	mg/kg dry	1	0.00032	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00033	U	mg/kg dry	1	0.00033	0.0018	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Methylene Chloride [75-09-2] ^	0.00066	U	mg/kg dry	1	0.00066	0.0018	2F04012	EPA 8260B	06/04/12 16:10	JKG	

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Description: B-5
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-12
Sampled: 05/24/12 11:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.6

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Naphthalene [91-20-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
n-Butyl Benzene [104-51-8] ^	0.00012	U	mg/kg dry	1	0.00012	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
n-Propyl Benzene [103-65-1] ^	0.00016	U	mg/kg dry	1	0.00016	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
o-Xylene [95-47-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
sec-Butylbenzene [135-98-8] ^	0.00086	U	mg/kg dry	1	0.00086	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Styrene [100-42-5] ^	0.00088	U	mg/kg dry	1	0.00088	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Tetrachloroethene [127-18-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Toluene [108-88-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00033	U	mg/kg dry	1	0.00033	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00035	U	mg/kg dry	1	0.00035	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Trichloroethene [79-01-6] ^	0.00029	U	mg/kg dry	1	0.00029	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Vinyl chloride [75-01-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.00090	2F04012	EPA 8260B	06/04/12 16:10	JKG	
Xylenes (Total) [1330-20-7] ^	0.00051	U	mg/kg dry	1	0.00051	0.0027	2F04012	EPA 8260B	06/04/12 16:10	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*61-118*	*2F04012*	*EPA 8260B*	*06/04/12 16:10*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*66-114*	*2F04012*	*EPA 8260B*	*06/04/12 16:10*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*63-118*	*2F04012*	*EPA 8260B*	*06/04/12 16:10*	*JKG*	

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Description: B-5
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-12
Sampled: 05/24/12 11:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.6

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.028	U	mg/kg dry	1	0.028	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.024	U	mg/kg dry	1	0.024	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
1-Methylnaphthalene [90-12-0] ^	**1.9**		mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.029	U	mg/kg dry	1	0.029	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	0.034	U	mg/kg dry	1	0.034	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2-Chloronaphthalene [91-58-7] ^	0.034	U	mg/kg dry	1	0.034	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2-Chlorophenol [95-57-8] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2-Methylnaphthalene [91-57-6] ^	**3.7**	D	mg/kg dry	2	0.067	0.79	2F05032	EPA 8270D	06/12/12 14:52	DFM	
2-Methylphenol [95-48-7] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2-Nitroaniline [88-74-4] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
2-Nitrophenol [88-75-5] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.12	U	mg/kg dry	1	0.12	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
3-Nitroaniline [99-09-2] ^	0.043	U	mg/kg dry	1	0.043	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
4-Nitroaniline [100-01-6] ^	0.063	U	mg/kg dry	1	0.063	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
4-Nitrophenol [100-02-7] ^	0.037	U	mg/kg dry	1	0.037	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Acenaphthene [83-32-9] ^	0.034	U	mg/kg dry	1	0.034	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Acenaphthylene [208-96-8] ^	0.034	U	mg/kg dry	1	0.034	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Anthracene [120-12-7] ^	0.045	U	mg/kg dry	1	0.045	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Benzo(a)anthracene [56-55-3] ^	0.034	U	mg/kg dry	1	0.034	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Benzo(a)pyrene [50-32-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.022	U	mg/kg dry	1	0.022	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	QV-01
Benzo(g,h,i)perylene [191-24-2] ^	0.056	U	mg/kg dry	1	0.056	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	QV-01
Benzoic acid [65-85-0] ^	0.18	U	mg/kg dry	1	0.18	2.0	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Benzyl alcohol [100-51-6] ^	0.028	U	mg/kg dry	1	0.028	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.030	U	mg/kg dry	1	0.030	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	0.029	U	mg/kg dry	1	0.029	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.042	U	mg/kg dry	1	0.042	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Butylbenzylphthalate [85-68-7] ^	0.048	U	mg/kg dry	1	0.048	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Chrysene [218-01-9] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.061	U	mg/kg dry	1	0.061	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Dibenzofuran [132-64-9] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Diethylphthalate [84-66-2] ^	0.034	U	mg/kg dry	1	0.034	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Dimethylphthalate [131-11-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Di-n-butylphthalate [84-74-2] ^	0.049	U	mg/kg dry	1	0.049	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Di-n-octylphthalate [117-84-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	

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Description: B-5
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-12
Sampled: 05/24/12 11:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 83.6

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.043	U	mg/kg dry	1	0.043	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Fluorene [86-73-7] ^	0.035	U	mg/kg dry	1	0.035	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Hexachlorobenzene [118-74-1] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Hexachlorobutadiene [87-68-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.047	U	mg/kg dry	1	0.047	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Hexachloroethane [67-72-1] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.056	U	mg/kg dry	1	0.056	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Isophorone [78-59-1] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Naphthalene [91-20-3] ^	**2.8**	D	mg/kg dry	2	0.067	0.79	2F05032	EPA 8270D	06/12/12 14:52	DFM	
Nitrobenzene [98-95-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.097	U	mg/kg dry	1	0.097	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.065	U	mg/kg dry	1	0.065	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Pentachlorophenol [87-86-5] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Phenanthrene [85-01-8] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Phenol [108-95-2] ^	0.026	U	mg/kg dry	1	0.026	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Pyrene [129-00-0] ^	0.045	U	mg/kg dry	1	0.045	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	
Pyridine [110-86-1] ^	0.098	U	mg/kg dry	1	0.098	0.39	2F05032	EPA 8270D	06/12/12 04:22	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.1*	*1*	*3.99*	*77 %*	*28-130*	*2F05032*	*EPA 8270D*	*06/12/12 04:22*	*DFM*	
2-Fluorobiphenyl	*1.4*	*1*	*1.99*	*68 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 04:22*	*DFM*	
2-Fluorophenol	*2.2*	*1*	*3.99*	*54 %*	*49-126*	*2F05032*	*EPA 8270D*	*06/12/12 04:22*	*DFM*	
Nitrobenzene-d5	*1.4*	*1*	*1.99*	*72 %*	*50-117*	*2F05032*	*EPA 8270D*	*06/12/12 04:22*	*DFM*	
Phenol-d5	*2.4*	*1*	*3.99*	*59 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 04:22*	*DFM*	
Terphenyl-d14	*1.9*	*1*	*1.99*	*96 %*	*36-151*	*2F05032*	*EPA 8270D*	*06/12/12 04:22*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-6
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-13
Sampled: 05/24/12 12:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 86.1

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00024	U	mg/kg dry	1	0.00024	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00024	U	mg/kg dry	1	0.00024	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00027	U	mg/kg dry	1	0.00027	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00061	U	mg/kg dry	1	0.00061	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00076	U	mg/kg dry	1	0.00076	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00044	U	mg/kg dry	1	0.00044	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00039	U	mg/kg dry	1	0.00039	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00028	U	mg/kg dry	1	0.00028	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
2-Butanone [78-93-3] ^	0.00075	U	mg/kg dry	1	0.00075	0.0048	2F04012	EPA 8260B	06/04/12 16:39	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00015	U	mg/kg dry	1	0.00015	0.0048	2F04012	EPA 8260B	06/04/12 16:39	JKG	
2-Chlorotoluene [95-49-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
2-Hexanone [591-78-6] ^	0.00072	U	mg/kg dry	1	0.00072	0.0048	2F04012	EPA 8260B	06/04/12 16:39	JKG	
4-Chlorotoluene [106-43-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00055	U	mg/kg dry	1	0.00055	0.0048	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Acetone [67-64-1] ^	**0.036**		mg/kg dry	1	0.0013	0.0048	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Benzene [71-43-2] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Bromobenzene [108-86-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Bromochloromethane [74-97-5] ^	0.00039	U	mg/kg dry	1	0.00039	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Bromodichloromethane [75-27-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Bromoform [75-25-2] ^	0.00043	U	mg/kg dry	1	0.00043	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Bromomethane [74-83-9] ^	0.00031	U	mg/kg dry	1	0.00031	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Carbon disulfide [75-15-0] ^	0.00037	U	mg/kg dry	1	0.00037	0.0048	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Chlorobenzene [108-90-7] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Chloroethane [75-00-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Chloroform [67-66-3] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Chloromethane [74-87-3] ^	0.00020	U	mg/kg dry	1	0.00020	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Dibromochloromethane [124-48-1] ^	0.00033	U	mg/kg dry	1	0.00033	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Dibromomethane [74-95-3] ^	0.00032	U	mg/kg dry	1	0.00032	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00043	U	mg/kg dry	1	0.00043	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Ethylbenzene [100-41-4] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00033	U	mg/kg dry	1	0.00033	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.0019	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Methylene Chloride [75-09-2] ^	0.00070	U	mg/kg dry	1	0.00070	0.0019	2F04012	EPA 8260B	06/04/12 16:39	JKG	

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Description: B-6
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-13
Sampled: 05/24/12 12:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 86.1

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Naphthalene [91-20-3] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
n-Butyl Benzene [104-51-8] ^	0.00012	U	mg/kg dry	1	0.00012	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
n-Propyl Benzene [103-65-1] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
o-Xylene [95-47-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
sec-Butylbenzene [135-98-8] ^	0.00091	U	mg/kg dry	1	0.00091	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Styrene [100-42-5] ^	0.00094	U	mg/kg dry	1	0.00094	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
tert-Butylbenzene [98-06-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Tetrachloroethene [127-18-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Toluene [108-88-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00035	U	mg/kg dry	1	0.00035	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00037	U	mg/kg dry	1	0.00037	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Trichloroethene [79-01-6] ^	0.00031	U	mg/kg dry	1	0.00031	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Vinyl chloride [75-01-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	2F04012	EPA 8260B	06/04/12 16:39	JKG	
Xylenes (Total) [1330-20-7] ^	0.00054	U	mg/kg dry	1	0.00054	0.0029	2F04012	EPA 8260B	06/04/12 16:39	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*83 %*	*61-118*	*2F04012*	*EPA 8260B*	*06/04/12 16:39*	*JKG*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*66-114*	*2F04012*	*EPA 8260B*	*06/04/12 16:39*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*63-118*	*2F04012*	*EPA 8260B*	*06/04/12 16:39*	*JKG*	

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Description: B-6
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-13
Sampled: 05/24/12 12:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 86.1

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.027	U	mg/kg dry	1	0.027	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.023	U	mg/kg dry	1	0.023	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.024	U	mg/kg dry	1	0.024	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
1-Methylnaphthalene [90-12-0] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.028	U	mg/kg dry	1	0.028	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.050	U	mg/kg dry	1	0.050	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.050	U	mg/kg dry	1	0.050	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.036	U	mg/kg dry	1	0.036	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2-Chloronaphthalene [91-58-7] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2-Chlorophenol [95-57-8] ^	0.029	U	mg/kg dry	1	0.029	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2-Methylnaphthalene [91-57-6] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2-Methylphenol [95-48-7] ^	0.029	U	mg/kg dry	1	0.029	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2-Nitroaniline [88-74-4] ^	0.035	U	mg/kg dry	1	0.035	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
2-Nitrophenol [88-75-5] ^	0.036	U	mg/kg dry	1	0.036	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.11	U	mg/kg dry	1	0.11	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
3-Nitroaniline [99-09-2] ^	0.042	U	mg/kg dry	1	0.042	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
4-Nitroaniline [100-01-6] ^	0.062	U	mg/kg dry	1	0.062	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
4-Nitrophenol [100-02-7] ^	0.036	U	mg/kg dry	1	0.036	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Acenaphthene [83-32-9] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Acenaphthylene [208-96-8] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Anthracene [120-12-7] ^	0.044	U	mg/kg dry	1	0.044	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Benzo(a)anthracene [56-55-3] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Benzo(a)pyrene [50-32-8] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.021	U	mg/kg dry	1	0.021	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	QV-01
Benzo(g,h,i)perylene [191-24-2] ^	0.055	U	mg/kg dry	1	0.055	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	QV-01
Benzoic acid [65-85-0] ^	0.17	U	mg/kg dry	1	0.17	2.0	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Benzyl alcohol [100-51-6] ^	0.027	U	mg/kg dry	1	0.027	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.029	U	mg/kg dry	1	0.029	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.050	U	mg/kg dry	1	0.050	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	0.028	U	mg/kg dry	1	0.028	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.041	U	mg/kg dry	1	0.041	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Butylbenzylphthalate [85-68-7] ^	0.046	U	mg/kg dry	1	0.046	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Chrysene [218-01-9] ^	0.035	U	mg/kg dry	1	0.035	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.059	U	mg/kg dry	1	0.059	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Dibenzofuran [132-64-9] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Diethylphthalate [84-66-2] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Dimethylphthalate [131-11-3] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Di-n-butylphthalate [84-74-2] ^	0.048	U	mg/kg dry	1	0.048	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Di-n-octylphthalate [117-84-0] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	

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Description: B-6
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-13
Sampled: 05/24/12 12:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 86.1

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.042	U	mg/kg dry	1	0.042	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Fluorene [86-73-7] ^	0.034	U	mg/kg dry	1	0.034	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Hexachlorobenzene [118-74-1] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Hexachlorobutadiene [87-68-3] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.045	U	mg/kg dry	1	0.045	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Hexachloroethane [67-72-1] ^	0.024	U	mg/kg dry	1	0.024	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.055	U	mg/kg dry	1	0.055	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Isophorone [78-59-1] ^	0.035	U	mg/kg dry	1	0.035	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Naphthalene [91-20-3] ^	0.033	U	mg/kg dry	1	0.033	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Nitrobenzene [98-95-3] ^	0.030	U	mg/kg dry	1	0.030	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.024	U	mg/kg dry	1	0.024	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.094	U	mg/kg dry	1	0.094	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.063	U	mg/kg dry	1	0.063	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Pentachlorophenol [87-86-5] ^	0.038	U	mg/kg dry	1	0.038	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Phenanthrene [85-01-8] ^	0.031	U	mg/kg dry	1	0.031	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Phenol [108-95-2] ^	0.026	U	mg/kg dry	1	0.026	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Pyrene [129-00-0] ^	0.044	U	mg/kg dry	1	0.044	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	
Pyridine [110-86-1] ^	0.095	U	mg/kg dry	1	0.095	0.38	2F05032	EPA 8270D	06/12/12 04:48	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.0*	*1*	*3.87*	*77 %*	*28-130*	*2F05032*	*EPA 8270D*	*06/12/12 04:48*	*DFM*	
2-Fluorobiphenyl	*1.4*	*1*	*1.94*	*73 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 04:48*	*DFM*	
2-Fluorophenol	*2.1*	*1*	*3.87*	*55 %*	*49-126*	*2F05032*	*EPA 8270D*	*06/12/12 04:48*	*DFM*	
Nitrobenzene-d5	*1.4*	*1*	*1.94*	*74 %*	*50-117*	*2F05032*	*EPA 8270D*	*06/12/12 04:48*	*DFM*	
Phenol-d5	*2.4*	*1*	*3.87*	*62 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 04:48*	*DFM*	
Terphenyl-d14	*1.9*	*1*	*1.94*	*101 %*	*36-151*	*2F05032*	*EPA 8270D*	*06/12/12 04:48*	*DFM*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-7 | **Lab Sample ID:** C205843-14 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 13:00 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% Solids:** 85.1

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,1-Dichloroethane [75-34-3] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,1-Dichloroethene [75-35-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,1-Dichloropropene [563-58-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00029	U	mg/kg dry	1	0.00029	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.00066	U	mg/kg dry	1	0.00066	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00081	U	mg/kg dry	1	0.00081	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2-Dibromoethane [106-93-4] ^	0.00047	U	mg/kg dry	1	0.00047	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2-Dichloroethane [107-06-2] ^	0.00042	U	mg/kg dry	1	0.00042	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,2-Dichloropropane [78-87-5] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,3-Dichloropropane [142-28-9] ^	0.00030	U	mg/kg dry	1	0.00030	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
2,2-Dichloropropane [594-20-7] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
2-Butanone [78-93-3] ^	0.00080	U	mg/kg dry	1	0.00080	0.0051	2F04012	EPA 8260B	06/04/12 17:09	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00016	U	mg/kg dry	1	0.00016	0.0051	2F04012	EPA 8260B	06/04/12 17:09	JKG	
2-Chlorotoluene [95-49-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
2-Hexanone [591-78-6] ^	0.00077	U	mg/kg dry	1	0.00077	0.0051	2F04012	EPA 8260B	06/04/12 17:09	JKG	
4-Chlorotoluene [106-43-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
4-Isopropyltoluene [99-87-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.00059	U	mg/kg dry	1	0.00059	0.0051	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Acetone [67-64-1] ^	**0.026**		mg/kg dry	1	0.0014	0.0051	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Benzene [71-43-2] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Bromobenzene [108-86-1] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Bromochloromethane [74-97-5] ^	0.00042	U	mg/kg dry	1	0.00042	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Bromodichloromethane [75-27-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Bromoform [75-25-2] ^	0.00046	U	mg/kg dry	1	0.00046	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Bromomethane [74-83-9] ^	0.00033	U	mg/kg dry	1	0.00033	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Carbon disulfide [75-15-0] ^	0.00040	U	mg/kg dry	1	0.00040	0.0051	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Carbon Tetrachloride [56-23-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Chlorobenzene [108-90-7] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Chloroethane [75-00-3] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Chloroform [67-66-3] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Chloromethane [74-87-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Dibromochloromethane [124-48-1] ^	0.00036	U	mg/kg dry	1	0.00036	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Dibromomethane [74-95-3] ^	0.00034	U	mg/kg dry	1	0.00034	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.00046	U	mg/kg dry	1	0.00046	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Ethylbenzene [100-41-4] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Hexachlorobutadiene [87-68-3] ^	0.00036	U	mg/kg dry	1	0.00036	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Isopropylbenzene [98-82-8] ^	0.00015	U	mg/kg dry	1	0.00015	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00038	U	mg/kg dry	1	0.00038	0.0021	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Methylene Chloride [75-09-2] ^	0.00075	U	mg/kg dry	1	0.00075	0.0021	2F04012	EPA 8260B	06/04/12 17:09	JKG	

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Description: B-7
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-14
Sampled: 05/24/12 13:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 85.1

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Naphthalene [91-20-3] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
n-Butyl Benzene [104-51-8] ^	0.00013	U	mg/kg dry	1	0.00013	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
n-Propyl Benzene [103-65-1] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
o-Xylene [95-47-6] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
sec-Butylbenzene [135-98-8] ^	0.00098	U	mg/kg dry	1	0.00098	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Styrene [100-42-5] ^	0.0010	U	mg/kg dry	1	0.0010	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
tert-Butylbenzene [98-06-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Tetrachloroethene [127-18-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Toluene [108-88-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.00038	U	mg/kg dry	1	0.00038	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00040	U	mg/kg dry	1	0.00040	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Trichloroethene [79-01-6] ^	0.00033	U	mg/kg dry	1	0.00033	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Trichlorofluoromethane [75-69-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Vinyl chloride [75-01-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	2F04012	EPA 8260B	06/04/12 17:09	JKG	
Xylenes (Total) [1330-20-7] ^	0.00057	U	mg/kg dry	1	0.00057	0.0031	2F04012	EPA 8260B	06/04/12 17:09	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*61-118*	*2F04012*	*EPA 8260B*	*06/04/12 17:09*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*66-114*	*2F04012*	*EPA 8260B*	*06/04/12 17:09*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*63-118*	*2F04012*	*EPA 8260B*	*06/04/12 17:09*	*JKG*	

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Description: B-7 | **Lab Sample ID:** C205843-14 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 13:00 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% Solids:** 85.1

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.027	U	mg/kg dry	1	0.027	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.023	U	mg/kg dry	1	0.023	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
1-Methylnaphthalene [90-12-0] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.028	U	mg/kg dry	1	0.028	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2-Chloronaphthalene [91-58-7] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2-Chlorophenol [95-57-8] ^	0.029	U	mg/kg dry	1	0.029	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2-Methylnaphthalene [91-57-6] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2-Methylphenol [95-48-7] ^	0.029	U	mg/kg dry	1	0.029	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2-Nitroaniline [88-74-4] ^	0.035	U	mg/kg dry	1	0.035	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
2-Nitrophenol [88-75-5] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.12	U	mg/kg dry	1	0.12	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
3-Nitroaniline [99-09-2] ^	0.042	U	mg/kg dry	1	0.042	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
4-Nitroaniline [100-01-6] ^	0.062	U	mg/kg dry	1	0.062	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
4-Nitrophenol [100-02-7] ^	0.036	U	mg/kg dry	1	0.036	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Acenaphthene [83-32-9] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Acenaphthylene [208-96-8] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Anthracene [120-12-7] ^	0.045	U	mg/kg dry	1	0.045	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Benzo(a)anthracene [56-55-3] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Benzo(a)pyrene [50-32-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.021	U	mg/kg dry	1	0.021	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	QV-01
Benzo(g,h,i)perylene [191-24-2] ^	0.055	U	mg/kg dry	1	0.055	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	QV-01
Benzoic acid [65-85-0] ^	0.18	U	mg/kg dry	1	0.18	2.0	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Benzyl alcohol [100-51-6] ^	0.027	U	mg/kg dry	1	0.027	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.029	U	mg/kg dry	1	0.029	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.051	U	mg/kg dry	1	0.051	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	0.028	U	mg/kg dry	1	0.028	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.041	U	mg/kg dry	1	0.041	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Butylbenzylphthalate [85-68-7] ^	0.047	U	mg/kg dry	1	0.047	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Chrysene [218-01-9] ^	0.035	U	mg/kg dry	1	0.035	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.060	U	mg/kg dry	1	0.060	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Dibenzofuran [132-64-9] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Diethylphthalate [84-66-2] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Dimethylphthalate [131-11-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Di-n-butylphthalate [84-74-2] ^	0.048	U	mg/kg dry	1	0.048	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Di-n-octylphthalate [117-84-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	

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Description: GW-1
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-15
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	2E25011	EPA 6010C	05/29/12 11:10	VLO	
Chromium [7440-47-3] ^	**109**		ug/L	1	1.00	10.0	2E25011	EPA 6010C	05/29/12 11:10	VLO	
Lead [7439-92-1] ^	**103**		ug/L	1	1.90	10.0	2E25011	EPA 6010C	05/29/12 11:10	VLO	

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Description: GW-2
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-16
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	2E25011	EPA 6010C	05/29/12 11:35	VLO	
Chromium [7440-47-3] ^	**188**		ug/L	1	1.00	10.0	2E25011	EPA 6010C	05/29/12 11:35	VLO	
Lead [7439-92-1] ^	**149**		ug/L	1	1.90	10.0	2E25011	EPA 6010C	05/29/12 11:35	VLO	

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Description: GW-3
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-17
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	2E25011	EPA 6010C	05/29/12 11:37	VLO	
Chromium [7440-47-3] ^	**197**		ug/L	1	1.00	10.0	2E25011	EPA 6010C	05/29/12 11:37	VLO	
Lead [7439-92-1] ^	**143**		ug/L	1	1.90	10.0	2E25011	EPA 6010C	05/29/12 11:37	VLO	

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Description: GW-4
Matrix: Ground Water
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-18
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	2E25011	EPA 6010C	05/29/12 11:39	VLO	
Chromium [7440-47-3] ^	**66.3**		ug/L	1	1.00	10.0	2E25011	EPA 6010C	05/29/12 11:39	VLO	
Lead [7439-92-1] ^	**91.3**		ug/L	1	1.90	10.0	2E25011	EPA 6010C	05/29/12 11:39	VLO	

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Description: B-1
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-19
Sampled: 05/24/12 09:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 84.2

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cadmium [7440-43-9] ^	0.0114	U	mg/kg dry	1	0.0114	0.0594	2E25010	EPA 6010C	05/25/12 14:33	JDH	
Chromium [7440-47-3] ^	**5.14**		mg/kg dry	1	0.119	0.594	2E25010	EPA 6010C	05/25/12 14:33	JDH	
Lead [7439-92-1] ^	**5.00**		mg/kg dry	1	0.143	0.594	2E25010	EPA 6010C	05/25/12 14:33	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-2
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-20
Sampled: 05/24/12 09:45
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 85.2

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cadmium [7440-43-9] ^	0.0113	U	mg/kg dry	1	0.0113	0.0587	2E25010	EPA 6010C	05/25/12 14:35	JDH	
Chromium [7440-47-3] ^	**6.00**		mg/kg dry	1	0.117	0.587	2E25010	EPA 6010C	05/25/12 14:35	JDH	
Lead [7439-92-1] ^	**11.5**		mg/kg dry	1	0.141	0.587	2E25010	EPA 6010C	05/25/12 14:35	JDH	

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Description: B-3
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-21
Sampled: 05/24/12 10:00
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 85.5

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cadmium [7440-43-9] ^	0.0112	U	mg/kg dry	1	0.0112	0.0585	2E25010	EPA 6010C	05/25/12 14:37	JDH	
Chromium [7440-47-3] ^	**5.93**		mg/kg dry	1	0.117	0.585	2E25010	EPA 6010C	05/25/12 14:37	JDH	
Lead [7439-92-1] ^	**8.91**		mg/kg dry	1	0.140	0.585	2E25010	EPA 6010C	05/25/12 14:37	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: B-4
Matrix: Soil
Project: Progress Energy Jacksonville

Lab Sample ID: C205843-22
Sampled: 05/24/12 10:30
Sampled By: ROB LIVERMON

Received: 05/24/12 16:15
Work Order: C205843
% Solids: 84.0

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cadmium [7440-43-9] ^	0.0114	U	mg/kg dry	1	0.0114	0.0595	2E25010	EPA 6010C	05/25/12 14:38	JDH	
Chromium [7440-47-3] ^	**4.87**		mg/kg dry	1	0.119	0.595	2E25010	EPA 6010C	05/25/12 14:38	JDH	
Lead [7439-92-1] ^	**12.3**		mg/kg dry	1	0.143	0.595	2E25010	EPA 6010C	05/25/12 14:38	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E25030 - EPA 5030B_MS

Blank (2E25030-BLK1) Prepared: 05/25/2012 16:41 Analyzed: 05/29/2012 16:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	1.1	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Hexachlorobutadiene	0.22	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E25030 - EPA 5030B_MS

Blank (2E25030-BLK1) Continued Prepared: 05/25/2012 16:41 Analyzed: 05/29/2012 16:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*67*			*ug/L*	*50.0*		*134*	*51-122*			*QS-03*
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*67-127*			

LCS (2E25030-BS1) Prepared: 05/25/2012 16:41 Analyzed: 05/29/2012 17:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		105	75-133			
Benzene	19		1.0	ug/L	20.0		97	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		95	83-117			
Toluene	18		1.0	ug/L	20.0		92	71-118			
Trichloroethene	20		1.0	ug/L	20.0		102	82-118			
Surrogate: 4-Bromofluorobenzene	*58*			*ug/L*	*50.0*		*115*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*95*	*68-117*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*102*	*67-127*			

Matrix Spike (2E25030-MS1) Prepared: 05/25/2012 16:41 Analyzed: 05/29/2012 17:33

Source: C205788-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	102	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	96	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	92	83-117			
Toluene	18		1.0	ug/L	20.0	0.14 U	90	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	96	82-118			
Surrogate: 4-Bromofluorobenzene	*56*			*ug/L*	*50.0*		*112*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*101*	*67-127*			

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Volatile Organic Compounds by GCMS - Quality Control

Batch 2E25030 - EPA 5030B_MS

Matrix Spike Dup (2E25030-MSD1) Prepared: 05/25/2012 16:41 Analyzed: 05/29/2012 18:03

Source: C205788-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	91	75-133	11	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	90	81-134	6	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	89	83-117	3	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	88	71-118	2	17	
Trichloroethene	18		1.0	ug/L	20.0	0.15 U	91	82-118	6	15	
Surrogate: 4-Bromofluorobenzene	*57*			*ug/L*	*50.0*		*115*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*67-127*			

Batch 2E29023 - EPA 5030B_MS

Blank (2E29023-BLK1) Prepared: 05/29/2012 17:39 Analyzed: 05/30/2012 22:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.012	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.10	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.30	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	1.1	U	5.0	ug/L							
2-Chlorotoluene	0.081	U	1.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Chlorotoluene	0.068	U	1.0	ug/L							
4-Isopropyltoluene	0.085	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromobenzene	0.16	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							

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Volatile Organic Compounds by GCMS - Quality Control

Batch 2E29023 - EPA 5030B_MS

Blank (2E29023-BLK1) Continued Prepared: 05/29/2012 17:39 Analyzed: 05/30/2012 22:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Hexachlorobutadiene	0.22	U	1.0	ug/L							
Isopropylbenzene	0.14	U	1.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.16	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
n-Butyl Benzene	0.058	U	1.0	ug/L							
n-Propyl Benzene	0.12	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
sec-Butylbenzene	0.10	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
tert-Butylbenzene	0.17	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*82*	*68-117*			
Surrogate: Toluene-d8	*40*			*ug/L*	*50.0*		*80*	*67-127*			

LCS (2E29023-BS1) Prepared: 05/29/2012 17:39 Analyzed: 05/30/2012 22:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0		87	75-133			
Benzene	18		1.0	ug/L	20.0		90	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		91	83-117			
Toluene	18		1.0	ug/L	20.0		92	71-118			
Trichloroethene	18		1.0	ug/L	20.0		88	82-118			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*85*	*51-122*			
Surrogate: Dibromofluoromethane	*40*			*ug/L*	*50.0*		*81*	*68-117*			

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Volatile Organic Compounds by GCMS - Quality Control

Batch 2E29023 - EPA 5030B_MS

LCS (2E29023-BS1) Continued Prepared: 05/29/2012 17:39 Analyzed: 05/30/2012 22:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*67-127*			

Matrix Spike (2E29023-MS1) Prepared: 05/29/2012 17:39 Analyzed: 05/30/2012 23:03

Source: C205906-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	89	75-133			
Benzene	18		1.0	ug/L	20.0	0.15 U	92	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	93	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	95	71-118			
Trichloroethene	18		1.0	ug/L	20.0	0.15 U	88	82-118			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*41*			*ug/L*	*50.0*		*81*	*68-117*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*81*	*67-127*			

Matrix Spike Dup (2E29023-MSD1) Prepared: 05/29/2012 17:39 Analyzed: 05/30/2012 23:33

Source: C205906-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	87	75-133	3	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	89	81-134	3	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	92	83-117	1	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	92	71-118	3	17	
Trichloroethene	17		1.0	ug/L	20.0	0.15 U	86	82-118	3	15	
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*77*	*68-117*			
Surrogate: Toluene-d8	*40*			*ug/L*	*50.0*		*80*	*67-127*			

Batch 2F04012 - EPA 5035_MS

Blank (2F04012-BLK1) Prepared: 06/04/2012 09:08 Analyzed: 06/04/2012 22:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.00016	U	0.0010	mg/kg wet							
1,1,1-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00016	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00028	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00064	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromo-3-chloropropane	0.00079	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							

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Volatile Organic Compounds by GCMS - Quality Control

Batch 2F04012 - EPA 5035_MS

Blank (2F04012-BLK1) Continued Prepared: 06/04/2012 09:08 Analyzed: 06/04/2012 22:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.00041	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.00016	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0014	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00032	U	0.0010	mg/kg wet							
Carbon disulfide	0.00039	U	0.0050	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00018	U	0.0010	mg/kg wet							
Chloromethane	0.00021	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00017	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dibromomethane	0.00033	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Hexachlorobutadiene	0.00035	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							
m,p-Xylenes	0.00037	U	0.0020	mg/kg wet							
Methylene Chloride	0.00073	U	0.0020	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00027	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00013	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
o-Xylene	0.00022	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00095	U	0.0010	mg/kg wet							
Styrene	0.00098	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00017	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00024	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							

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Volatile Organic Compounds by GCMS - Quality Control

Batch 2F04012 - EPA 5035_MS

Blank (2F04012-BLK1) Continued Prepared: 06/04/2012 09:08 Analyzed: 06/04/2012 22:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	0.00032	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0030	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*85*	*61-118*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*66-114*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*63-118*			

LCS (2F04012-BS1) Prepared: 06/04/2012 09:08 Analyzed: 06/04/2012 13:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		93	64-133			
Benzene	19		1.0	ug/L	20.0		95	79-129			
Chlorobenzene	20		1.0	ug/L	20.0		98	79-121			
Toluene	19		1.0	ug/L	20.0		97	77-120			
Trichloroethene	21		1.0	ug/L	20.0		106	78-118			
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*61-118*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*78*	*66-114*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*63-118*			

Matrix Spike (2F04012-MS1) Prepared: 06/04/2012 09:08 Analyzed: 06/04/2012 13:44

Source: C206064-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.30 U	94	64-133			
Benzene	19		1.0	ug/L	20.0	0.17 U	97	79-129			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	99	79-121			
Toluene	20		1.0	ug/L	20.0	0.24 U	98	77-120			
Trichloroethene	22		1.0	ug/L	20.0	0.32 U	108	78-118			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*61-118*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*79*	*66-114*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*63-118*			

Matrix Spike Dup (2F04012-MSD1) Prepared: 06/04/2012 09:08 Analyzed: 06/04/2012 14:13

Source: C206064-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.30 U	91	64-133	3	23	
Benzene	19		1.0	ug/L	20.0	0.17 U	95	79-129	3	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	97	79-121	3	25	
Toluene	19		1.0	ug/L	20.0	0.24 U	96	77-120	2	23	
Trichloroethene	21		1.0	ug/L	20.0	0.32 U	103	78-118	4	24	
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*61-118*			
Surrogate: Dibromofluoromethane	*39*			*ug/L*	*50.0*		*77*	*66-114*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*63-118*			

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Volatile Organic Compounds by GCMS - Quality Control

Batch 2F04016 - EPA 5035_MS

Blank (2F04016-BLK1) Prepared: 06/04/2012 13:15 Analyzed: 06/04/2012 13:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.00016	U	0.0010	mg/kg wet							
1,1,1-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00016	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00028	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00064	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromo-3-chloropropane	0.00079	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.00041	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.00016	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0014	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00032	U	0.0010	mg/kg wet							
Carbon disulfide	0.00039	U	0.0050	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00018	U	0.0010	mg/kg wet							
Chloromethane	0.00021	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00017	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dibromomethane	0.00033	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Hexachlorobutadiene	0.00035	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2F04016 - EPA 5035_MS

Blank (2F04016-BLK1) Continued Prepared: 06/04/2012 13:15 Analyzed: 06/04/2012 13:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
m,p-Xylenes	0.00037	U	0.0020	mg/kg wet							
Methylene Chloride	0.00073	U	0.0020	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00027	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00013	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
o-Xylene	0.00022	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00095	U	0.0010	mg/kg wet							
Styrene	0.00098	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00017	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00024	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							
Trichloroethene	0.00032	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0030	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*108*	*61-118*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*103*	*66-114*			
Surrogate: Toluene-d8	*54*			*ug/L*	*50.0*		*108*	*63-118*			

LCS (2F04016-BS1) Prepared: 06/04/2012 13:15 Analyzed: 06/04/2012 13:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		96	64-133			
Benzene	19		1.0	ug/L	20.0		96	79-129			
Chlorobenzene	18		1.0	ug/L	20.0		91	79-121			
Toluene	18		1.0	ug/L	20.0		92	77-120			
Trichloroethene	19		1.0	ug/L	20.0		94	78-118			
Surrogate: 4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*107*	*61-118*			
Surrogate: Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*66-114*			
Surrogate: Toluene-d8	*54*			*ug/L*	*50.0*		*109*	*63-118*			

Matrix Spike (2F04016-MS1) Prepared: 06/04/2012 13:15 Analyzed: 06/04/2012 14:20

Source: C206064-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.30 U	97	64-133			
Benzene	19		1.0	ug/L	20.0	0.17 U	95	79-129			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	95	79-121			
Toluene	18		1.0	ug/L	20.0	0.24 U	91	77-120			
Trichloroethene	19		1.0	ug/L	20.0	0.32 U	96	78-118			
Surrogate: 4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*107*	*61-118*			
Surrogate: Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*66-114*			
Surrogate: Toluene-d8	*54*			*ug/L*	*50.0*		*109*	*63-118*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2F04016 - EPA 5035_MS

Matrix Spike Dup (2F04016-MSD1) Prepared: 06/04/2012 13:15 Analyzed: 06/04/2012 14:49

Source: C206064-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.30 U	92	64-133	6	23	
Benzene	18		1.0	ug/L	20.0	0.17 U	91	79-129	4	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	94	79-121	1	25	
Toluene	18		1.0	ug/L	20.0	0.24 U	89	77-120	2	23	
Trichloroethene	18		1.0	ug/L	20.0	0.32 U	92	78-118	4	24	
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*103*	*61-118*			
Surrogate: Dibromofluoromethane	*51*			*ug/L*	*50.0*		*102*	*66-114*			
Surrogate: Toluene-d8	*54*			*ug/L*	*50.0*		*108*	*63-118*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2E31017 - EPA 3510C_MS

Blank (2E31017-BLK1) Prepared: 05/31/2012 09:59 Analyzed: 06/07/2012 17:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1.2	U	10	ug/L							
1,2-Dichlorobenzene	1.1	U	10	ug/L							
1,3-Dichlorobenzene	1.1	U	10	ug/L							
1,4-Dichlorobenzene	1.0	U	10	ug/L							
1-Methylnaphthalene	1.7	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							QV-01
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzidine	1.6	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2E31017 - EPA 3510C_MS

Blank (2E31017-BLK1) Continued Prepared: 05/31/2012 09:59 Analyzed: 06/07/2012 17:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Benzoic acid	1.0	U	50	ug/L							QV-01
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Naphthalene	1.3	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
Pentachlorophenol	1.8	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Pyridine	1.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*77*			*ug/L*	*100*		*77*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*34*			*ug/L*	*50.0*		*69*	*10-149*			
Surrogate: 2-Fluorophenol	*46*			*ug/L*	*100*		*46*	*10-110*			
Surrogate: Nitrobenzene-d5	*35*			*ug/L*	*50.0*		*71*	*10-149*			
Surrogate: Phenol-d5	*39*			*ug/L*	*100*		*39*	*10-88*			
Surrogate: Terphenyl-d14	*48*			*ug/L*	*50.0*		*95*	*10-188*			

LCS (2E31017-BS1) Prepared: 05/31/2012 09:59 Analyzed: 06/07/2012 18:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	39		10	ug/L	50.0		77	27-90			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2E31017 - EPA 3510C_MS

LCS (2E31017-BS1) Continued Prepared: 05/31/2012 09:59 Analyzed: 06/07/2012 18:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Dichlorobenzene	36		10	ug/L	50.0		71	23-84			
2,4-Dinitrotoluene	50		10	ug/L	50.0		101	67-132			
2-Chlorophenol	40		10	ug/L	50.0		80	40-109			
4-Chloro-3-methylphenol	48		10	ug/L	50.0		97	58-121			
4-Nitrophenol	32		10	ug/L	50.0		65	33-105			
Acenaphthene	43		10	ug/L	50.0		86	39-125			
N-Nitroso-di-n-propylamine	43		10	ug/L	50.0		86	48-126			
Pentachlorophenol	50		10	ug/L	50.0		101	51-135			
Phenol	25		10	ug/L	50.0		50	19-78			
Pyrene	48		10	ug/L	50.0		95	44-137			
Surrogate: 2,4,6-Tribromophenol	*83*			*ug/L*	*100*		*83*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*75*	*10-149*			
Surrogate: 2-Fluorophenol	*48*			*ug/L*	*100*		*48*	*10-110*			
Surrogate: Nitrobenzene-d5	*42*			*ug/L*	*50.0*		*83*	*10-149*			
Surrogate: Phenol-d5	*41*			*ug/L*	*100*		*41*	*10-88*			
Surrogate: Terphenyl-d14	*48*			*ug/L*	*50.0*		*97*	*10-188*			

Matrix Spike (2E31017-MS1) Prepared: 05/31/2012 09:59 Analyzed: 06/07/2012 18:40

Source: C205906-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	21		10	ug/L	50.0	1.2 U	43	27-90			
1,4-Dichlorobenzene	19		10	ug/L	50.0	1.0 U	38	23-84			
2,4-Dinitrotoluene	26		10	ug/L	50.0	2.4 U	52	67-132			QM-07
2-Chlorophenol	23		10	ug/L	50.0	1.2 U	47	40-109			
4-Chloro-3-methylphenol	30		10	ug/L	50.0	1.5 U	59	58-121			
4-Nitrophenol	24		10	ug/L	50.0	2.0 U	49	33-105			
Acenaphthene	25		10	ug/L	50.0	1.4 U	51	39-125			
N-Nitroso-di-n-propylamine	22		10	ug/L	50.0	1.5 U	44	48-126			QM-07
Pentachlorophenol	25		10	ug/L	50.0	1.8 U	50	51-135			QM-07
Phenol	20		10	ug/L	50.0	1.4 U	40	19-78			
Pyrene	26		10	ug/L	50.0	2.1 U	52	44-137			
Surrogate: 2,4,6-Tribromophenol	*43*			*ug/L*	*100*		*43*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*22*			*ug/L*	*50.0*		*43*	*10-149*			
Surrogate: 2-Fluorophenol	*36*			*ug/L*	*100*		*36*	*10-110*			
Surrogate: Nitrobenzene-d5	*21*			*ug/L*	*50.0*		*41*	*10-149*			
Surrogate: Phenol-d5	*32*			*ug/L*	*100*		*32*	*10-88*			
Surrogate: Terphenyl-d14	*29*			*ug/L*	*50.0*		*58*	*10-188*			

Matrix Spike Dup (2E31017-MSD1) Prepared: 05/31/2012 09:59 Analyzed: 06/07/2012 19:08

Source: C205906-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	39		10	ug/L	50.0	1.2 U	78	27-90	59	43	QM-11
1,4-Dichlorobenzene	38		10	ug/L	50.0	1.0 U	76	23-84	67	39	QM-11
2,4-Dinitrotoluene	50		10	ug/L	50.0	2.4 U	99	67-132	63	17	QM-11
2-Chlorophenol	40		10	ug/L	50.0	1.2 U	80	40-109	52	22	QM-11

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2E31017 - EPA 3510C_MS

Matrix Spike Dup (2E31017-MSD1) Continued Prepared: 05/31/2012 09:59 Analyzed: 06/07/2012 19:08

Source: C205906-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chloro-3-methylphenol	49		10	ug/L	50.0	1.5 U	97	58-121	49	22	QM-11
4-Nitrophenol	32		10	ug/L	50.0	2.0 U	64	33-105	27	27	
Acenaphthene	44		10	ug/L	50.0	1.4 U	88	39-125	54	25	QM-11
N-Nitroso-di-n-propylamine	43		10	ug/L	50.0	1.5 U	86	48-126	65	23	QM-11
Pentachlorophenol	50		10	ug/L	50.0	1.8 U	99	51-135	66	11	QM-11
Phenol	27		10	ug/L	50.0	1.4 U	54	19-78	29	18	QM-11
Pyrene	47		10	ug/L	50.0	2.1 U	94	44-137	58	24	QM-11
Surrogate: 2,4,6-Tribromophenol	*81*			*ug/L*	*100*		*81*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: 2-Fluorophenol	*49*			*ug/L*	*100*		*49*	*10-110*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*81*	*10-149*			
Surrogate: Phenol-d5	*43*			*ug/L*	*100*		*43*	*10-88*			
Surrogate: Terphenyl-d14	*47*			*ug/L*	*50.0*		*94*	*10-188*			

Batch 2F05032 - EPA 3550C_MS

Blank (2F05032-BLK1) Prepared: 06/05/2012 16:12 Analyzed: 06/09/2012 16:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	0.026	U	0.33	mg/kg wet							
1,2-Dichlorobenzene	0.023	U	0.33	mg/kg wet							
1,3-Dichlorobenzene	0.020	U	0.33	mg/kg wet							
1,4-Dichlorobenzene	0.021	U	0.33	mg/kg wet							
1-Methylnaphthalene	0.027	U	0.33	mg/kg wet							
2,4,5-Trichlorophenol	0.027	U	0.33	mg/kg wet							
2,4,6-Trichlorophenol	0.027	U	0.33	mg/kg wet							
2,4-Dichlorophenol	0.024	U	0.33	mg/kg wet							
2,4-Dimethylphenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrophenol	0.043	U	0.33	mg/kg wet							
2,4-Dinitrotoluene	0.028	U	0.33	mg/kg wet							
2,6-Dinitrotoluene	0.031	U	0.33	mg/kg wet							
2-Chloronaphthalene	0.028	U	0.33	mg/kg wet							
2-Chlorophenol	0.025	U	0.33	mg/kg wet							
2-Methyl-4,6-dinitrophenol	0.033	U	0.33	mg/kg wet							
2-Methylnaphthalene	0.028	U	0.33	mg/kg wet							
2-Methylphenol	0.025	U	0.33	mg/kg wet							
2-Nitroaniline	0.030	U	0.33	mg/kg wet							
2-Nitrophenol	0.031	U	0.33	mg/kg wet							
3 & 4-Methylphenol	0.026	U	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	0.098	U	0.33	mg/kg wet							
3-Nitroaniline	0.036	U	0.33	mg/kg wet							
4-Bromophenyl-phenylether	0.027	U	0.33	mg/kg wet							
4-Chloro-3-methylphenol	0.033	U	0.33	mg/kg wet							
4-Chloroaniline	0.093	U	0.33	mg/kg wet							
4-Chlorophenyl-phenylether	0.026	U	0.33	mg/kg wet							
4-Nitroaniline	0.053	U	0.33	mg/kg wet							
4-Nitrophenol	0.031	U	0.33	mg/kg wet							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2F05032 - EPA 3550C_MS

Blank (2F05032-BLK1) Continued Prepared: 06/05/2012 16:12 Analyzed: 06/09/2012 16:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	0.028	U	0.33	mg/kg wet							
Acenaphthylene	0.028	U	0.33	mg/kg wet							
Anthracene	0.038	U	0.33	mg/kg wet							
Benzidine	0.11	U	0.33	mg/kg wet							
Benzo(a)anthracene	0.028	U	0.33	mg/kg wet							
Benzo(a)pyrene	0.033	U	0.33	mg/kg wet							
Benzo(b)fluoranthene	0.018	U	0.33	mg/kg wet							
Benzo(g,h,i)perylene	0.047	U	0.33	mg/kg wet							
Benzo(k)fluoranthene	0.033	U	0.33	mg/kg wet							
Benzoic acid	0.15	U	1.7	mg/kg wet							
Benzyl alcohol	0.023	U	0.33	mg/kg wet							
Bis(2-chloroethoxy)methane	0.025	U	0.33	mg/kg wet							
Bis(2-chloroethyl)ether	0.043	U	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	0.024	U	0.33	mg/kg wet							
Bis(2-ethylhexyl)phthalate	0.035	U	0.33	mg/kg wet							
Butylbenzylphthalate	0.040	U	0.33	mg/kg wet							
Chrysene	0.030	U	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	0.051	U	0.33	mg/kg wet							
Dibenzofuran	0.027	U	0.33	mg/kg wet							
Diethylphthalate	0.028	U	0.33	mg/kg wet							
Dimethylphthalate	0.033	U	0.33	mg/kg wet							
Di-n-butylphthalate	0.041	U	0.33	mg/kg wet							
Di-n-octylphthalate	0.033	U	0.33	mg/kg wet							
Fluoranthene	0.036	U	0.33	mg/kg wet							
Fluorene	0.029	U	0.33	mg/kg wet							
Hexachlorobenzene	0.026	U	0.33	mg/kg wet							
Hexachlorobutadiene	0.026	U	0.33	mg/kg wet							
Hexachlorocyclopentadiene	0.039	U	0.33	mg/kg wet							
Hexachloroethane	0.021	U	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	0.047	U	0.33	mg/kg wet							
Isophorone	0.030	U	0.33	mg/kg wet							
Naphthalene	0.028	U	0.33	mg/kg wet							
Nitrobenzene	0.026	U	0.33	mg/kg wet							
N-Nitrosodimethylamine	0.021	U	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	0.081	U	0.33	mg/kg wet							
N-nitrosodiphenylamine/Diphenylamine	0.054	U	0.33	mg/kg wet							
Pentachlorophenol	0.033	U	0.33	mg/kg wet							
Phenanthrene	0.027	U	0.33	mg/kg wet							
Phenol	0.022	U	0.33	mg/kg wet							
Pyrene	0.038	U	0.33	mg/kg wet							
Pyridine	0.082	U	0.33	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	*2.1*			*mg/kg wet*	*3.33*		*64*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1.3*			*mg/kg wet*	*1.67*		*77*	*56-120*			
Surrogate: 2-Fluorophenol	*1.8*			*mg/kg wet*	*3.33*		*53*	*49-126*			
Surrogate: Nitrobenzene-d5	*1.2*			*mg/kg wet*	*1.67*		*72*	*50-117*			
Surrogate: Phenol-d5	*1.9*			*mg/kg wet*	*3.33*		*56*	*56-120*			
Surrogate: Terphenyl-d14	*1.8*			*mg/kg wet*	*1.67*		*107*	*36-151*			

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QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2F05032 - EPA 3550C_MS

LCS (2F05032-BS1) Prepared: 06/05/2012 16:12 Analyzed: 06/09/2012 16:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1.4		0.33	mg/kg wet	1.67		84	51-121			
1,4-Dichlorobenzene	1.4		0.33	mg/kg wet	1.67		82	48-118			
2,4-Dinitrotoluene	1.5		0.33	mg/kg wet	1.67		88	63-127			
2-Chlorophenol	1.4		0.33	mg/kg wet	1.67		82	56-120			
4-Chloro-3-methylphenol	1.4		0.33	mg/kg wet	1.67		85	59-121			
4-Nitrophenol	1.3		0.33	mg/kg wet	1.67		80	73-147			
Acenaphthene	1.5		0.33	mg/kg wet	1.67		88	64-131			
N-Nitroso-di-n-propylamine	1.4		0.33	mg/kg wet	1.67		82	55-135			
Pentachlorophenol	1.6		0.33	mg/kg wet	1.67		93	45-117			
Phenol	1.3		0.33	mg/kg wet	1.67		79	54-121			
Pyrene	1.5		0.33	mg/kg wet	1.67		92	65-146			
Surrogate: 2,4,6-Tribromophenol	*2.4*			*mg/kg wet*	*3.33*		*73*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1.3*			*mg/kg wet*	*1.67*		*77*	*56-120*			
Surrogate: 2-Fluorophenol	*2.0*			*mg/kg wet*	*3.33*		*59*	*49-126*			
Surrogate: Nitrobenzene-d5	*1.2*			*mg/kg wet*	*1.67*		*75*	*50-117*			
Surrogate: Phenol-d5	*2.1*			*mg/kg wet*	*3.33*		*62*	*56-120*			
Surrogate: Terphenyl-d14	*1.7*			*mg/kg wet*	*1.67*		*102*	*36-151*			

Matrix Spike (2F05032-MS1) Prepared: 06/05/2012 16:12 Analyzed: 06/09/2012 17:49

Source: C205706-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1.7		0.40	mg/kg dry	2.00	0.031 U	85	51-121			
1,4-Dichlorobenzene	1.7		0.40	mg/kg dry	2.00	0.025 U	83	48-118			
2,4-Dinitrotoluene	1.8		0.40	mg/kg dry	2.00	0.034 U	88	63-127			
2-Chlorophenol	1.6		0.40	mg/kg dry	2.00	0.030 U	82	56-120			
4-Chloro-3-methylphenol	1.7		0.40	mg/kg dry	2.00	0.040 U	85	59-121			
4-Nitrophenol	1.6		0.40	mg/kg dry	2.00	0.037 U	80	73-147			
Acenaphthene	1.7		0.40	mg/kg dry	2.00	0.034 U	87	64-131			
N-Nitroso-di-n-propylamine	1.6		0.40	mg/kg dry	2.00	0.097 U	82	55-135			
Pentachlorophenol	1.9		0.40	mg/kg dry	2.00	0.040 U	94	45-117			
Phenol	1.6		0.40	mg/kg dry	2.00	0.026 U	82	54-121			
Pyrene	1.8		0.40	mg/kg dry	2.00	0.046 U	91	65-146			
Surrogate: 2,4,6-Tribromophenol	*2.9*			*mg/kg dry*	*4.01*		*72*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1.5*			*mg/kg dry*	*2.00*		*74*	*56-120*			
Surrogate: 2-Fluorophenol	*2.3*			*mg/kg dry*	*4.01*		*58*	*49-126*			
Surrogate: Nitrobenzene-d5	*1.5*			*mg/kg dry*	*2.00*		*74*	*50-117*			
Surrogate: Phenol-d5	*2.4*			*mg/kg dry*	*4.01*		*61*	*56-120*			
Surrogate: Terphenyl-d14	*1.9*			*mg/kg dry*	*2.00*		*97*	*36-151*			

Matrix Spike Dup (2F05032-MSD1) Prepared: 06/05/2012 16:12 Analyzed: 06/09/2012 18:16

Source: C205706-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1.6		0.40	mg/kg dry	2.00	0.031 U	80	51-121	6	10	
1,4-Dichlorobenzene	1.6		0.40	mg/kg dry	2.00	0.025 U	78	48-118	6	13	
2,4-Dinitrotoluene	1.7		0.40	mg/kg dry	2.00	0.034 U	87	63-127	2	10	

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QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2F05032 - EPA 3550C_MS

Matrix Spike Dup (2F05032-MSD1) Continued Prepared: 06/05/2012 16:12 Analyzed: 06/09/2012 18:16

Source: C205706-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	1.6		0.40	mg/kg dry	2.00	0.030 U	78	56-120	4	11	
4-Chloro-3-methylphenol	1.7		0.40	mg/kg dry	2.00	0.040 U	84	59-121	1	10	
4-Nitrophenol	1.6		0.40	mg/kg dry	2.00	0.037 U	81	73-147	1	10	
Acenaphthene	1.7		0.40	mg/kg dry	2.00	0.034 U	84	64-131	4	19	
N-Nitroso-di-n-propylamine	1.6		0.40	mg/kg dry	2.00	0.097 U	78	55-135	5	10	
Pentachlorophenol	1.8		0.40	mg/kg dry	2.00	0.040 U	91	45-117	4	10	
Phenol	1.6		0.40	mg/kg dry	2.00	0.026 U	80	54-121	2	13	
Pyrene	1.8		0.40	mg/kg dry	2.00	0.046 U	88	65-146	4	50	
Surrogate: 2,4,6-Tribromophenol	*2.9*			*mg/kg dry*	*4.01*		*72*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1.5*			*mg/kg dry*	*2.00*		*72*	*56-120*			
Surrogate: 2-Fluorophenol	*2.2*			*mg/kg dry*	*4.01*		*56*	*49-126*			
Surrogate: Nitrobenzene-d5	*1.4*			*mg/kg dry*	*2.00*		*71*	*50-117*			
Surrogate: Phenol-d5	*2.4*			*mg/kg dry*	*4.01*		*59*	*56-120*			
Surrogate: Terphenyl-d14	*1.9*			*mg/kg dry*	*2.00*		*94*	*36-151*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2E25010 - EPA 3050B

Blank (2E25010-BLK1) Prepared: 05/25/2012 09:02 Analyzed: 05/25/2012 14:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	0.00960	U	0.0500	mg/kg wet							
Chromium	0.100	U	0.500	mg/kg wet							
Lead	0.120	U	0.500	mg/kg wet							

LCS (2E25010-BS1) Prepared: 05/25/2012 09:02 Analyzed: 05/25/2012 14:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	0.983		0.0500	mg/kg wet	1.00		98	80-120			
Chromium	9.68		0.500	mg/kg wet	10.0		97	80-120			
Lead	9.81		0.500	mg/kg wet	10.0		98	80-120			

Matrix Spike (2E25010-MS1) Prepared: 05/25/2012 09:02 Analyzed: 05/25/2012 14:11

Source: C205706-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	1.16		0.0601	mg/kg dry	1.19	0.0115 U	97	75-125			
Chromium	18.9		0.601	mg/kg dry	11.9	6.38	105	75-125			
Lead	16.5		0.601	mg/kg dry	11.9	6.46	84	75-125			

Matrix Spike Dup (2E25010-MSD1) Prepared: 05/25/2012 09:02 Analyzed: 05/25/2012 14:13

Source: C205706-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	1.16		0.0601	mg/kg dry	1.21	0.0115 U	95	75-125	0.005	20	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2E25010 - EPA 3050B

Matrix Spike Dup (2E25010-MSD1) Continued Prepared: 05/25/2012 09:02 Analyzed: 05/25/2012 14:13

Source: C205706-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	20.0		0.601	mg/kg dry	12.1	6.38	112	75-125	6	20	
Lead	18.5		0.601	mg/kg dry	12.1	6.46	100	75-125	12	20	

Post Spike (2E25010-PS1) Prepared: 05/25/2012 09:02 Analyzed: 05/25/2012 14:14

Source: C205706-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	0.0203		0.00100	mg/L	0.0200	-0.000172	103	80-120			
Chromium	0.308		0.0100	mg/L	0.200	0.105	102	80-120			
Lead	0.309		0.0100	mg/L	0.200	0.106	101	80-120			

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

Batch 2E25011 - EPA 3005A

Blank (2E25011-BLK1) Prepared: 05/25/2012 09:05 Analyzed: 05/29/2012 11:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							

LCS (2E25011-BS1) Prepared: 05/25/2012 09:05 Analyzed: 05/29/2012 11:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	21.0		1.00	ug/L	20.0		105	80-120			
Chromium	198		10.0	ug/L	200		99	80-120			
Lead	199		10.0	ug/L	200		100	80-120			

Matrix Spike (2E25011-MS1) Prepared: 05/25/2012 09:05 Analyzed: 05/29/2012 11:13

Source: C205843-15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	18.5		1.00	ug/L	20.0	0.360 U	92	75-125			
Chromium	317		10.0	ug/L	200	109	104	75-125			
Lead	296		10.0	ug/L	200	103	97	75-125			

Matrix Spike Dup (2E25011-MSD1) Prepared: 05/25/2012 09:05 Analyzed: 05/29/2012 11:15

Source: C205843-15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	18.6		1.00	ug/L	20.0	0.360 U	93	75-125	0.8	20	
Chromium	326		10.0	ug/L	200	109	108	75-125	3	20	
Lead	309		10.0	ug/L	200	103	103	75-125	4	20	

Post Spike (2E25011-PS1) Prepared: 05/25/2012 09:05 Analyzed: 05/29/2012 11:17

QUALITY CONTROL

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

Batch 2E25011 - EPA 3005A

Post Spike (2E25011-PS1) Continued Prepared: 05/25/2012 09:05 Analyzed: 05/29/2012 11:17

Source: C205843-15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	0.212		0.00100	mg/L	0.0200	-0.00393	NR	80-120			QM-08
Chromium	0.309		0.0100	mg/L	0.200	0.109	100	80-120			
Lead	0.303		0.0100	mg/L	0.200	0.103	100	80-120			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
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-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QS-03	Surrogate recovery outside acceptance limits
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD www.encolabs.com

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102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Page 1 of 2

Client Name: GEOLOGIX (GE024)	Project Number: [none]
Address: 5316 DEEP VALLEY RUN	Project Name/Desc: Progress Energy Jacksonville
City/ST/Zip: RALEIGH, NC 27606-	PO # / Billing Info: —
Tel: (919) 859-4544 Fax: () -	Reporting Contact: ROB LIVERMON
Sampler(s) Name, Affiliation (Print): Robert H. Livermon, Jr (Geologix)	Billing Contact: Accounts Payable
Sampler(s) Signature: Robert H. Livermon, Jr.	Site Location / Time Zone: —

Requested Analyses: %Solids,8270D; %Solids,Cd,Cr,Pb; 8260B; 8270D; Cd,Cr,Pb

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

Lab Workorder: C205843

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	%Solids,8270D	%Solids,Cd,Cr,Pb	8260B	8270D	Cd,Cr,Pb					Sample Comments
	GW-1	5/24/12	0930	G	GW	4			X	X						Cooler/ice
	GW-2		0945	G	GW	4			X	X						
	GW-3		1000	G	GW	4			X	X						
	GW-4		1030	G	GW	4			X	X						
	GW-5		1130	G	GW	4			X	X						
	GW-6		1230	G	GW	4			X	X						
	GW-7		1300	G	GW	4			X	X						
	B-1		0930	G	SO	4	X		X							
	B-2		0945	G	SO	4	X		X							
	B-3		1000	G	SO	4	X		X							
	B-4		1030	G	SO	4	X		X							
	B-5		1130	G	SO	4	X		X							

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		Robert H. Livermon Jr	5/24/12 1615	Briana Shirey	5/24/12 16:15
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-736 2.3°C SP-43 2.5°C

Condition Upon Receipt: ✓ 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)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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Cary, NC 27511
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Client Name: GEOLOGIX (GE024)	Project Number: [none]
Address: 5316 DEEP VALLEY RUN	Project Name/Desc: Progress Energy Jacksonville
City/ST/Zip: RALEIGH, NC 27606-	PO # / Billing Info: —
Tel: (919) 859-4544 Fax: () -	Reporting Contact: ROB LIVERMON
Sampler(s) Name, Affiliation (Print): Robert H. Livermon, Jr. (Geologix)	Billing Contact: Accounts Payable
Sampler(s) Signature: Robert H. Livermon, Jr.	Site Location / Time Zone: —

Requested Analyses: %Solids,8270D; %Solids,Cd,Cr,Pb; 8260B; 8270D; Cd,Cr,Pb

Requested Turnaround Times: Note : Rush requests subject to acceptance by the facility — ✓ Standard; ___ Expedited; Due __/__/__

Lab Workorder: C205843

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	%Solids,8270D	%Solids,Cd,Cr,Pb	8260B	8270D	Cd,Cr,Pb						Sample Comments
	B-6	5/24/12	1230	G	SO	4	X		X								Cooler/Ice
	B-7	↓	1300	G	SO	4	X		X								↓
	GW-1		0930	G	GW	1					X						
	GW-2		0945	G	GW	1					X						
	GW-3		1000	G	GW	1					X						
	GW-4		1030	G	GW	1					X						
	B-1		0930	G	SO	1		X									
	B-2		0945	G	SO	1		X									
	B-3		1000	G	SO	1		X									
	B-4	↓	1030	G	SO	1		X									

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		Robert H. Livermon Jr	5/24/12 1615	Briana Gregory	5/24/12 16:15
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-736 2.3°C SP-43 2.5°C

Condition Upon Receipt: ✓ 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)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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SGS ANALYTICAL PERSPECTIVES

Laboratory Report of Analysis

To: Joe Zuncich
APPLIED RESOURCE MANAGEMENT
P.O. Box 882
Hampstead, NC 28443

Report Number: **31202468**

Client Project: **Stancil Property**

Dear Joe Zuncich,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Michael D. Page at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Digitally signed by: Michael Page
Date: 2012.08.17 09:49:20 -04'00'

Michael D. Page — Date
Project Manager
michael.page@sgs.com

Print Date: 08/17/2012 — N.C. Certification # 481

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < DL)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Estimated Concentration.
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMPC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
SB-1	31202468001	08/03/2012 08:04	08/03/2012 13:05	Soil-Solid as dry weight
SB-2	31202468002	08/02/2012 15:20	08/03/2012 13:05	Soil-Solid as dry weight
SB-3	31202468003	08/03/2012 09:04	08/03/2012 13:05	Soil-Solid as dry weight
SB-4	31202468004	08/03/2012 08:35	08/03/2012 13:05	Soil-Solid as dry weight
SB-5	31202468005	08/02/2012 13:30	08/03/2012 13:05	Soil-Solid as dry weight
SB-6	31202468006	08/02/2012 14:07	08/03/2012 13:05	Soil-Solid as dry weight
SB-7	31202468007	08/02/2012 14:23	08/03/2012 13:05	Soil-Solid as dry weight
SB-8	31202468008	08/02/2012 14:52	08/03/2012 13:05	Soil-Solid as dry weight
AMW-1	31202468009	08/03/2012 10:10	08/03/2012 13:05	Water
Trip Blanks (Not on COC-Water)	31202468010	08/03/2012 00:00	08/03/2012 13:05	Water
Trip Blanks (Not on COC-Soil)	31202468011	08/03/2012 00:00	08/03/2012 13:05	Soil-Solid as dry weight

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Case Narrative

SB-3

8260 - This sample required a 50X dilution due to non-target matrix interferences.

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SGS ANALYTICAL PERSPECTIVES

Results of **SB-1**

Client Sample ID: **SB-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468001-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.80

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.567	4.00	ug/Kg	1	08/7/2012 12:36
1,1,1-Trichloroethane	ND	U	0.602	4.00	ug/Kg	1	08/7/2012 12:36
1,1,2,2-Tetrachloroethane	ND	U	0.935	4.00	ug/Kg	1	08/7/2012 12:36
1,1,2-Trichloroethane	ND	U	0.831	4.00	ug/Kg	1	08/7/2012 12:36
1,1-Dichloroethane	ND	U	0.430	4.00	ug/Kg	1	08/7/2012 12:36
1,1-Dichloroethene	ND	U	0.927	4.00	ug/Kg	1	08/7/2012 12:36
1,1-Dichloropropene	ND	U	0.540	4.00	ug/Kg	1	08/7/2012 12:36
1,2,3-Trichlorobenzene	ND	U	0.665	4.00	ug/Kg	1	08/7/2012 12:36
1,2,3-Trichloropropane	ND	U	0.823	4.00	ug/Kg	1	08/7/2012 12:36
1,2,4-Trichlorobenzene	ND	U	0.583	4.00	ug/Kg	1	08/7/2012 12:36
1,2,4-Trimethylbenzene	ND	U	0.509	4.00	ug/Kg	1	08/7/2012 12:36
1,2-Dibromo-3-chloropropane	ND	U	5.92	24.0	ug/Kg	1	08/7/2012 12:36
1,2-Dibromoethane	ND	U	1.05	4.00	ug/Kg	1	08/7/2012 12:36
1,2-Dichlorobenzene	ND	U	0.568	4.00	ug/Kg	1	08/7/2012 12:36
1,2-Dichloroethane	ND	U	0.730	4.00	ug/Kg	1	08/7/2012 12:36
1,2-Dichloropropane	ND	U	0.919	4.00	ug/Kg	1	08/7/2012 12:36
1,3,5-Trimethylbenzene	ND	U	0.486	4.00	ug/Kg	1	08/7/2012 12:36
1,3-Dichlorobenzene	ND	U	0.575	4.00	ug/Kg	1	08/7/2012 12:36
1,3-Dichloropropane	ND	U	0.702	4.00	ug/Kg	1	08/7/2012 12:36
1,4-Dichlorobenzene	ND	U	0.539	4.00	ug/Kg	1	08/7/2012 12:36
2,2-Dichloropropane	ND	U	0.590	4.00	ug/Kg	1	08/7/2012 12:36
2-Butanone	ND	U	2.70	20.0	ug/Kg	1	08/7/2012 12:36
2-Chlorotoluene	ND	U	0.749	4.00	ug/Kg	1	08/7/2012 12:36
2-Hexanone	ND	U	2.57	9.99	ug/Kg	1	08/7/2012 12:36
4-Chlorotoluene	ND	U	0.604	4.00	ug/Kg	1	08/7/2012 12:36
4-Isopropyltoluene	ND	U	0.515	4.00	ug/Kg	1	08/7/2012 12:36
4-Methyl-2-pentanone	ND	U	2.99	9.99	ug/Kg	1	08/7/2012 12:36
Acetone	**20.5**	J	3.20	40.0	ug/Kg	1	08/7/2012 12:36
Benzene	ND	U	0.568	4.00	ug/Kg	1	08/7/2012 12:36
Bromobenzene	ND	U	0.557	4.00	ug/Kg	1	08/7/2012 12:36
Bromochloromethane	ND	U	0.751	4.00	ug/Kg	1	08/7/2012 12:36
Bromodichloromethane	ND	U	0.563	4.00	ug/Kg	1	08/7/2012 12:36
Bromoform	ND	U	0.579	4.00	ug/Kg	1	08/7/2012 12:36
Bromomethane	ND	U	1.16	4.00	ug/Kg	1	08/7/2012 12:36
n-Butylbenzene	ND	U	0.525	4.00	ug/Kg	1	08/7/2012 12:36
Carbon disulfide	ND	U	0.418	4.00	ug/Kg	1	08/7/2012 12:36
Carbon tetrachloride	ND	U	0.455	4.00	ug/Kg	1	08/7/2012 12:36
Chlorobenzene	ND	U	0.558	4.00	ug/Kg	1	08/7/2012 12:36
Chloroethane	ND	U	0.799	4.00	ug/Kg	1	08/7/2012 12:36
Chloroform	ND	U	0.509	4.00	ug/Kg	1	08/7/2012 12:36
Chloromethane	ND	U	1.14	4.00	ug/Kg	1	08/7/2012 12:36
Dibromochloromethane	ND	U	0.887	4.00	ug/Kg	1	08/7/2012 12:36
Dibromomethane	ND	U	0.705	4.00	ug/Kg	1	08/7/2012 12:36
Dichlorodifluoromethane	ND	U	0.839	4.00	ug/Kg	1	08/7/2012 12:36

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of **SB-1**

Client Sample ID: **SB-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468001-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.80

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.823	4.00	ug/Kg	1	08/7/2012 12:36
trans-1,3-Dichloropropene	ND	U	0.754	4.00	ug/Kg	1	08/7/2012 12:36
Diisopropyl Ether	ND	U	0.656	4.00	ug/Kg	1	08/7/2012 12:36
Ethyl Benzene	ND	U	0.563	4.00	ug/Kg	1	08/7/2012 12:36
Hexachlorobutadiene	ND	U	0.549	4.00	ug/Kg	1	08/7/2012 12:36
Isopropylbenzene (Cumene)	ND	U	0.497	4.00	ug/Kg	1	08/7/2012 12:36
Methyl iodide	ND	U	0.612	4.00	ug/Kg	1	08/7/2012 12:36
Methylene chloride	**2.50**	J	0.839	16.0	ug/Kg	1	08/7/2012 12:36
Naphthalene	ND	U	0.726	4.00	ug/Kg	1	08/7/2012 12:36
Styrene	ND	U	0.460	4.00	ug/Kg	1	08/7/2012 12:36
Tetrachloroethene	ND	U	0.600	4.00	ug/Kg	1	08/7/2012 12:36
Toluene	ND	U	0.550	4.00	ug/Kg	1	08/7/2012 12:36
Trichloroethene	ND	U	0.673	4.00	ug/Kg	1	08/7/2012 12:36
Trichlorofluoromethane	ND	U	0.807	4.00	ug/Kg	1	08/7/2012 12:36
Vinyl chloride	ND	U	0.759	4.00	ug/Kg	1	08/7/2012 12:36
Xylene (total)	ND	U	1.41	7.99	ug/Kg	1	08/7/2012 12:36
cis-1,2-Dichloroethene	ND	U	0.488	4.00	ug/Kg	1	08/7/2012 12:36
m,p-Xylene	ND	U	1.35	7.99	ug/Kg	1	08/7/2012 12:36
n-Propylbenzene	ND	U	0.585	4.00	ug/Kg	1	08/7/2012 12:36
o-Xylene	ND	U	0.612	4.00	ug/Kg	1	08/7/2012 12:36
sec-Butylbenzene	ND	U	0.479	4.00	ug/Kg	1	08/7/2012 12:36
tert-Butyl methyl ether (MTBE)	ND	U	0.635	4.00	ug/Kg	1	08/7/2012 12:36
tert-Butylbenzene	ND	U	0.538	4.00	ug/Kg	1	08/7/2012 12:36
trans-1,2-Dichloroethene	ND	U	0.583	4.00	ug/Kg	1	08/7/2012 12:36
trans-1,4-Dichloro-2-butene	ND	U	3.36	20.0	ug/Kg	1	08/7/2012 12:36
Surrogates							
1,2-Dichloroethane-d4	116			55.0-173	%	1	08/7/2012 12:36
4-Bromofluorobenzene	98.0			23.0-141	%	1	08/7/2012 12:36
Toluene d8	102			57.0-134	%	1	08/7/2012 12:36

Batch Information

Analytical Batch: **VMS2451**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/07/2012 12:36**

Prep Batch: **VXX3769**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/03/2012 16:27**
Prep Initial Wt./Vol.: **7.38 g**
Prep Extract Vol: **5 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **SB-1**

Client Sample ID: **SB-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468001-E
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.80

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	33.7	383	ug/Kg	1	08/7/2012 13:39
1,2-Dichlorobenzene	ND	U	19.1	383	ug/Kg	1	08/7/2012 13:39
1,3-Dichlorobenzene	ND	U	25.8	383	ug/Kg	1	08/7/2012 13:39
1,4-Dichlorobenzene	ND	U	27.0	383	ug/Kg	1	08/7/2012 13:39
2,4-Dinitrotoluene	ND	U	19.3	383	ug/Kg	1	08/7/2012 13:39
2,6-Dinitrotoluene	ND	U	27.4	383	ug/Kg	1	08/7/2012 13:39
2-Chloronaphthalene	ND	U	22.5	383	ug/Kg	1	08/7/2012 13:39
2-Methylnaphthalene	ND	U	30.9	383	ug/Kg	1	08/7/2012 13:39
2-Nitroaniline	ND	U	25.2	383	ug/Kg	1	08/7/2012 13:39
3,3'-Dichlorobenzidine	ND	U	18.3	383	ug/Kg	1	08/7/2012 13:39
3-Nitroaniline	ND	U	17.2	383	ug/Kg	1	08/7/2012 13:39
4-Chloroaniline	ND	U	30.6	383	ug/Kg	1	08/7/2012 13:39
4-Chlorophenyl phenyl ether	ND	U	40.8	383	ug/Kg	1	08/7/2012 13:39
Acenaphthene	ND	U	17.4	383	ug/Kg	1	08/7/2012 13:39
Acenaphthylene	ND	U	16.1	383	ug/Kg	1	08/7/2012 13:39
Anthracene	ND	U	17.0	383	ug/Kg	1	08/7/2012 13:39
Benzo(a)anthracene	ND	U	21.0	383	ug/Kg	1	08/7/2012 13:39
Benzo(a)pyrene	ND	U	21.6	383	ug/Kg	1	08/7/2012 13:39
Benzo(b)fluoranthene	ND	U	22.0	383	ug/Kg	1	08/7/2012 13:39
Benzo(g,h,i)perylene	ND	U	60.9	383	ug/Kg	1	08/7/2012 13:39
Benzo(k)fluoranthene	ND	U	45.8	383	ug/Kg	1	08/7/2012 13:39
Bis(2-Chloroethoxy)methane	ND	U	17.2	383	ug/Kg	1	08/7/2012 13:39
Bis(2-Chloroethyl)ether	ND	U	35.7	383	ug/Kg	1	08/7/2012 13:39
Bis(2-Chloroisopropyl)ether	ND	U	33.4	383	ug/Kg	1	08/7/2012 13:39
Bis(2-Ethylhexyl)phthalate	ND	U	18.3	383	ug/Kg	1	08/7/2012 13:39
4-Bromophenyl phenyl ether	ND	U	25.2	383	ug/Kg	1	08/7/2012 13:39
Butyl benzyl phthalate	ND	U	33.3	383	ug/Kg	1	08/7/2012 13:39
Chrysene	ND	U	44.5	383	ug/Kg	1	08/7/2012 13:39
Di-n-butyl phthalate	ND	U	18.1	383	ug/Kg	1	08/7/2012 13:39
Di-n-octyl phthalate	ND	U	21.2	383	ug/Kg	1	08/7/2012 13:39
Dibenz(a,h)anthracene	ND	U	17.2	383	ug/Kg	1	08/7/2012 13:39
Dibenzofuran	ND	U	30.0	383	ug/Kg	1	08/7/2012 13:39
Diethyl phthalate	ND	U	20.7	383	ug/Kg	1	08/7/2012 13:39
Dimethyl phthalate	ND	U	29.3	383	ug/Kg	1	08/7/2012 13:39
Diphenylamine	ND	U	17.2	383	ug/Kg	1	08/7/2012 13:39
Fluoranthene	ND	U	35.9	383	ug/Kg	1	08/7/2012 13:39
Fluorene	ND	U	20.3	383	ug/Kg	1	08/7/2012 13:39
Hexachlorobenzene	ND	U	36.2	383	ug/Kg	1	08/7/2012 13:39
Hexachlorobutadiene	ND	U	22.9	383	ug/Kg	1	08/7/2012 13:39
Hexachlorocyclopentadiene	ND	U	116	383	ug/Kg	1	08/7/2012 13:39
Hexachloroethane	ND	U	22.0	383	ug/Kg	1	08/7/2012 13:39
Indeno(1,2,3-cd)pyrene	ND	U	29.8	383	ug/Kg	1	08/7/2012 13:39
Isophorone	ND	U	17.4	383	ug/Kg	1	08/7/2012 13:39
Naphthalene	ND	U	33.0	383	ug/Kg	1	08/7/2012 13:39

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **SB-1**

Client Sample ID: **SB-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468001-E
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.80

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	22.0	383	ug/Kg	1	08/7/2012 13:39
Nitrobenzene	ND	U	22.0	383	ug/Kg	1	08/7/2012 13:39
Phenanthrene	ND	U	25.2	383	ug/Kg	1	08/7/2012 13:39
Pyrene	ND	U	16.1	383	ug/Kg	1	08/7/2012 13:39
n-Nitrosodi-n-propylamine	ND	U	110	383	ug/Kg	1	08/7/2012 13:39
Surrogates							
2-Fluorobiphenyl	66.0			48.0-123	%	1	08/7/2012 13:39
Nitrobenzene-d5	56.0			46.0-117	%	1	08/7/2012 13:39
Terphenyl-d14	103			44.0-140	%	1	08/7/2012 13:39

Batch Information

Analytical Batch: **XMS1627**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/07/2012 13:39**

Prep Batch: **XXX2893**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/06/2012 16:36**
Prep Initial Wt./Vol.: **30.87 g**
Prep Extract Vol: **10 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of SB-1

Client Sample ID: **SB-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468001-E
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.80

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Chromium	**8.68**		0.167	1.16	mg/kg	1	08/15/2012 14:12

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 14:12**

Prep Batch: **MXX2229**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/13/2012 08:30**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **SB-2**

Client Sample ID: **SB-2**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468002-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 15:20
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.50

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.584	4.12	ug/Kg	1	08/6/2012 16:32
1,1,1-Trichloroethane	ND	U	0.621	4.12	ug/Kg	1	08/6/2012 16:32
1,1,2,2-Tetrachloroethane	ND	U	0.963	4.12	ug/Kg	1	08/6/2012 16:32
1,1,2-Trichloroethane	ND	U	0.856	4.12	ug/Kg	1	08/6/2012 16:32
1,1-Dichloroethane	ND	U	0.443	4.12	ug/Kg	1	08/6/2012 16:32
1,1-Dichloroethene	ND	U	0.955	4.12	ug/Kg	1	08/6/2012 16:32
1,1-Dichloropropene	ND	U	0.557	4.12	ug/Kg	1	08/6/2012 16:32
1,2,3-Trichlorobenzene	ND	U	0.685	4.12	ug/Kg	1	08/6/2012 16:32
1,2,3-Trichloropropane	ND	U	0.848	4.12	ug/Kg	1	08/6/2012 16:32
1,2,4-Trichlorobenzene	ND	U	0.600	4.12	ug/Kg	1	08/6/2012 16:32
1,2,4-Trimethylbenzene	ND	U	0.525	4.12	ug/Kg	1	08/6/2012 16:32
1,2-Dibromo-3-chloropropane	ND	U	6.10	24.7	ug/Kg	1	08/6/2012 16:32
1,2-Dibromoethane	ND	U	1.08	4.12	ug/Kg	1	08/6/2012 16:32
1,2-Dichlorobenzene	ND	U	0.585	4.12	ug/Kg	1	08/6/2012 16:32
1,2-Dichloroethane	ND	U	0.752	4.12	ug/Kg	1	08/6/2012 16:32
1,2-Dichloropropane	ND	U	0.947	4.12	ug/Kg	1	08/6/2012 16:32
1,3,5-Trimethylbenzene	ND	U	0.501	4.12	ug/Kg	1	08/6/2012 16:32
1,3-Dichlorobenzene	ND	U	0.592	4.12	ug/Kg	1	08/6/2012 16:32
1,3-Dichloropropane	ND	U	0.724	4.12	ug/Kg	1	08/6/2012 16:32
1,4-Dichlorobenzene	ND	U	0.556	4.12	ug/Kg	1	08/6/2012 16:32
2,2-Dichloropropane	ND	U	0.608	4.12	ug/Kg	1	08/6/2012 16:32
2-Butanone	ND	U	2.78	20.6	ug/Kg	1	08/6/2012 16:32
2-Chlorotoluene	ND	U	0.772	4.12	ug/Kg	1	08/6/2012 16:32
2-Hexanone	ND	U	2.65	10.3	ug/Kg	1	08/6/2012 16:32
4-Chlorotoluene	ND	U	0.623	4.12	ug/Kg	1	08/6/2012 16:32
4-Isopropyltoluene	ND	U	0.531	4.12	ug/Kg	1	08/6/2012 16:32
4-Methyl-2-pentanone	ND	U	3.08	10.3	ug/Kg	1	08/6/2012 16:32
Acetone	**12.6**	J	3.30	41.2	ug/Kg	1	08/6/2012 16:32
Benzene	ND	U	0.585	4.12	ug/Kg	1	08/6/2012 16:32
Bromobenzene	ND	U	0.574	4.12	ug/Kg	1	08/6/2012 16:32
Bromochloromethane	ND	U	0.774	4.12	ug/Kg	1	08/6/2012 16:32
Bromodichloromethane	ND	U	0.580	4.12	ug/Kg	1	08/6/2012 16:32
Bromoform	ND	U	0.596	4.12	ug/Kg	1	08/6/2012 16:32
Bromomethane	ND	U	1.19	4.12	ug/Kg	1	08/6/2012 16:32
n-Butylbenzene	ND	U	0.541	4.12	ug/Kg	1	08/6/2012 16:32
Carbon disulfide	ND	U	0.431	4.12	ug/Kg	1	08/6/2012 16:32
Carbon tetrachloride	ND	U	0.469	4.12	ug/Kg	1	08/6/2012 16:32
Chlorobenzene	ND	U	0.575	4.12	ug/Kg	1	08/6/2012 16:32
Chloroethane	ND	U	0.823	4.12	ug/Kg	1	08/6/2012 16:32
Chloroform	ND	U	0.525	4.12	ug/Kg	1	08/6/2012 16:32
Chloromethane	ND	U	1.18	4.12	ug/Kg	1	08/6/2012 16:32
Dibromochloromethane	ND	U	0.914	4.12	ug/Kg	1	08/6/2012 16:32
Dibromomethane	ND	U	0.726	4.12	ug/Kg	1	08/6/2012 16:32
Dichlorodifluoromethane	ND	U	0.865	4.12	ug/Kg	1	08/6/2012 16:32

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Results of **SB-2**

Client Sample ID: **SB-2**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468002-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 15:20
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.50

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	30.3	344	ug/Kg	1	08/7/2012 14:48
1,2-Dichlorobenzene	ND	U	17.2	344	ug/Kg	1	08/7/2012 14:48
1,3-Dichlorobenzene	ND	U	23.2	344	ug/Kg	1	08/7/2012 14:48
1,4-Dichlorobenzene	ND	U	24.3	344	ug/Kg	1	08/7/2012 14:48
2,4-Dinitrotoluene	ND	U	17.4	344	ug/Kg	1	08/7/2012 14:48
2,6-Dinitrotoluene	ND	U	24.6	344	ug/Kg	1	08/7/2012 14:48
2-Chloronaphthalene	ND	U	20.2	344	ug/Kg	1	08/7/2012 14:48
2-Methylnaphthalene	ND	U	27.8	344	ug/Kg	1	08/7/2012 14:48
2-Nitroaniline	ND	U	22.6	344	ug/Kg	1	08/7/2012 14:48
3,3'-Dichlorobenzidine	ND	U	16.5	344	ug/Kg	1	08/7/2012 14:48
3-Nitroaniline	ND	U	15.5	344	ug/Kg	1	08/7/2012 14:48
4-Chloroaniline	ND	U	27.5	344	ug/Kg	1	08/7/2012 14:48
4-Chlorophenyl phenyl ether	ND	U	36.7	344	ug/Kg	1	08/7/2012 14:48
Acenaphthene	ND	U	15.6	344	ug/Kg	1	08/7/2012 14:48
Acenaphthylene	ND	U	14.5	344	ug/Kg	1	08/7/2012 14:48
Anthracene	ND	U	15.3	344	ug/Kg	1	08/7/2012 14:48
Benzo(a)anthracene	ND	U	18.9	344	ug/Kg	1	08/7/2012 14:48
Benzo(a)pyrene	ND	U	19.5	344	ug/Kg	1	08/7/2012 14:48
Benzo(b)fluoranthene	ND	U	19.8	344	ug/Kg	1	08/7/2012 14:48
Benzo(g,h,i)perylene	ND	U	54.8	344	ug/Kg	1	08/7/2012 14:48
Benzo(k)fluoranthene	ND	U	41.2	344	ug/Kg	1	08/7/2012 14:48
Bis(2-Chloroethoxy)methane	ND	U	15.5	344	ug/Kg	1	08/7/2012 14:48
Bis(2-Chloroethyl)ether	ND	U	32.1	344	ug/Kg	1	08/7/2012 14:48
Bis(2-Chloroisopropyl)ether	ND	U	30.0	344	ug/Kg	1	08/7/2012 14:48
Bis(2-Ethylhexyl)phthalate	ND	U	16.5	344	ug/Kg	1	08/7/2012 14:48
4-Bromophenyl phenyl ether	ND	U	22.6	344	ug/Kg	1	08/7/2012 14:48
Butyl benzyl phthalate	ND	U	29.9	344	ug/Kg	1	08/7/2012 14:48
Chrysene	ND	U	40.0	344	ug/Kg	1	08/7/2012 14:48
Di-n-butyl phthalate	ND	U	16.3	344	ug/Kg	1	08/7/2012 14:48
Di-n-octyl phthalate	ND	U	19.0	344	ug/Kg	1	08/7/2012 14:48
Dibenz(a,h)anthracene	ND	U	15.5	344	ug/Kg	1	08/7/2012 14:48
Dibenzofuran	ND	U	26.9	344	ug/Kg	1	08/7/2012 14:48
Diethyl phthalate	ND	U	18.6	344	ug/Kg	1	08/7/2012 14:48
Dimethyl phthalate	ND	U	26.4	344	ug/Kg	1	08/7/2012 14:48
Diphenylamine	ND	U	15.5	344	ug/Kg	1	08/7/2012 14:48
Fluoranthene	ND	U	32.3	344	ug/Kg	1	08/7/2012 14:48
Fluorene	ND	U	18.3	344	ug/Kg	1	08/7/2012 14:48
Hexachlorobenzene	ND	U	32.5	344	ug/Kg	1	08/7/2012 14:48
Hexachlorobutadiene	ND	U	20.6	344	ug/Kg	1	08/7/2012 14:48
Hexachlorocyclopentadiene	ND	U	104	344	ug/Kg	1	08/7/2012 14:48
Hexachloroethane	ND	U	19.8	344	ug/Kg	1	08/7/2012 14:48
Indeno(1,2,3-cd)pyrene	ND	U	26.8	344	ug/Kg	1	08/7/2012 14:48
Isophorone	ND	U	15.6	344	ug/Kg	1	08/7/2012 14:48
Naphthalene	ND	U	29.7	344	ug/Kg	1	08/7/2012 14:48

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Results of **SB-2**

Client Sample ID: **SB-2**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468002-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 15:20
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.50

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	19.8	344	ug/Kg	1	08/7/2012 14:48
Nitrobenzene	ND	U	19.8	344	ug/Kg	1	08/7/2012 14:48
Phenanthrene	ND	U	22.6	344	ug/Kg	1	08/7/2012 14:48
Pyrene	ND	U	14.5	344	ug/Kg	1	08/7/2012 14:48
n-Nitrosodi-n-propylamine	ND	U	98.5	344	ug/Kg	1	08/7/2012 14:48
Surrogates							
2-Fluorobiphenyl	87.0			48.0-123	%	1	08/7/2012 14:48
Nitrobenzene-d5	91.0			46.0-117	%	1	08/7/2012 14:48
Terphenyl-d14	95.0			44.0-140	%	1	08/7/2012 14:48

Batch Information

Analytical Batch: **XMS1627**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/07/2012 14:48**

Prep Batch: **XXX2893**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/06/2012 16:36**
Prep Initial Wt./Vol.: **34.03 g**
Prep Extract Vol: **10 mL**

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of SB-2

Client Sample ID: **SB-2**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468002-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 15:20
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.50

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Chromium	**9.89**		0.159	1.10	mg/kg	1	08/15/2012 14:17

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 14:17**

Prep Batch: **MXX2229**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/13/2012 08:30**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

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Results of **SB-3**

Client Sample ID: **SB-3**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468003-C
Lab Project ID: 31202468

Collection Date: 08/03/2012 09:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.50

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	3.81	36.6	ug/Kg	50	08/8/2012 14:43
1,1,1-Trichloroethane	ND	U	4.50	36.6	ug/Kg	50	08/8/2012 14:43
1,1,2,2-Tetrachloroethane	ND	U	5.71	36.6	ug/Kg	50	08/8/2012 14:43
1,1,2-Trichloroethane	ND	U	4.61	36.6	ug/Kg	50	08/8/2012 14:43
1,1-Dichloroethane	ND	U	6.04	36.6	ug/Kg	50	08/8/2012 14:43
1,1-Dichloroethene	ND	U	7.76	36.6	ug/Kg	50	08/8/2012 14:43
1,1-Dichloropropene	ND	U	3.16	36.6	ug/Kg	50	08/8/2012 14:43
1,2,3-Trichlorobenzene	ND	U	4.03	36.6	ug/Kg	50	08/8/2012 14:43
1,2,3-Trichloropropane	ND	U	7.76	36.6	ug/Kg	50	08/8/2012 14:43
1,2,4-Trichlorobenzene	ND	U	3.34	36.6	ug/Kg	50	08/8/2012 14:43
1,2,4-Trimethylbenzene	**30.4**	J	3.52	36.6	ug/Kg	50	08/8/2012 14:43
1,2-Dibromo-3-chloropropane	ND	U	27.4	183	ug/Kg	50	08/8/2012 14:43
1,2-Dibromoethane	ND	U	4.39	36.6	ug/Kg	50	08/8/2012 14:43
1,2-Dichlorobenzene	ND	U	5.02	36.6	ug/Kg	50	08/8/2012 14:43
1,2-Dichloroethane	ND	U	6.12	36.6	ug/Kg	50	08/8/2012 14:43
1,2-Dichloropropane	ND	U	5.97	36.6	ug/Kg	50	08/8/2012 14:43
1,3,5-Trimethylbenzene	**18.3**	J	4.14	36.6	ug/Kg	50	08/8/2012 14:43
1,3-Dichlorobenzene	ND	U	3.77	36.6	ug/Kg	50	08/8/2012 14:43
1,3-Dichloropropane	ND	U	4.76	36.6	ug/Kg	50	08/8/2012 14:43
1,4-Dichlorobenzene	ND	U	4.76	36.6	ug/Kg	50	08/8/2012 14:43
2,2-Dichloropropane	ND	U	14.4	36.6	ug/Kg	50	08/8/2012 14:43
2-Butanone	ND	U	26.5	915	ug/Kg	50	08/8/2012 14:43
2-Chlorotoluene	ND	U	4.14	36.6	ug/Kg	50	08/8/2012 14:43
2-Hexanone	ND	U	26.7	183	ug/Kg	50	08/8/2012 14:43
4-Chlorotoluene	ND	U	4.58	36.6	ug/Kg	50	08/8/2012 14:43
4-Isopropyltoluene	**20.1**	J	2.82	36.6	ug/Kg	50	08/8/2012 14:43
4-Methyl-2-pentanone	ND	U	20.4	183	ug/Kg	50	08/8/2012 14:43
Acetone	ND	U	31.6	915	ug/Kg	50	08/8/2012 14:43
Benzene	ND	U	4.14	36.6	ug/Kg	50	08/8/2012 14:43
Bromobenzene	ND	U	4.03	36.6	ug/Kg	50	08/8/2012 14:43
Bromochloromethane	ND	U	7.73	36.6	ug/Kg	50	08/8/2012 14:43
Bromodichloromethane	ND	U	4.03	36.6	ug/Kg	50	08/8/2012 14:43
Bromoform	ND	U	3.57	36.6	ug/Kg	50	08/8/2012 14:43
Bromomethane	ND	U	8.68	36.6	ug/Kg	50	08/8/2012 14:43
n-Butylbenzene	ND	U	2.82	36.6	ug/Kg	50	08/8/2012 14:43
Carbon disulfide	ND	U	3.88	36.6	ug/Kg	50	08/8/2012 14:43
Carbon tetrachloride	ND	U	3.70	36.6	ug/Kg	50	08/8/2012 14:43
Chlorobenzene	ND	U	4.25	36.6	ug/Kg	50	08/8/2012 14:43
Chloroethane	ND	U	11.4	36.6	ug/Kg	50	08/8/2012 14:43
Chloroform	ND	U	5.09	36.6	ug/Kg	50	08/8/2012 14:43
Chloromethane	ND	U	16.4	36.6	ug/Kg	50	08/8/2012 14:43
Dibromochloromethane	ND	U	4.91	36.6	ug/Kg	50	08/8/2012 14:43
Dibromomethane	ND	U	6.15	36.6	ug/Kg	50	08/8/2012 14:43
Dichlorodifluoromethane	ND	U	6.26	183	ug/Kg	50	08/8/2012 14:43

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Results of SB-3

Client Sample ID: **SB-3**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468003-C
Lab Project ID: 31202468

Collection Date: 08/03/2012 09:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.50

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	2.81	36.6	ug/Kg	50	08/8/2012 14:43
trans-1,3-Dichloropropene	ND	U	3.16	36.6	ug/Kg	50	08/8/2012 14:43
Diisopropyl Ether	ND	U	10.8	36.6	ug/Kg	50	08/8/2012 14:43
Ethyl Benzene	ND	U	3.21	36.6	ug/Kg	50	08/8/2012 14:43
Hexachlorobutadiene	ND	U	2.90	36.6	ug/Kg	50	08/8/2012 14:43
Isopropylbenzene (Cumene)	**9.89**	J	3.18	36.6	ug/Kg	50	08/8/2012 14:43
Methyl iodide	ND	U	4.21	36.6	ug/Kg	50	08/8/2012 14:43
Methylene chloride	ND	U	5.57	183	ug/Kg	50	08/8/2012 14:43
Naphthalene	**12.1**	J	3.13	36.6	ug/Kg	50	08/8/2012 14:43
Styrene	ND	U	3.74	36.6	ug/Kg	50	08/8/2012 14:43
Tetrachloroethene	ND	U	5.68	36.6	ug/Kg	50	08/8/2012 14:43
Toluene	ND	U	4.87	36.6	ug/Kg	50	08/8/2012 14:43
Trichloroethene	ND	U	4.58	36.6	ug/Kg	50	08/8/2012 14:43
Trichlorofluoromethane	ND	U	5.02	36.6	ug/Kg	50	08/8/2012 14:43
Vinyl chloride	ND	U	4.54	36.6	ug/Kg	50	08/8/2012 14:43
Xylene (total)	ND	U	6.66	73.2	ug/Kg	50	08/8/2012 14:43
cis-1,2-Dichloroethene	**17.9**	J	4.98	36.6	ug/Kg	50	08/8/2012 14:43
m,p-Xylene	ND	U	6.66	73.2	ug/Kg	50	08/8/2012 14:43
n-Propylbenzene	**13.2**	J	4.14	36.6	ug/Kg	50	08/8/2012 14:43
o-Xylene	ND	U	3.20	36.6	ug/Kg	50	08/8/2012 14:43
sec-Butylbenzene	ND	U	4.10	36.6	ug/Kg	50	08/8/2012 14:43
tert-Butyl methyl ether (MTBE)	ND	U	5.27	36.6	ug/Kg	50	08/8/2012 14:43
tert-Butylbenzene	ND	U	3.13	36.6	ug/Kg	50	08/8/2012 14:43
trans-1,2-Dichloroethene	ND	U	8.17	36.6	ug/Kg	50	08/8/2012 14:43
trans-1,4-Dichloro-2-butene	ND	U	15.2	183	ug/Kg	50	08/8/2012 14:43
Surrogates							
1,2-Dichloroethane-d4	99.0			55.0-173	%	50	08/8/2012 14:43
4-Bromofluorobenzene	99.0			23.0-141	%	50	08/8/2012 14:43
Toluene d8	103			57.0-134	%	50	08/8/2012 14:43

Batch Information

Analytical Batch: **VMS2457**
Analytical Method: **SW-846 8260B**
Instrument: **MSD3**
Analyst: **BWS**
Analytical Date/Time: **08/08/2012 14:43**

Prep Batch: **VXX3785**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **08/08/2012 13:19**
Prep Initial Wt./Vol.: **7.89 g**
Prep Extract Vol: **5 mL**

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of **SB-3**

Client Sample ID: **SB-3**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468003-D
Lab Project ID: 31202468

Collection Date: 08/03/2012 09:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.50

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	27.8	316	ug/Kg	1	08/7/2012 15:10
1,2-Dichlorobenzene	ND	U	15.7	316	ug/Kg	1	08/7/2012 15:10
1,3-Dichlorobenzene	ND	U	21.3	316	ug/Kg	1	08/7/2012 15:10
1,4-Dichlorobenzene	ND	U	22.3	316	ug/Kg	1	08/7/2012 15:10
2,4-Dinitrotoluene	ND	U	15.9	316	ug/Kg	1	08/7/2012 15:10
2,6-Dinitrotoluene	ND	U	22.6	316	ug/Kg	1	08/7/2012 15:10
2-Chloronaphthalene	ND	U	18.6	316	ug/Kg	1	08/7/2012 15:10
2-Methylnaphthalene	ND	U	25.5	316	ug/Kg	1	08/7/2012 15:10
2-Nitroaniline	ND	U	20.8	316	ug/Kg	1	08/7/2012 15:10
3,3'-Dichlorobenzidine	ND	U	15.1	316	ug/Kg	1	08/7/2012 15:10
3-Nitroaniline	ND	U	14.2	316	ug/Kg	1	08/7/2012 15:10
4-Chloroaniline	ND	U	25.2	316	ug/Kg	1	08/7/2012 15:10
4-Chlorophenyl phenyl ether	ND	U	33.7	316	ug/Kg	1	08/7/2012 15:10
Acenaphthene	ND	U	14.3	316	ug/Kg	1	08/7/2012 15:10
Acenaphthylene	ND	U	13.3	316	ug/Kg	1	08/7/2012 15:10
Anthracene	ND	U	14.0	316	ug/Kg	1	08/7/2012 15:10
Benzo(a)anthracene	ND	U	17.3	316	ug/Kg	1	08/7/2012 15:10
Benzo(a)pyrene	ND	U	17.9	316	ug/Kg	1	08/7/2012 15:10
Benzo(b)fluoranthene	ND	U	18.2	316	ug/Kg	1	08/7/2012 15:10
Benzo(g,h,i)perylene	ND	U	50.2	316	ug/Kg	1	08/7/2012 15:10
Benzo(k)fluoranthene	ND	U	37.8	316	ug/Kg	1	08/7/2012 15:10
Bis(2-Chloroethoxy)methane	ND	U	14.2	316	ug/Kg	1	08/7/2012 15:10
Bis(2-Chloroethyl)ether	ND	U	29.4	316	ug/Kg	1	08/7/2012 15:10
Bis(2-Chloroisopropyl)ether	ND	U	27.5	316	ug/Kg	1	08/7/2012 15:10
Bis(2-Ethylhexyl)phthalate	ND	U	15.1	316	ug/Kg	1	08/7/2012 15:10
4-Bromophenyl phenyl ether	ND	U	20.8	316	ug/Kg	1	08/7/2012 15:10
Butyl benzyl phthalate	ND	U	27.4	316	ug/Kg	1	08/7/2012 15:10
Chrysene	ND	U	36.7	316	ug/Kg	1	08/7/2012 15:10
Di-n-butyl phthalate	ND	U	14.9	316	ug/Kg	1	08/7/2012 15:10
Di-n-octyl phthalate	ND	U	17.4	316	ug/Kg	1	08/7/2012 15:10
Dibenz(a,h)anthracene	ND	U	14.2	316	ug/Kg	1	08/7/2012 15:10
Dibenzofuran	ND	U	24.7	316	ug/Kg	1	08/7/2012 15:10
Diethyl phthalate	ND	U	17.0	316	ug/Kg	1	08/7/2012 15:10
Dimethyl phthalate	ND	U	24.2	316	ug/Kg	1	08/7/2012 15:10
Diphenylamine	ND	U	14.2	316	ug/Kg	1	08/7/2012 15:10
Fluoranthene	ND	U	29.7	316	ug/Kg	1	08/7/2012 15:10
Fluorene	ND	U	16.7	316	ug/Kg	1	08/7/2012 15:10
Hexachlorobenzene	ND	U	29.9	316	ug/Kg	1	08/7/2012 15:10
Hexachlorobutadiene	ND	U	18.9	316	ug/Kg	1	08/7/2012 15:10
Hexachlorocyclopentadiene	ND	U	95.5	316	ug/Kg	1	08/7/2012 15:10
Hexachloroethane	ND	U	18.2	316	ug/Kg	1	08/7/2012 15:10
Indeno(1,2,3-cd)pyrene	ND	U	24.6	316	ug/Kg	1	08/7/2012 15:10
Isophorone	ND	U	14.3	316	ug/Kg	1	08/7/2012 15:10
Naphthalene	ND	U	27.2	316	ug/Kg	1	08/7/2012 15:10

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of SB-3

Client Sample ID: **SB-3**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468003-D
Lab Project ID: 31202468

Collection Date: 08/03/2012 09:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.50

Results by SW-846 8270D

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	18.2	316	ug/Kg	1	08/7/2012 15:10
Nitrobenzene	ND	U	18.2	316	ug/Kg	1	08/7/2012 15:10
Phenanthrene	ND	U	20.8	316	ug/Kg	1	08/7/2012 15:10
Pyrene	ND	U	13.3	316	ug/Kg	1	08/7/2012 15:10
n-Nitrosodi-n-propylamine	ND	U	90.4	316	ug/Kg	1	08/7/2012 15:10
Surrogates							
2-Fluorobiphenyl	84.0			48.0-123	%	1	08/7/2012 15:10
Nitrobenzene-d5	84.0			46.0-117	%	1	08/7/2012 15:10
Terphenyl-d14	94.0			44.0-140	%	1	08/7/2012 15:10

Batch Information

Analytical Batch: **XMS1627**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/07/2012 15:10**

Prep Batch: **XXX2893**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/06/2012 16:36**
Prep Initial Wt./Vol.: **36.67 g**
Prep Extract Vol: **10 mL**

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SGS ANALYTICAL PERSPECTIVES

Results of SB-3

Client Sample ID: **SB-3**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468003-D
Lab Project ID: 31202468

Collection Date: 08/03/2012 09:04
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.50

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Chromium	**12.1**		0.143	0.996	mg/kg	1	08/15/2012 14:22

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 14:22**

Prep Batch: **MXX2229**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/13/2012 08:30**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of **SB-4**

Client Sample ID: **SB-4**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468004-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:35
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.10

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.596	4.20	ug/Kg	1	08/7/2012 13:29
1,1,1-Trichloroethane	ND	U	0.634	4.20	ug/Kg	1	08/7/2012 13:29
1,1,2,2-Tetrachloroethane	ND	U	0.984	4.20	ug/Kg	1	08/7/2012 13:29
1,1,2-Trichloroethane	ND	U	0.874	4.20	ug/Kg	1	08/7/2012 13:29
1,1-Dichloroethane	ND	U	0.452	4.20	ug/Kg	1	08/7/2012 13:29
1,1-Dichloroethene	ND	U	0.975	4.20	ug/Kg	1	08/7/2012 13:29
1,1-Dichloropropene	ND	U	0.568	4.20	ug/Kg	1	08/7/2012 13:29
1,2,3-Trichlorobenzene	ND	U	0.700	4.20	ug/Kg	1	08/7/2012 13:29
1,2,3-Trichloropropane	ND	U	0.866	4.20	ug/Kg	1	08/7/2012 13:29
1,2,4-Trichlorobenzene	ND	U	0.613	4.20	ug/Kg	1	08/7/2012 13:29
1,2,4-Trimethylbenzene	**7.05**		0.536	4.20	ug/Kg	1	08/7/2012 13:29
1,2-Dibromo-3-chloropropane	ND	U	6.23	25.2	ug/Kg	1	08/7/2012 13:29
1,2-Dibromoethane	ND	U	1.10	4.20	ug/Kg	1	08/7/2012 13:29
1,2-Dichlorobenzene	ND	U	0.598	4.20	ug/Kg	1	08/7/2012 13:29
1,2-Dichloroethane	ND	U	0.768	4.20	ug/Kg	1	08/7/2012 13:29
1,2-Dichloropropane	ND	U	0.967	4.20	ug/Kg	1	08/7/2012 13:29
1,3,5-Trimethylbenzene	**1.72**	J	0.511	4.20	ug/Kg	1	08/7/2012 13:29
1,3-Dichlorobenzene	ND	U	0.605	4.20	ug/Kg	1	08/7/2012 13:29
1,3-Dichloropropane	ND	U	0.739	4.20	ug/Kg	1	08/7/2012 13:29
1,4-Dichlorobenzene	ND	U	0.568	4.20	ug/Kg	1	08/7/2012 13:29
2,2-Dichloropropane	ND	U	0.620	4.20	ug/Kg	1	08/7/2012 13:29
2-Butanone	**10.1**	J	2.84	21.0	ug/Kg	1	08/7/2012 13:29
2-Chlorotoluene	ND	U	0.788	4.20	ug/Kg	1	08/7/2012 13:29
2-Hexanone	ND	U	2.71	10.5	ug/Kg	1	08/7/2012 13:29
4-Chlorotoluene	ND	U	0.636	4.20	ug/Kg	1	08/7/2012 13:29
4-Isopropyltoluene	ND	U	0.542	4.20	ug/Kg	1	08/7/2012 13:29
4-Methyl-2-pentanone	ND	U	3.14	10.5	ug/Kg	1	08/7/2012 13:29
Acetone	**84.9**		3.37	42.0	ug/Kg	1	08/7/2012 13:29
Benzene	**10.8**		0.598	4.20	ug/Kg	1	08/7/2012 13:29
Bromobenzene	ND	U	0.586	4.20	ug/Kg	1	08/7/2012 13:29
Bromochloromethane	ND	U	0.790	4.20	ug/Kg	1	08/7/2012 13:29
Bromodichloromethane	ND	U	0.592	4.20	ug/Kg	1	08/7/2012 13:29
Bromoform	ND	U	0.609	4.20	ug/Kg	1	08/7/2012 13:29
Bromomethane	ND	U	1.22	4.20	ug/Kg	1	08/7/2012 13:29
n-Butylbenzene	ND	U	0.552	4.20	ug/Kg	1	08/7/2012 13:29
Carbon disulfide	ND	U	0.440	4.20	ug/Kg	1	08/7/2012 13:29
Carbon tetrachloride	ND	U	0.478	4.20	ug/Kg	1	08/7/2012 13:29
Chlorobenzene	ND	U	0.587	4.20	ug/Kg	1	08/7/2012 13:29
Chloroethane	ND	U	0.841	4.20	ug/Kg	1	08/7/2012 13:29
Chloroform	ND	U	0.536	4.20	ug/Kg	1	08/7/2012 13:29
Chloromethane	ND	U	1.20	4.20	ug/Kg	1	08/7/2012 13:29
Dibromochloromethane	ND	U	0.933	4.20	ug/Kg	1	08/7/2012 13:29
Dibromomethane	ND	U	0.742	4.20	ug/Kg	1	08/7/2012 13:29
Dichlorodifluoromethane	ND	U	0.883	4.20	ug/Kg	1	08/7/2012 13:29

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of SB-4

Client Sample ID: **SB-4**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468004-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:35
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.10

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.866	4.20	ug/Kg	1	08/7/2012 13:29
trans-1,3-Dichloropropene	ND	U	0.794	4.20	ug/Kg	1	08/7/2012 13:29
Diisopropyl Ether	ND	U	0.690	4.20	ug/Kg	1	08/7/2012 13:29
Ethyl Benzene	**23.3**		0.593	4.20	ug/Kg	1	08/7/2012 13:29
Hexachlorobutadiene	ND	U	0.578	4.20	ug/Kg	1	08/7/2012 13:29
Isopropylbenzene (Cumene)	**1.70**	J	0.523	4.20	ug/Kg	1	08/7/2012 13:29
Methyl iodide	ND	U	0.644	4.20	ug/Kg	1	08/7/2012 13:29
Methylene chloride	**3.85**	J	0.883	16.8	ug/Kg	1	08/7/2012 13:29
Naphthalene	ND	U	0.764	4.20	ug/Kg	1	08/7/2012 13:29
Styrene	ND	U	0.484	4.20	ug/Kg	1	08/7/2012 13:29
Tetrachloroethene	ND	U	0.631	4.20	ug/Kg	1	08/7/2012 13:29
Toluene	**15.0**		0.578	4.20	ug/Kg	1	08/7/2012 13:29
Trichloroethene	ND	U	0.708	4.20	ug/Kg	1	08/7/2012 13:29
Trichlorofluoromethane	ND	U	0.849	4.20	ug/Kg	1	08/7/2012 13:29
Vinyl chloride	ND	U	0.799	4.20	ug/Kg	1	08/7/2012 13:29
Xylene (total)	**48.9**		1.49	8.41	ug/Kg	1	08/7/2012 13:29
cis-1,2-Dichloroethene	ND	U	0.514	4.20	ug/Kg	1	08/7/2012 13:29
m,p-Xylene	**34.9**		1.42	8.41	ug/Kg	1	08/7/2012 13:29
n-Propylbenzene	**5.31**		0.615	4.20	ug/Kg	1	08/7/2012 13:29
o-Xylene	**13.9**		0.644	4.20	ug/Kg	1	08/7/2012 13:29
sec-Butylbenzene	ND	U	0.504	4.20	ug/Kg	1	08/7/2012 13:29
tert-Butyl methyl ether (MTBE)	ND	U	0.668	4.20	ug/Kg	1	08/7/2012 13:29
tert-Butylbenzene	ND	U	0.566	4.20	ug/Kg	1	08/7/2012 13:29
trans-1,2-Dichloroethene	ND	U	0.614	4.20	ug/Kg	1	08/7/2012 13:29
trans-1,4-Dichloro-2-butene	ND	U	3.53	21.0	ug/Kg	1	08/7/2012 13:29
Surrogates							
1,2-Dichloroethane-d4	113			55.0-173	%	1	08/7/2012 13:29
4-Bromofluorobenzene	76.0			23.0-141	%	1	08/7/2012 13:29
Toluene d8	95.0			57.0-134	%	1	08/7/2012 13:29

Batch Information

Analytical Batch: **VMS2451**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/07/2012 13:29**

Prep Batch: **VXX3769**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/06/2012 15:25**
Prep Initial Wt./Vol.: **6.91 g**
Prep Extract Vol: **5 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **SB-4**

Client Sample ID: **SB-4**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468004-E
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:35
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.10

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	32.4	367	ug/Kg	1	08/10/2012 2:13
1,2-Dichlorobenzene	ND	U	18.3	367	ug/Kg	1	08/10/2012 2:13
1,3-Dichlorobenzene	ND	U	24.8	367	ug/Kg	1	08/10/2012 2:13
1,4-Dichlorobenzene	ND	U	25.9	367	ug/Kg	1	08/10/2012 2:13
2,4-Dinitrotoluene	ND	U	18.5	367	ug/Kg	1	08/10/2012 2:13
2,6-Dinitrotoluene	ND	U	26.3	367	ug/Kg	1	08/10/2012 2:13
2-Chloronaphthalene	ND	U	21.6	367	ug/Kg	1	08/10/2012 2:13
2-Methylnaphthalene	ND	U	29.7	367	ug/Kg	1	08/10/2012 2:13
2-Nitroaniline	ND	U	24.2	367	ug/Kg	1	08/10/2012 2:13
3,3'-Dichlorobenzidine	ND	U	17.6	367	ug/Kg	1	08/10/2012 2:13
3-Nitroaniline	ND	U	16.5	367	ug/Kg	1	08/10/2012 2:13
4-Chloroaniline	**29.3**	J	29.3	367	ug/Kg	1	08/10/2012 2:13
4-Chlorophenyl phenyl ether	ND	U	39.2	367	ug/Kg	1	08/10/2012 2:13
Acenaphthene	ND	U	16.7	367	ug/Kg	1	08/10/2012 2:13
Acenaphthylene	ND	U	15.5	367	ug/Kg	1	08/10/2012 2:13
Anthracene	ND	U	16.3	367	ug/Kg	1	08/10/2012 2:13
Benzo(a)anthracene	**117**	J	20.2	367	ug/Kg	1	08/10/2012 2:13
Benzo(a)pyrene	**143**	J	20.8	367	ug/Kg	1	08/10/2012 2:13
Benzo(b)fluoranthene	**201**	J	21.1	367	ug/Kg	1	08/10/2012 2:13
Benzo(g,h,i)perylene	**106**	J	58.4	367	ug/Kg	1	08/10/2012 2:13
Benzo(k)fluoranthene	**84.2**	J	44.0	367	ug/Kg	1	08/10/2012 2:13
Bis(2-Chloroethoxy)methane	ND	U	16.5	367	ug/Kg	1	08/10/2012 2:13
Bis(2-Chloroethyl)ether	ND	U	34.3	367	ug/Kg	1	08/10/2012 2:13
Bis(2-Chloroisopropyl)ether	ND	U	32.0	367	ug/Kg	1	08/10/2012 2:13
Bis(2-Ethylhexyl)phthalate	ND	U	17.6	367	ug/Kg	1	08/10/2012 2:13
4-Bromophenyl phenyl ether	ND	U	24.2	367	ug/Kg	1	08/10/2012 2:13
Butyl benzyl phthalate	ND	U	31.9	367	ug/Kg	1	08/10/2012 2:13
Chrysene	**168**	J	42.7	367	ug/Kg	1	08/10/2012 2:13
Di-n-butyl phthalate	ND	U	17.4	367	ug/Kg	1	08/10/2012 2:13
Di-n-octyl phthalate	ND	U	20.3	367	ug/Kg	1	08/10/2012 2:13
Dibenz(a,h)anthracene	ND	U	16.5	367	ug/Kg	1	08/10/2012 2:13
Dibenzofuran	ND	U	28.7	367	ug/Kg	1	08/10/2012 2:13
Diethyl phthalate	ND	U	19.8	367	ug/Kg	1	08/10/2012 2:13
Dimethyl phthalate	ND	U	28.2	367	ug/Kg	1	08/10/2012 2:13
Diphenylamine	ND	U	16.5	367	ug/Kg	1	08/10/2012 2:13
Fluoranthene	**223**	J	34.5	367	ug/Kg	1	08/10/2012 2:13
Fluorene	ND	U	19.5	367	ug/Kg	1	08/10/2012 2:13
Hexachlorobenzene	ND	U	34.7	367	ug/Kg	1	08/10/2012 2:13
Hexachlorobutadiene	ND	U	21.9	367	ug/Kg	1	08/10/2012 2:13
Hexachlorocyclopentadiene	ND	U	111	367	ug/Kg	1	08/10/2012 2:13
Hexachloroethane	ND	U	21.1	367	ug/Kg	1	08/10/2012 2:13
Indeno(1,2,3-cd)pyrene	**87.9**	J	28.6	367	ug/Kg	1	08/10/2012 2:13
Isophorone	ND	U	16.7	367	ug/Kg	1	08/10/2012 2:13
Naphthalene	ND	U	31.7	367	ug/Kg	1	08/10/2012 2:13

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **SB-4**

Client Sample ID: **SB-4**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468004-E
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:35
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.10

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	21.1	367	ug/Kg	1	08/10/2012 2:13
Nitrobenzene	ND	U	21.1	367	ug/Kg	1	08/10/2012 2:13
Phenanthrene	**54.9**	J	24.2	367	ug/Kg	1	08/10/2012 2:13
Pyrene	**187**	J	15.5	367	ug/Kg	1	08/10/2012 2:13
n-Nitrosodi-n-propylamine	ND	U	105	367	ug/Kg	1	08/10/2012 2:13
Surrogates							
2-Fluorobiphenyl	85.0			48.0-123	%	1	08/10/2012 2:13
Nitrobenzene-d5	91.0			46.0-117	%	1	08/10/2012 2:13
Terphenyl-d14	95.0			44.0-140	%	1	08/10/2012 2:13

Batch Information

Analytical Batch: **XMS1630**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/10/2012 02:13**

Prep Batch: **XXX2893**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/06/2012 16:36**
Prep Initial Wt./Vol.: **31.69 g**
Prep Extract Vol: **10 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of SB-4

Client Sample ID: **SB-4**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468004-E
Lab Project ID: 31202468

Collection Date: 08/03/2012 08:35
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.10

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Chromium	**9.14**		0.152	1.06	mg/kg	1	08/15/2012 14:27

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 14:27**

Prep Batch: **MXX2229**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/13/2012 08:30**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of **SB-5**

Client Sample ID: **SB-5**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468005-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 13:30
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.30

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.605	4.27	ug/Kg	1	08/6/2012 16:59
1,1,1-Trichloroethane	ND	U	0.643	4.27	ug/Kg	1	08/6/2012 16:59
1,1,2,2-Tetrachloroethane	ND	U	0.998	4.27	ug/Kg	1	08/6/2012 16:59
1,1,2-Trichloroethane	ND	U	0.887	4.27	ug/Kg	1	08/6/2012 16:59
1,1-Dichloroethane	ND	U	0.459	4.27	ug/Kg	1	08/6/2012 16:59
1,1-Dichloroethene	ND	U	0.989	4.27	ug/Kg	1	08/6/2012 16:59
1,1-Dichloropropene	ND	U	0.577	4.27	ug/Kg	1	08/6/2012 16:59
1,2,3-Trichlorobenzene	ND	U	0.710	4.27	ug/Kg	1	08/6/2012 16:59
1,2,3-Trichloropropane	ND	U	0.879	4.27	ug/Kg	1	08/6/2012 16:59
1,2,4-Trichlorobenzene	ND	U	0.622	4.27	ug/Kg	1	08/6/2012 16:59
1,2,4-Trimethylbenzene	ND	U	0.543	4.27	ug/Kg	1	08/6/2012 16:59
1,2-Dibromo-3-chloropropane	ND	U	6.32	25.6	ug/Kg	1	08/6/2012 16:59
1,2-Dibromoethane	ND	U	1.12	4.27	ug/Kg	1	08/6/2012 16:59
1,2-Dichlorobenzene	ND	U	0.606	4.27	ug/Kg	1	08/6/2012 16:59
1,2-Dichloroethane	ND	U	0.779	4.27	ug/Kg	1	08/6/2012 16:59
1,2-Dichloropropane	ND	U	0.981	4.27	ug/Kg	1	08/6/2012 16:59
1,3,5-Trimethylbenzene	ND	U	0.519	4.27	ug/Kg	1	08/6/2012 16:59
1,3-Dichlorobenzene	ND	U	0.613	4.27	ug/Kg	1	08/6/2012 16:59
1,3-Dichloropropane	ND	U	0.750	4.27	ug/Kg	1	08/6/2012 16:59
1,4-Dichlorobenzene	ND	U	0.576	4.27	ug/Kg	1	08/6/2012 16:59
2,2-Dichloropropane	ND	U	0.630	4.27	ug/Kg	1	08/6/2012 16:59
2-Butanone	ND	U	2.88	21.3	ug/Kg	1	08/6/2012 16:59
2-Chlorotoluene	ND	U	0.799	4.27	ug/Kg	1	08/6/2012 16:59
2-Hexanone	ND	U	2.75	10.7	ug/Kg	1	08/6/2012 16:59
4-Chlorotoluene	ND	U	0.645	4.27	ug/Kg	1	08/6/2012 16:59
4-Isopropyltoluene	ND	U	0.550	4.27	ug/Kg	1	08/6/2012 16:59
4-Methyl-2-pentanone	ND	U	3.19	10.7	ug/Kg	1	08/6/2012 16:59
Acetone	**55.7**		3.42	42.7	ug/Kg	1	08/6/2012 16:59
Benzene	ND	U	0.606	4.27	ug/Kg	1	08/6/2012 16:59
Bromobenzene	ND	U	0.595	4.27	ug/Kg	1	08/6/2012 16:59
Bromochloromethane	ND	U	0.802	4.27	ug/Kg	1	08/6/2012 16:59
Bromodichloromethane	ND	U	0.601	4.27	ug/Kg	1	08/6/2012 16:59
Bromoform	ND	U	0.618	4.27	ug/Kg	1	08/6/2012 16:59
Bromomethane	ND	U	1.24	4.27	ug/Kg	1	08/6/2012 16:59
n-Butylbenzene	ND	U	0.560	4.27	ug/Kg	1	08/6/2012 16:59
Carbon disulfide	ND	U	0.446	4.27	ug/Kg	1	08/6/2012 16:59
Carbon tetrachloride	ND	U	0.485	4.27	ug/Kg	1	08/6/2012 16:59
Chlorobenzene	ND	U	0.595	4.27	ug/Kg	1	08/6/2012 16:59
Chloroethane	ND	U	0.853	4.27	ug/Kg	1	08/6/2012 16:59
Chloroform	ND	U	0.543	4.27	ug/Kg	1	08/6/2012 16:59
Chloromethane	ND	U	1.22	4.27	ug/Kg	1	08/6/2012 16:59
Dibromochloromethane	ND	U	0.947	4.27	ug/Kg	1	08/6/2012 16:59
Dibromomethane	ND	U	0.752	4.27	ug/Kg	1	08/6/2012 16:59
Dichlorodifluoromethane	ND	U	0.896	4.27	ug/Kg	1	08/6/2012 16:59

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Results of **SB-5**

Client Sample ID: **SB-5**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468005-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 13:30
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.30

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.879	4.27	ug/Kg	1	08/6/2012 16:59
trans-1,3-Dichloropropene	ND	U	0.805	4.27	ug/Kg	1	08/6/2012 16:59
Diisopropyl Ether	ND	U	0.700	4.27	ug/Kg	1	08/6/2012 16:59
Ethyl Benzene	ND	U	0.601	4.27	ug/Kg	1	08/6/2012 16:59
Hexachlorobutadiene	ND	U	0.586	4.27	ug/Kg	1	08/6/2012 16:59
Isopropylbenzene (Cumene)	ND	U	0.531	4.27	ug/Kg	1	08/6/2012 16:59
Methyl iodide	ND	U	0.653	4.27	ug/Kg	1	08/6/2012 16:59
Methylene chloride	**2.66**	J	0.896	17.1	ug/Kg	1	08/6/2012 16:59
Naphthalene	ND	U	0.775	4.27	ug/Kg	1	08/6/2012 16:59
Styrene	ND	U	0.491	4.27	ug/Kg	1	08/6/2012 16:59
Tetrachloroethene	ND	U	0.641	4.27	ug/Kg	1	08/6/2012 16:59
Toluene	ND	U	0.587	4.27	ug/Kg	1	08/6/2012 16:59
Trichloroethene	ND	U	0.718	4.27	ug/Kg	1	08/6/2012 16:59
Trichlorofluoromethane	ND	U	0.862	4.27	ug/Kg	1	08/6/2012 16:59
Vinyl chloride	ND	U	0.810	4.27	ug/Kg	1	08/6/2012 16:59
Xylene (total)	ND	U	1.51	8.53	ug/Kg	1	08/6/2012 16:59
cis-1,2-Dichloroethene	ND	U	0.521	4.27	ug/Kg	1	08/6/2012 16:59
m,p-Xylene	ND	U	1.44	8.53	ug/Kg	1	08/6/2012 16:59
n-Propylbenzene	ND	U	0.624	4.27	ug/Kg	1	08/6/2012 16:59
o-Xylene	ND	U	0.653	4.27	ug/Kg	1	08/6/2012 16:59
sec-Butylbenzene	ND	U	0.512	4.27	ug/Kg	1	08/6/2012 16:59
tert-Butyl methyl ether (MTBE)	ND	U	0.678	4.27	ug/Kg	1	08/6/2012 16:59
tert-Butylbenzene	ND	U	0.574	4.27	ug/Kg	1	08/6/2012 16:59
trans-1,2-Dichloroethene	ND	U	0.623	4.27	ug/Kg	1	08/6/2012 16:59
trans-1,4-Dichloro-2-butene	ND	U	3.58	21.3	ug/Kg	1	08/6/2012 16:59
Surrogates							
1,2-Dichloroethane-d4	118			55.0-173	%	1	08/6/2012 16:59
4-Bromofluorobenzene	93.0			23.0-141	%	1	08/6/2012 16:59
Toluene d8	102			57.0-134	%	1	08/6/2012 16:59

Batch Information

Analytical Batch: **VMS2446**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/06/2012 16:59**

Prep Batch: **VXX3763**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/06/2012 15:27**
Prep Initial Wt./Vol.: **6.95 g**
Prep Extract Vol: **5 mL**

Print Date: 08/17/2012

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Results of **SB-5**

Client Sample ID: **SB-5**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468005-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 13:30
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.30

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	32.5	369	ug/Kg	1	08/7/2012 15:33
1,2-Dichlorobenzene	ND	U	18.4	369	ug/Kg	1	08/7/2012 15:33
1,3-Dichlorobenzene	ND	U	24.9	369	ug/Kg	1	08/7/2012 15:33
1,4-Dichlorobenzene	ND	U	26.0	369	ug/Kg	1	08/7/2012 15:33
2,4-Dinitrotoluene	ND	U	18.6	369	ug/Kg	1	08/7/2012 15:33
2,6-Dinitrotoluene	ND	U	26.4	369	ug/Kg	1	08/7/2012 15:33
2-Chloronaphthalene	ND	U	21.7	369	ug/Kg	1	08/7/2012 15:33
2-Methylnaphthalene	ND	U	29.8	369	ug/Kg	1	08/7/2012 15:33
2-Nitroaniline	ND	U	24.3	369	ug/Kg	1	08/7/2012 15:33
3,3'-Dichlorobenzidine	ND	U	17.7	369	ug/Kg	1	08/7/2012 15:33
3-Nitroaniline	ND	U	16.6	369	ug/Kg	1	08/7/2012 15:33
4-Chloroaniline	ND	U	29.5	369	ug/Kg	1	08/7/2012 15:33
4-Chlorophenyl phenyl ether	ND	U	39.4	369	ug/Kg	1	08/7/2012 15:33
Acenaphthene	ND	U	16.7	369	ug/Kg	1	08/7/2012 15:33
Acenaphthylene	ND	U	15.6	369	ug/Kg	1	08/7/2012 15:33
Anthracene	ND	U	16.4	369	ug/Kg	1	08/7/2012 15:33
Benzo(a)anthracene	ND	U	20.3	369	ug/Kg	1	08/7/2012 15:33
Benzo(a)pyrene	ND	U	20.9	369	ug/Kg	1	08/7/2012 15:33
Benzo(b)fluoranthene	ND	U	21.2	369	ug/Kg	1	08/7/2012 15:33
Benzo(g,h,i)perylene	ND	U	58.7	369	ug/Kg	1	08/7/2012 15:33
Benzo(k)fluoranthene	ND	U	44.2	369	ug/Kg	1	08/7/2012 15:33
Bis(2-Chloroethoxy)methane	ND	U	16.6	369	ug/Kg	1	08/7/2012 15:33
Bis(2-Chloroethyl)ether	ND	U	34.4	369	ug/Kg	1	08/7/2012 15:33
Bis(2-Chloroisopropyl)ether	ND	U	32.2	369	ug/Kg	1	08/7/2012 15:33
Bis(2-Ethylhexyl)phthalate	ND	U	17.7	369	ug/Kg	1	08/7/2012 15:33
4-Bromophenyl phenyl ether	ND	U	24.3	369	ug/Kg	1	08/7/2012 15:33
Butyl benzyl phthalate	ND	U	32.1	369	ug/Kg	1	08/7/2012 15:33
Chrysene	ND	U	42.9	369	ug/Kg	1	08/7/2012 15:33
Di-n-butyl phthalate	ND	U	17.4	369	ug/Kg	1	08/7/2012 15:33
Di-n-octyl phthalate	ND	U	20.4	369	ug/Kg	1	08/7/2012 15:33
Dibenz(a,h)anthracene	ND	U	16.6	369	ug/Kg	1	08/7/2012 15:33
Dibenzofuran	ND	U	28.9	369	ug/Kg	1	08/7/2012 15:33
Diethyl phthalate	ND	U	19.9	369	ug/Kg	1	08/7/2012 15:33
Dimethyl phthalate	ND	U	28.3	369	ug/Kg	1	08/7/2012 15:33
Diphenylamine	ND	U	16.6	369	ug/Kg	1	08/7/2012 15:33
Fluoranthene	ND	U	34.6	369	ug/Kg	1	08/7/2012 15:33
Fluorene	ND	U	19.6	369	ug/Kg	1	08/7/2012 15:33
Hexachlorobenzene	ND	U	34.9	369	ug/Kg	1	08/7/2012 15:33
Hexachlorobutadiene	ND	U	22.0	369	ug/Kg	1	08/7/2012 15:33
Hexachlorocyclopentadiene	ND	U	112	369	ug/Kg	1	08/7/2012 15:33
Hexachloroethane	ND	U	21.2	369	ug/Kg	1	08/7/2012 15:33
Indeno(1,2,3-cd)pyrene	ND	U	28.8	369	ug/Kg	1	08/7/2012 15:33
Isophorone	ND	U	16.7	369	ug/Kg	1	08/7/2012 15:33
Naphthalene	ND	U	31.8	369	ug/Kg	1	08/7/2012 15:33

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Results of SB-5

Client Sample ID: **SB-5**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468005-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 13:30
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.30

Results by SW-846 8270D

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	21.2	369	ug/Kg	1	08/7/2012 15:33
Nitrobenzene	ND	U	21.2	369	ug/Kg	1	08/7/2012 15:33
Phenanthrene	ND	U	24.3	369	ug/Kg	1	08/7/2012 15:33
Pyrene	ND	U	15.6	369	ug/Kg	1	08/7/2012 15:33
n-Nitrosodi-n-propylamine	ND	U	106	369	ug/Kg	1	08/7/2012 15:33
Surrogates							
2-Fluorobiphenyl	90.0			48.0-123	%	1	08/7/2012 15:33
Nitrobenzene-d5	91.0			46.0-117	%	1	08/7/2012 15:33
Terphenyl-d14	95.0			44.0-140	%	1	08/7/2012 15:33

Batch Information

Analytical Batch: **XMS1627**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/07/2012 15:33**

Prep Batch: **XXX2893**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/06/2012 16:36**
Prep Initial Wt./Vol.: **32.2 g**
Prep Extract Vol: **10 mL**

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of SB-5

Client Sample ID: **SB-5**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468005-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 13:30
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 84.30

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Chromium	**7.51**		0.152	1.06	mg/kg	1	08/15/2012 14:33

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 14:33**

Prep Batch: **MXX2229**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/13/2012 08:30**
Prep Initial Wt./Vol.: **.56 g**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of **SB-6**

Client Sample ID: **SB-6**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468006-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:07
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.80

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.667	4.70	ug/Kg	1	08/6/2012 17:25
1,1,1-Trichloroethane	ND	U	0.709	4.70	ug/Kg	1	08/6/2012 17:25
1,1,2,2-Tetrachloroethane	ND	U	1.10	4.70	ug/Kg	1	08/6/2012 17:25
1,1,2-Trichloroethane	ND	U	0.978	4.70	ug/Kg	1	08/6/2012 17:25
1,1-Dichloroethane	ND	U	0.506	4.70	ug/Kg	1	08/6/2012 17:25
1,1-Dichloroethene	ND	U	1.09	4.70	ug/Kg	1	08/6/2012 17:25
1,1-Dichloropropene	ND	U	0.636	4.70	ug/Kg	1	08/6/2012 17:25
1,2,3-Trichlorobenzene	ND	U	0.782	4.70	ug/Kg	1	08/6/2012 17:25
1,2,3-Trichloropropane	ND	U	0.968	4.70	ug/Kg	1	08/6/2012 17:25
1,2,4-Trichlorobenzene	ND	U	0.685	4.70	ug/Kg	1	08/6/2012 17:25
1,2,4-Trimethylbenzene	ND	U	0.599	4.70	ug/Kg	1	08/6/2012 17:25
1,2-Dibromo-3-chloropropane	ND	U	6.97	28.2	ug/Kg	1	08/6/2012 17:25
1,2-Dibromoethane	ND	U	1.23	4.70	ug/Kg	1	08/6/2012 17:25
1,2-Dichlorobenzene	ND	U	0.668	4.70	ug/Kg	1	08/6/2012 17:25
1,2-Dichloroethane	ND	U	0.858	4.70	ug/Kg	1	08/6/2012 17:25
1,2-Dichloropropane	ND	U	1.08	4.70	ug/Kg	1	08/6/2012 17:25
1,3,5-Trimethylbenzene	ND	U	0.572	4.70	ug/Kg	1	08/6/2012 17:25
1,3-Dichlorobenzene	ND	U	0.676	4.70	ug/Kg	1	08/6/2012 17:25
1,3-Dichloropropane	ND	U	0.826	4.70	ug/Kg	1	08/6/2012 17:25
1,4-Dichlorobenzene	ND	U	0.635	4.70	ug/Kg	1	08/6/2012 17:25
2,2-Dichloropropane	ND	U	0.694	4.70	ug/Kg	1	08/6/2012 17:25
2-Butanone	ND	U	3.18	23.5	ug/Kg	1	08/6/2012 17:25
2-Chlorotoluene	ND	U	0.881	4.70	ug/Kg	1	08/6/2012 17:25
2-Hexanone	ND	U	3.03	11.8	ug/Kg	1	08/6/2012 17:25
4-Chlorotoluene	ND	U	0.711	4.70	ug/Kg	1	08/6/2012 17:25
4-Isopropyltoluene	ND	U	0.606	4.70	ug/Kg	1	08/6/2012 17:25
4-Methyl-2-pentanone	ND	U	3.52	11.8	ug/Kg	1	08/6/2012 17:25
Acetone	**75.1**		3.77	47.0	ug/Kg	1	08/6/2012 17:25
Benzene	ND	U	0.668	4.70	ug/Kg	1	08/6/2012 17:25
Bromobenzene	ND	U	0.655	4.70	ug/Kg	1	08/6/2012 17:25
Bromochloromethane	ND	U	0.884	4.70	ug/Kg	1	08/6/2012 17:25
Bromodichloromethane	ND	U	0.662	4.70	ug/Kg	1	08/6/2012 17:25
Bromoform	ND	U	0.681	4.70	ug/Kg	1	08/6/2012 17:25
Bromomethane	ND	U	1.36	4.70	ug/Kg	1	08/6/2012 17:25
n-Butylbenzene	ND	U	0.618	4.70	ug/Kg	1	08/6/2012 17:25
Carbon disulfide	ND	U	0.492	4.70	ug/Kg	1	08/6/2012 17:25
Carbon tetrachloride	ND	U	0.535	4.70	ug/Kg	1	08/6/2012 17:25
Chlorobenzene	ND	U	0.656	4.70	ug/Kg	1	08/6/2012 17:25
Chloroethane	ND	U	0.940	4.70	ug/Kg	1	08/6/2012 17:25
Chloroform	ND	U	0.599	4.70	ug/Kg	1	08/6/2012 17:25
Chloromethane	ND	U	1.34	4.70	ug/Kg	1	08/6/2012 17:25
Dibromochloromethane	ND	U	1.04	4.70	ug/Kg	1	08/6/2012 17:25
Dibromomethane	ND	U	0.829	4.70	ug/Kg	1	08/6/2012 17:25
Dichlorodifluoromethane	ND	U	0.987	4.70	ug/Kg	1	08/6/2012 17:25

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Results of SB-6

Client Sample ID: **SB-6**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468006-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:07
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.80

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.968	4.70	ug/Kg	1	08/6/2012 17:25
trans-1,3-Dichloropropene	ND	U	0.888	4.70	ug/Kg	1	08/6/2012 17:25
Diisopropyl Ether	ND	U	0.772	4.70	ug/Kg	1	08/6/2012 17:25
Ethyl Benzene	ND	U	0.663	4.70	ug/Kg	1	08/6/2012 17:25
Hexachlorobutadiene	ND	U	0.646	4.70	ug/Kg	1	08/6/2012 17:25
Isopropylbenzene (Cumene)	ND	U	0.585	4.70	ug/Kg	1	08/6/2012 17:25
Methyl iodide	ND	U	0.720	4.70	ug/Kg	1	08/6/2012 17:25
Methylene chloride	**2.40**	J	0.987	18.8	ug/Kg	1	08/6/2012 17:25
Naphthalene	ND	U	0.855	4.70	ug/Kg	1	08/6/2012 17:25
Styrene	ND	U	0.542	4.70	ug/Kg	1	08/6/2012 17:25
Tetrachloroethene	ND	U	0.706	4.70	ug/Kg	1	08/6/2012 17:25
Toluene	**1.66**	J	0.647	4.70	ug/Kg	1	08/6/2012 17:25
Trichloroethene	ND	U	0.792	4.70	ug/Kg	1	08/6/2012 17:25
Trichlorofluoromethane	ND	U	0.950	4.70	ug/Kg	1	08/6/2012 17:25
Vinyl chloride	ND	U	0.893	4.70	ug/Kg	1	08/6/2012 17:25
Xylene (total)	ND	U	1.66	9.40	ug/Kg	1	08/6/2012 17:25
cis-1,2-Dichloroethene	ND	U	0.574	4.70	ug/Kg	1	08/6/2012 17:25
m,p-Xylene	ND	U	1.59	9.40	ug/Kg	1	08/6/2012 17:25
n-Propylbenzene	ND	U	0.688	4.70	ug/Kg	1	08/6/2012 17:25
o-Xylene	ND	U	0.720	4.70	ug/Kg	1	08/6/2012 17:25
sec-Butylbenzene	ND	U	0.564	4.70	ug/Kg	1	08/6/2012 17:25
tert-Butyl methyl ether (MTBE)	ND	U	0.747	4.70	ug/Kg	1	08/6/2012 17:25
tert-Butylbenzene	ND	U	0.633	4.70	ug/Kg	1	08/6/2012 17:25
trans-1,2-Dichloroethene	ND	U	0.686	4.70	ug/Kg	1	08/6/2012 17:25
trans-1,4-Dichloro-2-butene	ND	U	3.95	23.5	ug/Kg	1	08/6/2012 17:25
Surrogates							
1,2-Dichloroethane-d4	117			55.0-173	%	1	08/6/2012 17:25
4-Bromofluorobenzene	89.0			23.0-141	%	1	08/6/2012 17:25
Toluene d8	100			57.0-134	%	1	08/6/2012 17:25

Batch Information

Analytical Batch: **VMS2446**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/06/2012 17:25**

Prep Batch: **VXX3763**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/06/2012 15:27**
Prep Initial Wt./Vol.: **6.13 g**
Prep Extract Vol: **5 mL**

Print Date: 08/17/2012

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Results of **SB-6**

Client Sample ID: **SB-6**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468006-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:07
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.80

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	31.0	351	ug/Kg	1	08/7/2012 15:56
1,2-Dichlorobenzene	ND	U	17.5	351	ug/Kg	1	08/7/2012 15:56
1,3-Dichlorobenzene	ND	U	23.7	351	ug/Kg	1	08/7/2012 15:56
1,4-Dichlorobenzene	ND	U	24.8	351	ug/Kg	1	08/7/2012 15:56
2,4-Dinitrotoluene	ND	U	17.7	351	ug/Kg	1	08/7/2012 15:56
2,6-Dinitrotoluene	ND	U	25.1	351	ug/Kg	1	08/7/2012 15:56
2-Chloronaphthalene	ND	U	20.6	351	ug/Kg	1	08/7/2012 15:56
2-Methylnaphthalene	ND	U	28.4	351	ug/Kg	1	08/7/2012 15:56
2-Nitroaniline	ND	U	23.1	351	ug/Kg	1	08/7/2012 15:56
3,3'-Dichlorobenzidine	ND	U	16.8	351	ug/Kg	1	08/7/2012 15:56
3-Nitroaniline	ND	U	15.8	351	ug/Kg	1	08/7/2012 15:56
4-Chloroaniline	ND	U	28.0	351	ug/Kg	1	08/7/2012 15:56
4-Chlorophenyl phenyl ether	ND	U	37.5	351	ug/Kg	1	08/7/2012 15:56
Acenaphthene	ND	U	15.9	351	ug/Kg	1	08/7/2012 15:56
Acenaphthylene	ND	U	14.8	351	ug/Kg	1	08/7/2012 15:56
Anthracene	ND	U	15.6	351	ug/Kg	1	08/7/2012 15:56
Benzo(a)anthracene	ND	U	19.3	351	ug/Kg	1	08/7/2012 15:56
Benzo(a)pyrene	ND	U	19.9	351	ug/Kg	1	08/7/2012 15:56
Benzo(b)fluoranthene	ND	U	20.2	351	ug/Kg	1	08/7/2012 15:56
Benzo(g,h,i)perylene	ND	U	55.9	351	ug/Kg	1	08/7/2012 15:56
Benzo(k)fluoranthene	ND	U	42.1	351	ug/Kg	1	08/7/2012 15:56
Bis(2-Chloroethoxy)methane	ND	U	15.8	351	ug/Kg	1	08/7/2012 15:56
Bis(2-Chloroethyl)ether	ND	U	32.8	351	ug/Kg	1	08/7/2012 15:56
Bis(2-Chloroisopropyl)ether	ND	U	30.6	351	ug/Kg	1	08/7/2012 15:56
Bis(2-Ethylhexyl)phthalate	ND	U	16.8	351	ug/Kg	1	08/7/2012 15:56
4-Bromophenyl phenyl ether	ND	U	23.1	351	ug/Kg	1	08/7/2012 15:56
Butyl benzyl phthalate	ND	U	30.5	351	ug/Kg	1	08/7/2012 15:56
Chrysene	ND	U	40.8	351	ug/Kg	1	08/7/2012 15:56
Di-n-butyl phthalate	ND	U	16.6	351	ug/Kg	1	08/7/2012 15:56
Di-n-octyl phthalate	ND	U	19.4	351	ug/Kg	1	08/7/2012 15:56
Dibenz(a,h)anthracene	ND	U	15.8	351	ug/Kg	1	08/7/2012 15:56
Dibenzofuran	ND	U	27.5	351	ug/Kg	1	08/7/2012 15:56
Diethyl phthalate	ND	U	19.0	351	ug/Kg	1	08/7/2012 15:56
Dimethyl phthalate	ND	U	26.9	351	ug/Kg	1	08/7/2012 15:56
Diphenylamine	ND	U	15.8	351	ug/Kg	1	08/7/2012 15:56
Fluoranthene	ND	U	33.0	351	ug/Kg	1	08/7/2012 15:56
Fluorene	ND	U	18.6	351	ug/Kg	1	08/7/2012 15:56
Hexachlorobenzene	ND	U	33.2	351	ug/Kg	1	08/7/2012 15:56
Hexachlorobutadiene	ND	U	21.0	351	ug/Kg	1	08/7/2012 15:56
Hexachlorocyclopentadiene	ND	U	106	351	ug/Kg	1	08/7/2012 15:56
Hexachloroethane	ND	U	20.2	351	ug/Kg	1	08/7/2012 15:56
Indeno(1,2,3-cd)pyrene	ND	U	27.4	351	ug/Kg	1	08/7/2012 15:56
Isophorone	ND	U	15.9	351	ug/Kg	1	08/7/2012 15:56
Naphthalene	ND	U	30.3	351	ug/Kg	1	08/7/2012 15:56

Print Date: 08/17/2012

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Results of **SB-6**

Client Sample ID: **SB-6**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468006-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:07
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.80

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	20.2	351	ug/Kg	1	08/7/2012 15:56
Nitrobenzene	ND	U	20.2	351	ug/Kg	1	08/7/2012 15:56
Phenanthrene	ND	U	23.1	351	ug/Kg	1	08/7/2012 15:56
Pyrene	ND	U	14.8	351	ug/Kg	1	08/7/2012 15:56
n-Nitrosodi-n-propylamine	ND	U	101	351	ug/Kg	1	08/7/2012 15:56
Surrogates							
2-Fluorobiphenyl	81.0			48.0-123	%	1	08/7/2012 15:56
Nitrobenzene-d5	93.0			46.0-117	%	1	08/7/2012 15:56
Terphenyl-d14	95.0			44.0-140	%	1	08/7/2012 15:56

Batch Information

Analytical Batch: **XMS1627**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/07/2012 15:56**

Prep Batch: **XXX2893**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/06/2012 16:36**
Prep Initial Wt./Vol.: **32.88 g**
Prep Extract Vol: **10 mL**

Print Date: 08/17/2012

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Results of SB-6

Client Sample ID: **SB-6**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468006-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:07
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 86.80

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Chromium	**7.55**		0.166	1.15	mg/kg	1	08/15/2012 14:38

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 14:38**

Prep Batch: **MXX2229**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/13/2012 08:30**
Prep Initial Wt./Vol.: **.5 g**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

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Results of **SB-7**

Client Sample ID: **SB-7**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468007-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:23
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.30

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.582	4.10	ug/Kg	1	08/6/2012 17:52
1,1,1-Trichloroethane	ND	U	0.619	4.10	ug/Kg	1	08/6/2012 17:52
1,1,2,2-Tetrachloroethane	ND	U	0.960	4.10	ug/Kg	1	08/6/2012 17:52
1,1,2-Trichloroethane	ND	U	0.854	4.10	ug/Kg	1	08/6/2012 17:52
1,1-Dichloroethane	ND	U	0.442	4.10	ug/Kg	1	08/6/2012 17:52
1,1-Dichloroethene	ND	U	0.952	4.10	ug/Kg	1	08/6/2012 17:52
1,1-Dichloropropene	ND	U	0.555	4.10	ug/Kg	1	08/6/2012 17:52
1,2,3-Trichlorobenzene	ND	U	0.683	4.10	ug/Kg	1	08/6/2012 17:52
1,2,3-Trichloropropane	ND	U	0.845	4.10	ug/Kg	1	08/6/2012 17:52
1,2,4-Trichlorobenzene	ND	U	0.598	4.10	ug/Kg	1	08/6/2012 17:52
1,2,4-Trimethylbenzene	ND	U	0.523	4.10	ug/Kg	1	08/6/2012 17:52
1,2-Dibromo-3-chloropropane	ND	U	6.08	24.6	ug/Kg	1	08/6/2012 17:52
1,2-Dibromoethane	ND	U	1.08	4.10	ug/Kg	1	08/6/2012 17:52
1,2-Dichlorobenzene	ND	U	0.584	4.10	ug/Kg	1	08/6/2012 17:52
1,2-Dichloroethane	ND	U	0.749	4.10	ug/Kg	1	08/6/2012 17:52
1,2-Dichloropropane	ND	U	0.944	4.10	ug/Kg	1	08/6/2012 17:52
1,3,5-Trimethylbenzene	ND	U	0.499	4.10	ug/Kg	1	08/6/2012 17:52
1,3-Dichlorobenzene	ND	U	0.590	4.10	ug/Kg	1	08/6/2012 17:52
1,3-Dichloropropane	ND	U	0.721	4.10	ug/Kg	1	08/6/2012 17:52
1,4-Dichlorobenzene	ND	U	0.554	4.10	ug/Kg	1	08/6/2012 17:52
2,2-Dichloropropane	ND	U	0.606	4.10	ug/Kg	1	08/6/2012 17:52
2-Butanone	ND	U	2.77	20.5	ug/Kg	1	08/6/2012 17:52
2-Chlorotoluene	ND	U	0.769	4.10	ug/Kg	1	08/6/2012 17:52
2-Hexanone	ND	U	2.64	10.3	ug/Kg	1	08/6/2012 17:52
4-Chlorotoluene	ND	U	0.621	4.10	ug/Kg	1	08/6/2012 17:52
4-Isopropyltoluene	ND	U	0.529	4.10	ug/Kg	1	08/6/2012 17:52
4-Methyl-2-pentanone	ND	U	3.07	10.3	ug/Kg	1	08/6/2012 17:52
Acetone	**37.3**	J	3.29	41.0	ug/Kg	1	08/6/2012 17:52
Benzene	ND	U	0.584	4.10	ug/Kg	1	08/6/2012 17:52
Bromobenzene	ND	U	0.572	4.10	ug/Kg	1	08/6/2012 17:52
Bromochloromethane	ND	U	0.772	4.10	ug/Kg	1	08/6/2012 17:52
Bromodichloromethane	ND	U	0.578	4.10	ug/Kg	1	08/6/2012 17:52
Bromoform	ND	U	0.594	4.10	ug/Kg	1	08/6/2012 17:52
Bromomethane	ND	U	1.19	4.10	ug/Kg	1	08/6/2012 17:52
n-Butylbenzene	ND	U	0.539	4.10	ug/Kg	1	08/6/2012 17:52
Carbon disulfide	ND	U	0.429	4.10	ug/Kg	1	08/6/2012 17:52
Carbon tetrachloride	ND	U	0.467	4.10	ug/Kg	1	08/6/2012 17:52
Chlorobenzene	ND	U	0.573	4.10	ug/Kg	1	08/6/2012 17:52
Chloroethane	ND	U	0.821	4.10	ug/Kg	1	08/6/2012 17:52
Chloroform	ND	U	0.523	4.10	ug/Kg	1	08/6/2012 17:52
Chloromethane	ND	U	1.17	4.10	ug/Kg	1	08/6/2012 17:52
Dibromochloromethane	ND	U	0.911	4.10	ug/Kg	1	08/6/2012 17:52
Dibromomethane	ND	U	0.724	4.10	ug/Kg	1	08/6/2012 17:52
Dichlorodifluoromethane	ND	U	0.862	4.10	ug/Kg	1	08/6/2012 17:52

Print Date: 08/17/2012

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Results of **SB-7**

Client Sample ID: **SB-7**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468007-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:23
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.30

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.845	4.10	ug/Kg	1	08/6/2012 17:52
trans-1,3-Dichloropropene	ND	U	0.775	4.10	ug/Kg	1	08/6/2012 17:52
Diisopropyl Ether	ND	U	0.674	4.10	ug/Kg	1	08/6/2012 17:52
Ethyl Benzene	ND	U	0.579	4.10	ug/Kg	1	08/6/2012 17:52
Hexachlorobutadiene	ND	U	0.564	4.10	ug/Kg	1	08/6/2012 17:52
Isopropylbenzene (Cumene)	ND	U	0.511	4.10	ug/Kg	1	08/6/2012 17:52
Methyl iodide	ND	U	0.629	4.10	ug/Kg	1	08/6/2012 17:52
Methylene chloride	**1.55**	J	0.862	16.4	ug/Kg	1	08/6/2012 17:52
Naphthalene	ND	U	0.746	4.10	ug/Kg	1	08/6/2012 17:52
Styrene	ND	U	0.473	4.10	ug/Kg	1	08/6/2012 17:52
Tetrachloroethene	ND	U	0.616	4.10	ug/Kg	1	08/6/2012 17:52
Toluene	ND	U	0.565	4.10	ug/Kg	1	08/6/2012 17:52
Trichloroethene	ND	U	0.691	4.10	ug/Kg	1	08/6/2012 17:52
Trichlorofluoromethane	ND	U	0.829	4.10	ug/Kg	1	08/6/2012 17:52
Vinyl chloride	ND	U	0.780	4.10	ug/Kg	1	08/6/2012 17:52
Xylene (total)	ND	U	1.45	8.21	ug/Kg	1	08/6/2012 17:52
cis-1,2-Dichloroethene	ND	U	0.502	4.10	ug/Kg	1	08/6/2012 17:52
m,p-Xylene	ND	U	1.39	8.21	ug/Kg	1	08/6/2012 17:52
n-Propylbenzene	ND	U	0.601	4.10	ug/Kg	1	08/6/2012 17:52
o-Xylene	ND	U	0.629	4.10	ug/Kg	1	08/6/2012 17:52
sec-Butylbenzene	ND	U	0.492	4.10	ug/Kg	1	08/6/2012 17:52
tert-Butyl methyl ether (MTBE)	ND	U	0.653	4.10	ug/Kg	1	08/6/2012 17:52
tert-Butylbenzene	ND	U	0.552	4.10	ug/Kg	1	08/6/2012 17:52
trans-1,2-Dichloroethene	ND	U	0.599	4.10	ug/Kg	1	08/6/2012 17:52
trans-1,4-Dichloro-2-butene	ND	U	3.45	20.5	ug/Kg	1	08/6/2012 17:52
Surrogates							
1,2-Dichloroethane-d4	115			55.0-173	%	1	08/6/2012 17:52
4-Bromofluorobenzene	92.0			23.0-141	%	1	08/6/2012 17:52
Toluene d8	100			57.0-134	%	1	08/6/2012 17:52

Batch Information

Analytical Batch: **VMS2446**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/06/2012 17:52**

Prep Batch: **VXX3763**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/06/2012 15:27**
Prep Initial Wt./Vol.: **7.14 g**
Prep Extract Vol: **5 mL**

Print Date: 08/17/2012

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Results of **SB-7**

Client Sample ID: **SB-7**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468007-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:23
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.30

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	30.6	347	ug/Kg	1	08/7/2012 16:18
1,2-Dichlorobenzene	ND	U	17.3	347	ug/Kg	1	08/7/2012 16:18
1,3-Dichlorobenzene	ND	U	23.4	347	ug/Kg	1	08/7/2012 16:18
1,4-Dichlorobenzene	ND	U	24.5	347	ug/Kg	1	08/7/2012 16:18
2,4-Dinitrotoluene	ND	U	17.5	347	ug/Kg	1	08/7/2012 16:18
2,6-Dinitrotoluene	ND	U	24.8	347	ug/Kg	1	08/7/2012 16:18
2-Chloronaphthalene	ND	U	20.4	347	ug/Kg	1	08/7/2012 16:18
2-Methylnaphthalene	ND	U	28.0	347	ug/Kg	1	08/7/2012 16:18
2-Nitroaniline	ND	U	22.8	347	ug/Kg	1	08/7/2012 16:18
3,3'-Dichlorobenzidine	ND	U	16.6	347	ug/Kg	1	08/7/2012 16:18
3-Nitroaniline	ND	U	15.6	347	ug/Kg	1	08/7/2012 16:18
4-Chloroaniline	ND	U	27.7	347	ug/Kg	1	08/7/2012 16:18
4-Chlorophenyl phenyl ether	ND	U	37.0	347	ug/Kg	1	08/7/2012 16:18
Acenaphthene	ND	U	15.7	347	ug/Kg	1	08/7/2012 16:18
Acenaphthylene	ND	U	14.6	347	ug/Kg	1	08/7/2012 16:18
Anthracene	ND	U	15.4	347	ug/Kg	1	08/7/2012 16:18
Benzo(a)anthracene	ND	U	19.0	347	ug/Kg	1	08/7/2012 16:18
Benzo(a)pyrene	ND	U	19.6	347	ug/Kg	1	08/7/2012 16:18
Benzo(b)fluoranthene	ND	U	19.9	347	ug/Kg	1	08/7/2012 16:18
Benzo(g,h,i)perylene	ND	U	55.1	347	ug/Kg	1	08/7/2012 16:18
Benzo(k)fluoranthene	ND	U	41.5	347	ug/Kg	1	08/7/2012 16:18
Bis(2-Chloroethoxy)methane	ND	U	15.6	347	ug/Kg	1	08/7/2012 16:18
Bis(2-Chloroethyl)ether	ND	U	32.3	347	ug/Kg	1	08/7/2012 16:18
Bis(2-Chloroisopropyl)ether	ND	U	30.2	347	ug/Kg	1	08/7/2012 16:18
Bis(2-Ethylhexyl)phthalate	ND	U	16.6	347	ug/Kg	1	08/7/2012 16:18
4-Bromophenyl phenyl ether	ND	U	22.8	347	ug/Kg	1	08/7/2012 16:18
Butyl benzyl phthalate	ND	U	30.1	347	ug/Kg	1	08/7/2012 16:18
Chrysene	ND	U	40.3	347	ug/Kg	1	08/7/2012 16:18
Di-n-butyl phthalate	ND	U	16.4	347	ug/Kg	1	08/7/2012 16:18
Di-n-octyl phthalate	ND	U	19.2	347	ug/Kg	1	08/7/2012 16:18
Dibenz(a,h)anthracene	ND	U	15.6	347	ug/Kg	1	08/7/2012 16:18
Dibenzofuran	ND	U	27.1	347	ug/Kg	1	08/7/2012 16:18
Diethyl phthalate	ND	U	18.7	347	ug/Kg	1	08/7/2012 16:18
Dimethyl phthalate	ND	U	26.6	347	ug/Kg	1	08/7/2012 16:18
Diphenylamine	ND	U	15.6	347	ug/Kg	1	08/7/2012 16:18
Fluoranthene	ND	U	32.6	347	ug/Kg	1	08/7/2012 16:18
Fluorene	ND	U	18.4	347	ug/Kg	1	08/7/2012 16:18
Hexachlorobenzene	ND	U	32.8	347	ug/Kg	1	08/7/2012 16:18
Hexachlorobutadiene	ND	U	20.7	347	ug/Kg	1	08/7/2012 16:18
Hexachlorocyclopentadiene	ND	U	105	347	ug/Kg	1	08/7/2012 16:18
Hexachloroethane	ND	U	19.9	347	ug/Kg	1	08/7/2012 16:18
Indeno(1,2,3-cd)pyrene	ND	U	27.0	347	ug/Kg	1	08/7/2012 16:18
Isophorone	ND	U	15.7	347	ug/Kg	1	08/7/2012 16:18
Naphthalene	ND	U	29.9	347	ug/Kg	1	08/7/2012 16:18

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N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of SB-7

Client Sample ID: **SB-7**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468007-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:23
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.30

Results by SW-846 8270D

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	19.9	347	ug/Kg	1	08/7/2012 16:18
Nitrobenzene	ND	U	19.9	347	ug/Kg	1	08/7/2012 16:18
Phenanthrene	ND	U	22.8	347	ug/Kg	1	08/7/2012 16:18
Pyrene	ND	U	14.6	347	ug/Kg	1	08/7/2012 16:18
n-Nitrosodi-n-propylamine	ND	U	99.2	347	ug/Kg	1	08/7/2012 16:18
Surrogates							
2-Fluorobiphenyl	92.0			48.0-123	%	1	08/7/2012 16:18
Nitrobenzene-d5	94.0			46.0-117	%	1	08/7/2012 16:18
Terphenyl-d14	103			44.0-140	%	1	08/7/2012 16:18

Batch Information

Analytical Batch: **XMS1627**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/07/2012 16:18**

Prep Batch: **XXX2893**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/06/2012 16:36**
Prep Initial Wt./Vol.: **33.87 g**
Prep Extract Vol: **10 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of SB-7

Client Sample ID: **SB-7**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468007-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:23
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 85.30

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Chromium	**7.62**		0.141	0.977	mg/kg	1	08/15/2012 14:43

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 14:43**

Prep Batch: **MXX2229**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/13/2012 08:30**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **SB-8**

Client Sample ID: **SB-8**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468008-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:52
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 87.00

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.529	3.73	ug/Kg	1	08/6/2012 18:18
1,1,1-Trichloroethane	ND	U	0.563	3.73	ug/Kg	1	08/6/2012 18:18
1,1,2,2-Tetrachloroethane	ND	U	0.873	3.73	ug/Kg	1	08/6/2012 18:18
1,1,2-Trichloroethane	ND	U	0.776	3.73	ug/Kg	1	08/6/2012 18:18
1,1-Dichloroethane	ND	U	0.401	3.73	ug/Kg	1	08/6/2012 18:18
1,1-Dichloroethene	ND	U	0.866	3.73	ug/Kg	1	08/6/2012 18:18
1,1-Dichloropropene	ND	U	0.504	3.73	ug/Kg	1	08/6/2012 18:18
1,2,3-Trichlorobenzene	ND	U	0.621	3.73	ug/Kg	1	08/6/2012 18:18
1,2,3-Trichloropropane	ND	U	0.769	3.73	ug/Kg	1	08/6/2012 18:18
1,2,4-Trichlorobenzene	ND	U	0.544	3.73	ug/Kg	1	08/6/2012 18:18
1,2,4-Trimethylbenzene	ND	U	0.475	3.73	ug/Kg	1	08/6/2012 18:18
1,2-Dibromo-3-chloropropane	ND	U	5.53	22.4	ug/Kg	1	08/6/2012 18:18
1,2-Dibromoethane	ND	U	0.978	3.73	ug/Kg	1	08/6/2012 18:18
1,2-Dichlorobenzene	ND	U	0.531	3.73	ug/Kg	1	08/6/2012 18:18
1,2-Dichloroethane	ND	U	0.681	3.73	ug/Kg	1	08/6/2012 18:18
1,2-Dichloropropane	ND	U	0.858	3.73	ug/Kg	1	08/6/2012 18:18
1,3,5-Trimethylbenzene	ND	U	0.454	3.73	ug/Kg	1	08/6/2012 18:18
1,3-Dichlorobenzene	ND	U	0.537	3.73	ug/Kg	1	08/6/2012 18:18
1,3-Dichloropropane	ND	U	0.656	3.73	ug/Kg	1	08/6/2012 18:18
1,4-Dichlorobenzene	ND	U	0.504	3.73	ug/Kg	1	08/6/2012 18:18
2,2-Dichloropropane	ND	U	0.551	3.73	ug/Kg	1	08/6/2012 18:18
2-Butanone	ND	U	2.52	18.7	ug/Kg	1	08/6/2012 18:18
2-Chlorotoluene	ND	U	0.699	3.73	ug/Kg	1	08/6/2012 18:18
2-Hexanone	ND	U	2.40	9.33	ug/Kg	1	08/6/2012 18:18
4-Chlorotoluene	ND	U	0.564	3.73	ug/Kg	1	08/6/2012 18:18
4-Isopropyltoluene	ND	U	0.481	3.73	ug/Kg	1	08/6/2012 18:18
4-Methyl-2-pentanone	ND	U	2.79	9.33	ug/Kg	1	08/6/2012 18:18
Acetone	**13.9**	J	2.99	37.3	ug/Kg	1	08/6/2012 18:18
Benzene	ND	U	0.531	3.73	ug/Kg	1	08/6/2012 18:18
Bromobenzene	ND	U	0.520	3.73	ug/Kg	1	08/6/2012 18:18
Bromochloromethane	ND	U	0.701	3.73	ug/Kg	1	08/6/2012 18:18
Bromodichloromethane	ND	U	0.525	3.73	ug/Kg	1	08/6/2012 18:18
Bromoform	ND	U	0.540	3.73	ug/Kg	1	08/6/2012 18:18
Bromomethane	ND	U	1.08	3.73	ug/Kg	1	08/6/2012 18:18
n-Butylbenzene	ND	U	0.490	3.73	ug/Kg	1	08/6/2012 18:18
Carbon disulfide	ND	U	0.390	3.73	ug/Kg	1	08/6/2012 18:18
Carbon tetrachloride	ND	U	0.425	3.73	ug/Kg	1	08/6/2012 18:18
Chlorobenzene	ND	U	0.521	3.73	ug/Kg	1	08/6/2012 18:18
Chloroethane	ND	U	0.746	3.73	ug/Kg	1	08/6/2012 18:18
Chloroform	ND	U	0.475	3.73	ug/Kg	1	08/6/2012 18:18
Chloromethane	ND	U	1.07	3.73	ug/Kg	1	08/6/2012 18:18
Dibromochloromethane	ND	U	0.828	3.73	ug/Kg	1	08/6/2012 18:18
Dibromomethane	ND	U	0.658	3.73	ug/Kg	1	08/6/2012 18:18
Dichlorodifluoromethane	ND	U	0.784	3.73	ug/Kg	1	08/6/2012 18:18

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of SB-8

Client Sample ID: **SB-8**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468008-A
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:52
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 87.00

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.769	3.73	ug/Kg	1	08/6/2012 18:18
trans-1,3-Dichloropropene	ND	U	0.704	3.73	ug/Kg	1	08/6/2012 18:18
Diisopropyl Ether	ND	U	0.613	3.73	ug/Kg	1	08/6/2012 18:18
Ethyl Benzene	ND	U	0.526	3.73	ug/Kg	1	08/6/2012 18:18
Hexachlorobutadiene	ND	U	0.513	3.73	ug/Kg	1	08/6/2012 18:18
Isopropylbenzene (Cumene)	ND	U	0.464	3.73	ug/Kg	1	08/6/2012 18:18
Methyl iodide	ND	U	0.572	3.73	ug/Kg	1	08/6/2012 18:18
Methylene chloride	**1.27**	J	0.784	14.9	ug/Kg	1	08/6/2012 18:18
Naphthalene	ND	U	0.678	3.73	ug/Kg	1	08/6/2012 18:18
Styrene	ND	U	0.430	3.73	ug/Kg	1	08/6/2012 18:18
Tetrachloroethene	ND	U	0.560	3.73	ug/Kg	1	08/6/2012 18:18
Toluene	ND	U	0.513	3.73	ug/Kg	1	08/6/2012 18:18
Trichloroethene	ND	U	0.628	3.73	ug/Kg	1	08/6/2012 18:18
Trichlorofluoromethane	ND	U	0.754	3.73	ug/Kg	1	08/6/2012 18:18
Vinyl chloride	ND	U	0.709	3.73	ug/Kg	1	08/6/2012 18:18
Xylene (total)	ND	U	1.32	7.46	ug/Kg	1	08/6/2012 18:18
cis-1,2-Dichloroethene	ND	U	0.456	3.73	ug/Kg	1	08/6/2012 18:18
m,p-Xylene	ND	U	1.26	7.46	ug/Kg	1	08/6/2012 18:18
n-Propylbenzene	ND	U	0.546	3.73	ug/Kg	1	08/6/2012 18:18
o-Xylene	ND	U	0.572	3.73	ug/Kg	1	08/6/2012 18:18
sec-Butylbenzene	ND	U	0.448	3.73	ug/Kg	1	08/6/2012 18:18
tert-Butyl methyl ether (MTBE)	ND	U	0.593	3.73	ug/Kg	1	08/6/2012 18:18
tert-Butylbenzene	ND	U	0.502	3.73	ug/Kg	1	08/6/2012 18:18
trans-1,2-Dichloroethene	ND	U	0.545	3.73	ug/Kg	1	08/6/2012 18:18
trans-1,4-Dichloro-2-butene	ND	U	3.13	18.7	ug/Kg	1	08/6/2012 18:18
Surrogates							
1,2-Dichloroethane-d4	116			55.0-173	%	1	08/6/2012 18:18
4-Bromofluorobenzene	96.0			23.0-141	%	1	08/6/2012 18:18
Toluene d8	104			57.0-134	%	1	08/6/2012 18:18

Batch Information

Analytical Batch: **VMS2446**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/06/2012 18:18**

Prep Batch: **VXX3763**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/06/2012 15:27**
Prep Initial Wt./Vol.: **7.7 g**
Prep Extract Vol: **5 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **SB-8**

Client Sample ID: **SB-8**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468008-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:52
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 87.00

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	31.5	357	ug/Kg	1	08/7/2012 16:41
1,2-Dichlorobenzene	ND	U	17.8	357	ug/Kg	1	08/7/2012 16:41
1,3-Dichlorobenzene	ND	U	24.1	357	ug/Kg	1	08/7/2012 16:41
1,4-Dichlorobenzene	ND	U	25.2	357	ug/Kg	1	08/7/2012 16:41
2,4-Dinitrotoluene	ND	U	18.0	357	ug/Kg	1	08/7/2012 16:41
2,6-Dinitrotoluene	ND	U	25.5	357	ug/Kg	1	08/7/2012 16:41
2-Chloronaphthalene	ND	U	21.0	357	ug/Kg	1	08/7/2012 16:41
2-Methylnaphthalene	ND	U	28.8	357	ug/Kg	1	08/7/2012 16:41
2-Nitroaniline	ND	U	23.5	357	ug/Kg	1	08/7/2012 16:41
3,3'-Dichlorobenzidine	ND	U	17.1	357	ug/Kg	1	08/7/2012 16:41
3-Nitroaniline	ND	U	16.1	357	ug/Kg	1	08/7/2012 16:41
4-Chloroaniline	ND	U	28.5	357	ug/Kg	1	08/7/2012 16:41
4-Chlorophenyl phenyl ether	ND	U	38.1	357	ug/Kg	1	08/7/2012 16:41
Acenaphthene	ND	U	16.2	357	ug/Kg	1	08/7/2012 16:41
Acenaphthylene	ND	U	15.1	357	ug/Kg	1	08/7/2012 16:41
Anthracene	ND	U	15.8	357	ug/Kg	1	08/7/2012 16:41
Benzo(a)anthracene	ND	U	19.6	357	ug/Kg	1	08/7/2012 16:41
Benzo(a)pyrene	ND	U	20.2	357	ug/Kg	1	08/7/2012 16:41
Benzo(b)fluoranthene	ND	U	20.5	357	ug/Kg	1	08/7/2012 16:41
Benzo(g,h,i)perylene	ND	U	56.8	357	ug/Kg	1	08/7/2012 16:41
Benzo(k)fluoranthene	ND	U	42.8	357	ug/Kg	1	08/7/2012 16:41
Bis(2-Chloroethoxy)methane	ND	U	16.1	357	ug/Kg	1	08/7/2012 16:41
Bis(2-Chloroethyl)ether	ND	U	33.3	357	ug/Kg	1	08/7/2012 16:41
Bis(2-Chloroisopropyl)ether	ND	U	31.1	357	ug/Kg	1	08/7/2012 16:41
Bis(2-Ethylhexyl)phthalate	ND	U	17.1	357	ug/Kg	1	08/7/2012 16:41
4-Bromophenyl phenyl ether	ND	U	23.5	357	ug/Kg	1	08/7/2012 16:41
Butyl benzyl phthalate	ND	U	31.0	357	ug/Kg	1	08/7/2012 16:41
Chrysene	ND	U	41.5	357	ug/Kg	1	08/7/2012 16:41
Di-n-butyl phthalate	ND	U	16.9	357	ug/Kg	1	08/7/2012 16:41
Di-n-octyl phthalate	ND	U	19.7	357	ug/Kg	1	08/7/2012 16:41
Dibenz(a,h)anthracene	ND	U	16.1	357	ug/Kg	1	08/7/2012 16:41
Dibenzofuran	ND	U	27.9	357	ug/Kg	1	08/7/2012 16:41
Diethyl phthalate	ND	U	19.3	357	ug/Kg	1	08/7/2012 16:41
Dimethyl phthalate	ND	U	27.4	357	ug/Kg	1	08/7/2012 16:41
Diphenylamine	ND	U	16.1	357	ug/Kg	1	08/7/2012 16:41
Fluoranthene	ND	U	33.5	357	ug/Kg	1	08/7/2012 16:41
Fluorene	ND	U	18.9	357	ug/Kg	1	08/7/2012 16:41
Hexachlorobenzene	ND	U	33.8	357	ug/Kg	1	08/7/2012 16:41
Hexachlorobutadiene	ND	U	21.3	357	ug/Kg	1	08/7/2012 16:41
Hexachlorocyclopentadiene	ND	U	108	357	ug/Kg	1	08/7/2012 16:41
Hexachloroethane	ND	U	20.5	357	ug/Kg	1	08/7/2012 16:41
Indeno(1,2,3-cd)pyrene	ND	U	27.8	357	ug/Kg	1	08/7/2012 16:41
Isophorone	ND	U	16.2	357	ug/Kg	1	08/7/2012 16:41
Naphthalene	ND	U	30.8	357	ug/Kg	1	08/7/2012 16:41

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **SB-8**

Client Sample ID: **SB-8**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468008-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:52
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 87.00

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	20.5	357	ug/Kg	1	08/7/2012 16:41
Nitrobenzene	ND	U	20.5	357	ug/Kg	1	08/7/2012 16:41
Phenanthrene	ND	U	23.5	357	ug/Kg	1	08/7/2012 16:41
Pyrene	ND	U	15.1	357	ug/Kg	1	08/7/2012 16:41
n-Nitrosodi-n-propylamine	ND	U	102	357	ug/Kg	1	08/7/2012 16:41
Surrogates							
2-Fluorobiphenyl	83.0			48.0-123	%	1	08/7/2012 16:41
Nitrobenzene-d5	88.0			46.0-117	%	1	08/7/2012 16:41
Terphenyl-d14	94.0			44.0-140	%	1	08/7/2012 16:41

Batch Information

Analytical Batch: **XMS1627**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/07/2012 16:41**

Prep Batch: **XXX2893**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/06/2012 16:36**
Prep Initial Wt./Vol.: **32.25 g**
Prep Extract Vol: **10 mL**

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SGS ANALYTICAL PERSPECTIVES

Results of SB-8

Client Sample ID: **SB-8**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468008-E
Lab Project ID: 31202468

Collection Date: 08/02/2012 14:52
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 87.00

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Chromium	**9.55**		0.150	1.04	mg/kg	1	08/15/2012 14:48

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 14:48**

Prep Batch: **MXX2229**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/13/2012 08:30**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **AMW-1**

Client Sample ID: **AMW-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468009-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 10:10
Received Date: 08/03/2012 13:05
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	8.75	50.0	ug/L	50	08/7/2012 19:09
1,1,1-Trichloroethane	ND	U	11.1	50.0	ug/L	50	08/7/2012 19:09
1,1,2,2-Tetrachloroethane	ND	U	11.2	50.0	ug/L	50	08/7/2012 19:09
1,1,2-Trichloroethane	ND	U	10.8	50.0	ug/L	50	08/7/2012 19:09
1,1-Dichloroethane	ND	U	8.10	50.0	ug/L	50	08/7/2012 19:09
1,1-Dichloroethene	ND	U	10.1	50.0	ug/L	50	08/7/2012 19:09
1,1-Dichloropropene	ND	U	8.80	50.0	ug/L	50	08/7/2012 19:09
1,2,3-Trichlorobenzene	ND	U	12.3	50.0	ug/L	50	08/7/2012 19:09
1,2,3-Trichloropropane	ND	U	10.5	50.0	ug/L	50	08/7/2012 19:09
1,2,4-Trichlorobenzene	ND	U	11.0	50.0	ug/L	50	08/7/2012 19:09
1,2,4-Trimethylbenzene	**362**		8.95	50.0	ug/L	50	08/7/2012 19:09
1,2-Dibromo-3-chloropropane	ND	U	94.0	250	ug/L	50	08/7/2012 19:09
1,2-Dibromoethane	ND	U	8.95	50.0	ug/L	50	08/7/2012 19:09
1,2-Dichlorobenzene	ND	U	10.7	50.0	ug/L	50	08/7/2012 19:09
1,2-Dichloroethane	ND	U	6.95	50.0	ug/L	50	08/7/2012 19:09
1,2-Dichloropropane	ND	U	7.90	50.0	ug/L	50	08/7/2012 19:09
1,3,5-Trimethylbenzene	**82.0**		7.95	50.0	ug/L	50	08/7/2012 19:09
1,3-Dichlorobenzene	ND	U	9.00	50.0	ug/L	50	08/7/2012 19:09
1,3-Dichloropropane	ND	U	9.90	50.0	ug/L	50	08/7/2012 19:09
1,4-Dichlorobenzene	ND	U	12.2	50.0	ug/L	50	08/7/2012 19:09
2,2-Dichloropropane	ND	U	9.70	50.0	ug/L	50	08/7/2012 19:09
2-Butanone	ND	U	69.5	1250	ug/L	50	08/7/2012 19:09
2-Chlorotoluene	ND	U	8.00	50.0	ug/L	50	08/7/2012 19:09
2-Hexanone	ND	U	69.5	250	ug/L	50	08/7/2012 19:09
4-Chlorotoluene	ND	U	13.0	50.0	ug/L	50	08/7/2012 19:09
4-Isopropyltoluene	**9.00**	J	8.50	50.0	ug/L	50	08/7/2012 19:09
4-Methyl-2-pentanone	ND	U	57.5	250	ug/L	50	08/7/2012 19:09
Acetone	ND	U	128	1250	ug/L	50	08/7/2012 19:09
Benzene	ND	U	7.80	50.0	ug/L	50	08/7/2012 19:09
Bromobenzene	ND	U	10.3	50.0	ug/L	50	08/7/2012 19:09
Bromochloromethane	ND	U	6.70	50.0	ug/L	50	08/7/2012 19:09
Bromodichloromethane	ND	U	11.1	50.0	ug/L	50	08/7/2012 19:09
Bromoform	ND	U	10.4	50.0	ug/L	50	08/7/2012 19:09
Bromomethane	ND	U	25.4	50.0	ug/L	50	08/7/2012 19:09
n-Butylbenzene	ND	U	8.40	50.0	ug/L	50	08/7/2012 19:09
Carbon disulfide	ND	U	9.85	50.0	ug/L	50	08/7/2012 19:09
Carbon tetrachloride	ND	U	8.45	50.0	ug/L	50	08/7/2012 19:09
Chlorobenzene	ND	U	7.90	50.0	ug/L	50	08/7/2012 19:09
Chloroethane	ND	U	45.1	50.0	ug/L	50	08/7/2012 19:09
Chloroform	ND	U	10.3	50.0	ug/L	50	08/7/2012 19:09
Chloromethane	ND	U	14.8	50.0	ug/L	50	08/7/2012 19:09
Dibromochloromethane	ND	U	8.65	50.0	ug/L	50	08/7/2012 19:09
Dibromomethane	ND	U	8.55	50.0	ug/L	50	08/7/2012 19:09
Dichlorodifluoromethane	ND	U	14.2	250	ug/L	50	08/7/2012 19:09

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of AMW-1

Client Sample ID: **AMW-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468009-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 10:10
Received Date: 08/03/2012 13:05
Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	9.25	50.0	ug/L	50	08/7/2012 19:09
trans-1,3-Dichloropropene	ND	U	8.35	50.0	ug/L	50	08/7/2012 19:09
Diisopropyl Ether	ND	U	6.70	50.0	ug/L	50	08/7/2012 19:09
Ethyl Benzene	**432**		9.30	50.0	ug/L	50	08/7/2012 19:09
Hexachlorobutadiene	ND	U	18.3	50.0	ug/L	50	08/7/2012 19:09
Isopropylbenzene (Cumene)	**36.5**	J	9.80	50.0	ug/L	50	08/7/2012 19:09
Methyl iodide	ND	U	12.4	50.0	ug/L	50	08/7/2012 19:09
Methylene chloride	ND	U	9.95	250	ug/L	50	08/7/2012 19:09
Naphthalene	**178**		13.0	50.0	ug/L	50	08/7/2012 19:09
Styrene	ND	U	10.4	50.0	ug/L	50	08/7/2012 19:09
Tetrachloroethene	ND	U	11.3	50.0	ug/L	50	08/7/2012 19:09
Toluene	**9.00**	J	9.00	50.0	ug/L	50	08/7/2012 19:09
Trichloroethene	ND	U	9.95	50.0	ug/L	50	08/7/2012 19:09
Trichlorofluoromethane	ND	U	15.4	50.0	ug/L	50	08/7/2012 19:09
Vinyl chloride	ND	U	19.3	50.0	ug/L	50	08/7/2012 19:09
Xylene (total)	**702**		30.1	100	ug/L	50	08/7/2012 19:09
cis-1,2-Dichloroethene	ND	U	8.95	50.0	ug/L	50	08/7/2012 19:09
m,p-Xylene	**652**		20.4	100	ug/L	50	08/7/2012 19:09
n-Propylbenzene	**65.5**		9.25	50.0	ug/L	50	08/7/2012 19:09
o-Xylene	**50.0**		9.75	50.0	ug/L	50	08/7/2012 19:09
sec-Butylbenzene	ND	U	7.55	50.0	ug/L	50	08/7/2012 19:09
tert-Butyl methyl ether (MTBE)	ND	U	9.75	50.0	ug/L	50	08/7/2012 19:09
tert-Butylbenzene	ND	U	12.0	50.0	ug/L	50	08/7/2012 19:09
trans-1,2-Dichloroethene	ND	U	12.4	50.0	ug/L	50	08/7/2012 19:09
trans-1,4-Dichloro-2-butene	ND	U	62.5	250	ug/L	50	08/7/2012 19:09
Surrogates							
1,2-Dichloroethane-d4	101			64.0-140	%	50	08/7/2012 19:09
4-Bromofluorobenzene	98.0			85.0-115	%	50	08/7/2012 19:09
Toluene d8	101			82.0-117	%	50	08/7/2012 19:09

Batch Information

Analytical Batch: **VMS2453**
Analytical Method: **SW-846 8260B**
Instrument: **MSD3**
Analyst: **BWS**
Analytical Date/Time: **08/07/2012 19:09**

Prep Batch: **VXX3771**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/07/2012 09:36**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of **AMW-1**

Client Sample ID: **AMW-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468009-D
Lab Project ID: 31202468

Collection Date: 08/03/2012 10:10
Received Date: 08/03/2012 13:05
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	U	3.52	10.2	ug/L	2	08/14/2012 15:35
1,2-Dichlorobenzene	ND	U	3.48	10.2	ug/L	2	08/14/2012 15:35
1,3-Dichlorobenzene	ND	U	3.36	10.2	ug/L	2	08/14/2012 15:35
1,4-Dichlorobenzene	ND	U	3.32	10.2	ug/L	2	08/14/2012 15:35
2,4-Dinitrotoluene	ND	U	3.74	10.2	ug/L	2	08/14/2012 15:35
2,6-Dinitrotoluene	ND	U	3.83	10.2	ug/L	2	08/14/2012 15:35
2-Chloronaphthalene	ND	U	4.07	10.2	ug/L	2	08/14/2012 15:35
2-Methylnaphthalene	**41.2**		3.95	10.2	ug/L	2	08/14/2012 15:35
2-Nitroaniline	ND	U	3.44	10.2	ug/L	2	08/14/2012 15:35
3,3'-Dichlorobenzidine	ND	U	3.56	20.3	ug/L	2	08/14/2012 15:35
3-Nitroaniline	ND	U	3.36	50.9	ug/L	2	08/14/2012 15:35
4-Chloroaniline	ND	U	3.83	50.9	ug/L	2	08/14/2012 15:35
4-Chlorophenyl phenyl ether	ND	U	5.01	10.2	ug/L	2	08/14/2012 15:35
Acenaphthene	ND	U	4.19	10.2	ug/L	2	08/14/2012 15:35
Acenaphthylene	ND	U	4.07	10.2	ug/L	2	08/14/2012 15:35
Anthracene	ND	U	3.93	10.2	ug/L	2	08/14/2012 15:35
Benzo(a)anthracene	ND	U	3.99	10.2	ug/L	2	08/14/2012 15:35
Benzo(a)pyrene	ND	U	3.78	10.2	ug/L	2	08/14/2012 15:35
Benzo(b)fluoranthene	ND	U	3.99	10.2	ug/L	2	08/14/2012 15:35
Benzo(g,h,i)perylene	ND	U	4.37	10.2	ug/L	2	08/14/2012 15:35
Benzo(k)fluoranthene	ND	U	4.70	10.2	ug/L	2	08/14/2012 15:35
Bis(2-Chloroethoxy)methane	ND	U	4.31	10.2	ug/L	2	08/14/2012 15:35
Bis(2-Chloroethyl)ether	ND	U	4.50	10.2	ug/L	2	08/14/2012 15:35
Bis(2-Chloroisopropyl)ether	ND	U	4.15	10.2	ug/L	2	08/14/2012 15:35
Bis(2-Ethylhexyl)phthalate	ND	U	3.97	10.2	ug/L	2	08/14/2012 15:35
4-Bromophenyl phenyl ether	ND	U	4.15	10.2	ug/L	2	08/14/2012 15:35
Butyl benzyl phthalate	ND	U	3.85	10.2	ug/L	2	08/14/2012 15:35
Chrysene	ND	U	4.48	10.2	ug/L	2	08/14/2012 15:35
Di-n-butyl phthalate	ND	U	3.89	10.2	ug/L	2	08/14/2012 15:35
Di-n-octyl phthalate	ND	U	2.97	10.2	ug/L	2	08/14/2012 15:35
Dibenz(a,h)anthracene	ND	U	4.11	10.2	ug/L	2	08/14/2012 15:35
Dibenzofuran	ND	U	4.52	10.2	ug/L	2	08/14/2012 15:35
Diethyl phthalate	ND	U	4.27	10.2	ug/L	2	08/14/2012 15:35
Dimethyl phthalate	ND	U	4.35	10.2	ug/L	2	08/14/2012 15:35
Diphenylamine	ND	U	4.11	10.2	ug/L	2	08/14/2012 15:35
Fluoranthene	ND	U	4.11	10.2	ug/L	2	08/14/2012 15:35
Fluorene	ND	U	4.96	10.2	ug/L	2	08/14/2012 15:35
Hexachlorobenzene	ND	U	3.93	10.2	ug/L	2	08/14/2012 15:35
Hexachlorobutadiene	ND	U	3.09	10.2	ug/L	2	08/14/2012 15:35
Hexachlorocyclopentadiene	ND	U	1.60	20.3	ug/L	2	08/14/2012 15:35
Hexachloroethane	ND	U	2.85	10.2	ug/L	2	08/14/2012 15:35
Indeno(1,2,3-cd)pyrene	ND	U	4.11	10.2	ug/L	2	08/14/2012 15:35
Isophorone	ND	U	4.25	10.2	ug/L	2	08/14/2012 15:35
Naphthalene	**152**		3.95	10.2	ug/L	2	08/14/2012 15:35

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of **AMW-1**

Client Sample ID: **AMW-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468009-D
Lab Project ID: 31202468

Collection Date: 08/03/2012 10:10
Received Date: 08/03/2012 13:05
Matrix: Water

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
4-Nitroaniline	ND	U	3.42	50.9	ug/L	2	08/14/2012 15:35
Nitrobenzene	ND	U	4.46	10.2	ug/L	2	08/14/2012 15:35
Phenanthrene	ND	U	4.05	10.2	ug/L	2	08/14/2012 15:35
Pyrene	ND	U	4.09	10.2	ug/L	2	08/14/2012 15:35
n-Nitrosodi-n-propylamine	ND	U	4.54	10.2	ug/L	2	08/14/2012 15:35
Surrogates							
2,4,6-Tribromophenol	82.0			29.3-152	%	2	08/14/2012 15:35
2-Fluorobiphenyl	60.0			50.0-107	%	2	08/14/2012 15:35
2-Fluorophenol	53.0			33.1-118	%	2	08/14/2012 15:35
Nitrobenzene-d5	62.0			46.0-118	%	2	08/14/2012 15:35
Phenol-d6	68.0			49.0-120	%	2	08/14/2012 15:35
Terphenyl-d14	79.0			22.1-142	%	2	08/14/2012 15:35

Batch Information

Analytical Batch: **XMS1635**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **08/14/2012 15:35**

Prep Batch: **XXX2897**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/07/2012 16:58**
Prep Initial Wt./Vol.: **983 mL**
Prep Extract Vol: **5 mL**

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SGS ANALYTICAL PERSPECTIVES

Results of AMW-1

Client Sample ID: **AMW-1**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468009-F
Lab Project ID: 31202468

Collection Date: 08/03/2012 10:10
Received Date: 08/03/2012 13:05
Matrix: Water

Results by SW-846 6010C

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
Lead	**0.00625**	J	0.00541	0.0100	mg/L	1	08/15/2012 16:36
Chromium	**0.00218**	J	0.00147	0.0100	mg/L	1	08/15/2012 16:36

Batch Information

Analytical Batch: **MIP1678**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/15/2012 16:36**

Prep Batch: **MXX2211**
Prep Method: **SW-846 3010A**
Prep Date/Time: **08/06/2012 11:14**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**

Print Date: 08/17/2012

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SGS ANALYTICAL PERSPECTIVES

Results of **Trip Blanks (Not on COC-Water)**

Client Sample ID: **Trip Blanks (Not on COC-Water)**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468010-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 00:00
Received Date: 08/03/2012 13:05
Matrix: Water

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.175	1.00	ug/L	1	08/7/2012 12:29
1,1,1-Trichloroethane	ND	U	0.221	1.00	ug/L	1	08/7/2012 12:29
1,1,2,2-Tetrachloroethane	ND	U	0.223	1.00	ug/L	1	08/7/2012 12:29
1,1,2-Trichloroethane	ND	U	0.216	1.00	ug/L	1	08/7/2012 12:29
1,1-Dichloroethane	ND	U	0.162	1.00	ug/L	1	08/7/2012 12:29
1,1-Dichloroethene	ND	U	0.202	1.00	ug/L	1	08/7/2012 12:29
1,1-Dichloropropene	ND	U	0.176	1.00	ug/L	1	08/7/2012 12:29
1,2,3-Trichlorobenzene	ND	U	0.246	1.00	ug/L	1	08/7/2012 12:29
1,2,3-Trichloropropane	ND	U	0.210	1.00	ug/L	1	08/7/2012 12:29
1,2,4-Trichlorobenzene	ND	U	0.220	1.00	ug/L	1	08/7/2012 12:29
1,2,4-Trimethylbenzene	ND	U	0.179	1.00	ug/L	1	08/7/2012 12:29
1,2-Dibromo-3-chloropropane	ND	U	1.88	5.00	ug/L	1	08/7/2012 12:29
1,2-Dibromoethane	ND	U	0.179	1.00	ug/L	1	08/7/2012 12:29
1,2-Dichlorobenzene	ND	U	0.214	1.00	ug/L	1	08/7/2012 12:29
1,2-Dichloroethane	ND	U	0.139	1.00	ug/L	1	08/7/2012 12:29
1,2-Dichloropropane	ND	U	0.158	1.00	ug/L	1	08/7/2012 12:29
1,3,5-Trimethylbenzene	ND	U	0.159	1.00	ug/L	1	08/7/2012 12:29
1,3-Dichlorobenzene	ND	U	0.180	1.00	ug/L	1	08/7/2012 12:29
1,3-Dichloropropane	ND	U	0.198	1.00	ug/L	1	08/7/2012 12:29
1,4-Dichlorobenzene	ND	U	0.243	1.00	ug/L	1	08/7/2012 12:29
2,2-Dichloropropane	ND	U	0.194	1.00	ug/L	1	08/7/2012 12:29
2-Butanone	ND	U	1.39	25.0	ug/L	1	08/7/2012 12:29
2-Chlorotoluene	ND	U	0.160	1.00	ug/L	1	08/7/2012 12:29
2-Hexanone	ND	U	1.39	5.00	ug/L	1	08/7/2012 12:29
4-Chlorotoluene	ND	U	0.259	1.00	ug/L	1	08/7/2012 12:29
4-Isopropyltoluene	ND	U	0.170	1.00	ug/L	1	08/7/2012 12:29
4-Methyl-2-pentanone	ND	U	1.15	5.00	ug/L	1	08/7/2012 12:29
Acetone	ND	U	2.56	25.0	ug/L	1	08/7/2012 12:29
Benzene	ND	U	0.156	1.00	ug/L	1	08/7/2012 12:29
Bromobenzene	ND	U	0.205	1.00	ug/L	1	08/7/2012 12:29
Bromochloromethane	ND	U	0.134	1.00	ug/L	1	08/7/2012 12:29
Bromodichloromethane	ND	U	0.222	1.00	ug/L	1	08/7/2012 12:29
Bromoform	ND	U	0.208	1.00	ug/L	1	08/7/2012 12:29
Bromomethane	ND	U	0.507	1.00	ug/L	1	08/7/2012 12:29
n-Butylbenzene	ND	U	0.168	1.00	ug/L	1	08/7/2012 12:29
Carbon disulfide	ND	U	0.197	1.00	ug/L	1	08/7/2012 12:29
Carbon tetrachloride	ND	U	0.169	1.00	ug/L	1	08/7/2012 12:29
Chlorobenzene	ND	U	0.158	1.00	ug/L	1	08/7/2012 12:29
Chloroethane	ND	U	0.902	1.00	ug/L	1	08/7/2012 12:29
Chloroform	ND	U	0.205	1.00	ug/L	1	08/7/2012 12:29
Chloromethane	ND	U	0.295	1.00	ug/L	1	08/7/2012 12:29
Dibromochloromethane	ND	U	0.173	1.00	ug/L	1	08/7/2012 12:29
Dibromomethane	ND	U	0.171	1.00	ug/L	1	08/7/2012 12:29
Dichlorodifluoromethane	ND	U	0.283	5.00	ug/L	1	08/7/2012 12:29

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of Trip Blanks (Not on COC-Water)

Client Sample ID: **Trip Blanks (Not on COC-Water)**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468010-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 00:00
Received Date: 08/03/2012 13:05
Matrix: Water

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	0.185	1.00	ug/L	1	08/7/2012 12:29
trans-1,3-Dichloropropene	ND	U	0.167	1.00	ug/L	1	08/7/2012 12:29
Diisopropyl Ether	ND	U	0.134	1.00	ug/L	1	08/7/2012 12:29
Ethyl Benzene	ND	U	0.186	1.00	ug/L	1	08/7/2012 12:29
Hexachlorobutadiene	ND	U	0.365	1.00	ug/L	1	08/7/2012 12:29
Isopropylbenzene (Cumene)	ND	U	0.196	1.00	ug/L	1	08/7/2012 12:29
Methyl iodide	ND	U	0.247	1.00	ug/L	1	08/7/2012 12:29
Methylene chloride	**1.44**	J	0.199	5.00	ug/L	1	08/7/2012 12:29
Naphthalene	ND	U	0.260	1.00	ug/L	1	08/7/2012 12:29
Styrene	ND	U	0.207	1.00	ug/L	1	08/7/2012 12:29
Tetrachloroethene	ND	U	0.225	1.00	ug/L	1	08/7/2012 12:29
Toluene	ND	U	0.180	1.00	ug/L	1	08/7/2012 12:29
Trichloroethene	ND	U	0.199	1.00	ug/L	1	08/7/2012 12:29
Trichlorofluoromethane	ND	U	0.308	1.00	ug/L	1	08/7/2012 12:29
Vinyl chloride	ND	U	0.386	1.00	ug/L	1	08/7/2012 12:29
Xylene (total)	ND	U	0.602	2.00	ug/L	1	08/7/2012 12:29
cis-1,2-Dichloroethene	ND	U	0.179	1.00	ug/L	1	08/7/2012 12:29
m,p-Xylene	ND	U	0.407	2.00	ug/L	1	08/7/2012 12:29
n-Propylbenzene	ND	U	0.185	1.00	ug/L	1	08/7/2012 12:29
o-Xylene	ND	U	0.195	1.00	ug/L	1	08/7/2012 12:29
sec-Butylbenzene	ND	U	0.151	1.00	ug/L	1	08/7/2012 12:29
tert-Butyl methyl ether (MTBE)	ND	U	0.195	1.00	ug/L	1	08/7/2012 12:29
tert-Butylbenzene	ND	U	0.239	1.00	ug/L	1	08/7/2012 12:29
trans-1,2-Dichloroethene	ND	U	0.247	1.00	ug/L	1	08/7/2012 12:29
trans-1,4-Dichloro-2-butene	ND	U	1.25	5.00	ug/L	1	08/7/2012 12:29
Surrogates							
1,2-Dichloroethane-d4	100			64.0-140	%	1	08/7/2012 12:29
4-Bromofluorobenzene	98.0			85.0-115	%	1	08/7/2012 12:29
Toluene d8	103			82.0-117	%	1	08/7/2012 12:29

Batch Information

Analytical Batch: **VMS2453**
Analytical Method: **SW-846 8260B**
Instrument: **MSD3**
Analyst: **BWS**
Analytical Date/Time: **08/07/2012 12:29**

Prep Batch: **VXX3771**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/07/2012 09:36**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

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Results of **Trip Blanks (Not on COC-Soil)**

Client Sample ID: **Trip Blanks (Not on COC-Soil)**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468011-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 00:00
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 100.00

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
1,1,1,2-Tetrachloroethane	ND	U	0.709	5.00	ug/Kg	1	08/6/2012 16:06
1,1,1-Trichloroethane	ND	U	0.754	5.00	ug/Kg	1	08/6/2012 16:06
1,1,2,2-Tetrachloroethane	ND	U	1.17	5.00	ug/Kg	1	08/6/2012 16:06
1,1,2-Trichloroethane	ND	U	1.04	5.00	ug/Kg	1	08/6/2012 16:06
1,1-Dichloroethane	ND	U	0.538	5.00	ug/Kg	1	08/6/2012 16:06
1,1-Dichloroethene	ND	U	1.16	5.00	ug/Kg	1	08/6/2012 16:06
1,1-Dichloropropene	ND	U	0.676	5.00	ug/Kg	1	08/6/2012 16:06
1,2,3-Trichlorobenzene	ND	U	0.832	5.00	ug/Kg	1	08/6/2012 16:06
1,2,3-Trichloropropane	ND	U	1.03	5.00	ug/Kg	1	08/6/2012 16:06
1,2,4-Trichlorobenzene	ND	U	0.729	5.00	ug/Kg	1	08/6/2012 16:06
1,2,4-Trimethylbenzene	ND	U	0.637	5.00	ug/Kg	1	08/6/2012 16:06
1,2-Dibromo-3-chloropropane	ND	U	7.41	30.0	ug/Kg	1	08/6/2012 16:06
1,2-Dibromoethane	ND	U	1.31	5.00	ug/Kg	1	08/6/2012 16:06
1,2-Dichlorobenzene	ND	U	0.711	5.00	ug/Kg	1	08/6/2012 16:06
1,2-Dichloroethane	ND	U	0.913	5.00	ug/Kg	1	08/6/2012 16:06
1,2-Dichloropropane	ND	U	1.15	5.00	ug/Kg	1	08/6/2012 16:06
1,3,5-Trimethylbenzene	ND	U	0.608	5.00	ug/Kg	1	08/6/2012 16:06
1,3-Dichlorobenzene	ND	U	0.719	5.00	ug/Kg	1	08/6/2012 16:06
1,3-Dichloropropane	ND	U	0.879	5.00	ug/Kg	1	08/6/2012 16:06
1,4-Dichlorobenzene	ND	U	0.675	5.00	ug/Kg	1	08/6/2012 16:06
2,2-Dichloropropane	ND	U	0.738	5.00	ug/Kg	1	08/6/2012 16:06
2-Butanone	ND	U	3.38	25.0	ug/Kg	1	08/6/2012 16:06
2-Chlorotoluene	ND	U	0.937	5.00	ug/Kg	1	08/6/2012 16:06
2-Hexanone	ND	U	3.22	12.5	ug/Kg	1	08/6/2012 16:06
4-Chlorotoluene	ND	U	0.756	5.00	ug/Kg	1	08/6/2012 16:06
4-Isopropyltoluene	ND	U	0.645	5.00	ug/Kg	1	08/6/2012 16:06
4-Methyl-2-pentanone	ND	U	3.74	12.5	ug/Kg	1	08/6/2012 16:06
Acetone	ND	U	4.01	50.0	ug/Kg	1	08/6/2012 16:06
Benzene	ND	U	0.711	5.00	ug/Kg	1	08/6/2012 16:06
Bromobenzene	ND	U	0.697	5.00	ug/Kg	1	08/6/2012 16:06
Bromochloromethane	ND	U	0.940	5.00	ug/Kg	1	08/6/2012 16:06
Bromodichloromethane	ND	U	0.704	5.00	ug/Kg	1	08/6/2012 16:06
Bromoform	ND	U	0.724	5.00	ug/Kg	1	08/6/2012 16:06
Bromomethane	ND	U	1.45	5.00	ug/Kg	1	08/6/2012 16:06
n-Butylbenzene	ND	U	0.657	5.00	ug/Kg	1	08/6/2012 16:06
Carbon disulfide	ND	U	0.523	5.00	ug/Kg	1	08/6/2012 16:06
Carbon tetrachloride	ND	U	0.569	5.00	ug/Kg	1	08/6/2012 16:06
Chlorobenzene	ND	U	0.698	5.00	ug/Kg	1	08/6/2012 16:06
Chloroethane	ND	U	1.00	5.00	ug/Kg	1	08/6/2012 16:06
Chloroform	ND	U	0.637	5.00	ug/Kg	1	08/6/2012 16:06
Chloromethane	ND	U	1.43	5.00	ug/Kg	1	08/6/2012 16:06
Dibromochloromethane	ND	U	1.11	5.00	ug/Kg	1	08/6/2012 16:06
Dibromomethane	ND	U	0.882	5.00	ug/Kg	1	08/6/2012 16:06
Dichlorodifluoromethane	ND	U	1.05	5.00	ug/Kg	1	08/6/2012 16:06

Print Date: 08/17/2012

N.C. Certification # 481

SGS ANALYTICAL PERSPECTIVES

Results of Trip Blanks (Not on COC-Soil)

Client Sample ID: **Trip Blanks (Not on COC-Soil)**
Client Project ID: **Stancil Property**
Lab Sample ID: 31202468011-A
Lab Project ID: 31202468

Collection Date: 08/03/2012 00:00
Received Date: 08/03/2012 13:05
Matrix: Soil-Solid as dry weight
Solids (%): 100.00

Results by SW-846 8260B

Parameter	Result	Qual	DL	LOQ/CL	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	U	1.03	5.00	ug/Kg	1	08/6/2012 16:06
trans-1,3-Dichloropropene	ND	U	0.944	5.00	ug/Kg	1	08/6/2012 16:06
Diisopropyl Ether	ND	U	0.821	5.00	ug/Kg	1	08/6/2012 16:06
Ethyl Benzene	ND	U	0.705	5.00	ug/Kg	1	08/6/2012 16:06
Hexachlorobutadiene	ND	U	0.687	5.00	ug/Kg	1	08/6/2012 16:06
Isopropylbenzene (Cumene)	ND	U	0.622	5.00	ug/Kg	1	08/6/2012 16:06
Methyl iodide	ND	U	0.766	5.00	ug/Kg	1	08/6/2012 16:06
Methylene chloride	ND	U	1.05	20.0	ug/Kg	1	08/6/2012 16:06
Naphthalene	ND	U	0.909	5.00	ug/Kg	1	08/6/2012 16:06
Styrene	ND	U	0.576	5.00	ug/Kg	1	08/6/2012 16:06
Tetrachloroethene	ND	U	0.751	5.00	ug/Kg	1	08/6/2012 16:06
Toluene	ND	U	0.688	5.00	ug/Kg	1	08/6/2012 16:06
Trichloroethene	ND	U	0.842	5.00	ug/Kg	1	08/6/2012 16:06
Trichlorofluoromethane	ND	U	1.01	5.00	ug/Kg	1	08/6/2012 16:06
Vinyl chloride	ND	U	0.950	5.00	ug/Kg	1	08/6/2012 16:06
Xylene (total)	ND	U	1.77	10.0	ug/Kg	1	08/6/2012 16:06
cis-1,2-Dichloroethene	ND	U	0.611	5.00	ug/Kg	1	08/6/2012 16:06
m,p-Xylene	ND	U	1.69	10.0	ug/Kg	1	08/6/2012 16:06
n-Propylbenzene	ND	U	0.732	5.00	ug/Kg	1	08/6/2012 16:06
o-Xylene	ND	U	0.766	5.00	ug/Kg	1	08/6/2012 16:06
sec-Butylbenzene	ND	U	0.600	5.00	ug/Kg	1	08/6/2012 16:06
tert-Butyl methyl ether (MTBE)	ND	U	0.795	5.00	ug/Kg	1	08/6/2012 16:06
tert-Butylbenzene	ND	U	0.673	5.00	ug/Kg	1	08/6/2012 16:06
trans-1,2-Dichloroethene	ND	U	0.730	5.00	ug/Kg	1	08/6/2012 16:06
trans-1,4-Dichloro-2-butene	ND	U	4.20	25.0	ug/Kg	1	08/6/2012 16:06
Surrogates							
1,2-Dichloroethane-d4	115			55.0-173	%	1	08/6/2012 16:06
4-Bromofluorobenzene	98.0			23.0-141	%	1	08/6/2012 16:06
Toluene d8	100			57.0-134	%	1	08/6/2012 16:06

Batch Information

Analytical Batch: **VMS2446**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/06/2012 16:06**

Prep Batch: **VXX3763**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/06/2012 15:27**
Prep Initial Wt./Vol.: **5 g**
Prep Extract Vol: **5 mL**

Print Date: 08/17/2012

N.C. Certification # 481

CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES

SGS ANALYTICAL PERSPECTIVES
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Wilmington, NC 28405
+1 910 350 1903
WWW.SGS.COM

CLIENT: ARM
CONTACT: Joe Zurich PHONE NO: 910 270-2949
PROJECT: Stancil Property SITE / PWSID / WBS #:
REPORTS TO: ARM
EMAIL: joe_arm@bellsouth.net
INVOICE TO: ARM QUOTE #
P.O. NUMBER

SGS Reference #: 31202468

PAGE 1 OF 1

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE (C= COMP G= GRAB)	8260 (Preservatives used: NaHSO4 Methanol)	8270 BN (1)	Chromium (1)		8260 (HCL)	6010B Lead & Chromium (HNO3)				REMARKS
	SB-1	8-3-12	0804	Soil	6	G	X	X	X							
	SB-2	8-2-12	1520	Soil	6	G	X	X	X							
	SB-3	8-3-12	0904	Soil	6	G	X	X	X							
	SB-4	8-3-12	0833	Soil	6	G	X	X	X							
	SB-5	8-2-12	1330	Soil	6	G	X	X	X							
	SB-6	8-2-12	1407	Soil	6	G	X	X	X							
	SB-7	8-2-12	1423	Soil	6	G	X	X	X							
	SB-8	8-2-12	1452	Soil	6	G	X	X	X							
	AMW-1	8-3-12	1010	H_2O	6	G		X			X	X				

COLLECTED/RELINQUISHED BY: (1)	DATE	TIME	RECEIVED BY:	REPORT LEVEL:	REQUESTED TURNAROUND TIME:
Joe Zurich	8-3-12			☐ Level I ☐ Level II ☐ Level IV	☐ Rush: ☑ Standard
Relinquished By: (2)	Date	Time	Received By:	SPECIAL DELIVERABLES: State of Origin:	☐ Trust Fund
				☐ DoD ☐ EDD:	Other:
Relinquished By: (3)	Date	Time	Received By:	SPECIAL INSTRUCTIONS: SB-3 short one sodium bisulfate vial. Extra 4oz jar	
Received For Laboratory By:	Date 8-3-12	Time 1305	CoC Seal: INTACT BROKEN ABSENT Sample Receipt Temp: C 1.8	Shipping Carrier: Shipping Ticket No:	Notes:

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **ARM** Work Order No.: **31202468**

Notes:

1. ___ Shipped
   X Hand Delivered

2. X COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   X No Custody Tape

4. X Samples Intact
   ___ Samples Broken / Leaking

5. X Chilled on Receipt Actual Temp.(s) in °C: 1.8°
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. X Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. X Received Within Holding Time
   ___ Not Received Within Holding Time

9. X No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Discrepancies*

10. X No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Comments:

Inspected and Logged in by: JJ
Date: 8/3/12 1215

*NCDENR must be notified when collection, holding time or preservation requirements are not met. MI_11.6

APPENDIX D

STANDARD METHODS OF INVESTIGATION AND DATA EVALUATION

1.0 DATA COLLECTION

1.1 BACKGROUND DATA

Background data and history information relevant to the site investigation is generated through numerous sources. These sources may include, but are not limited to, the following:

- Conversations with the client and regulatory officials involved with the incident.
- Review of pertinent regulatory correspondence.
- Review of previous and existing reports and other technical data.
- Review of available historical records.

1.2 SURVEYS AND POTENTIAL RECEPTOR DATA

Physical survey and potential receptor data is collected in accordance with the intended level of investigation. In general, the purpose is to collect sufficient information for site assessment and corrective action planning. Individual receptors are identified and evaluated in the context of their potential for contaminant impact. Potential receptors of contamination can include surface water bodies, ground water supply wells, and subsurface building structures.

1.2.1 Horizontal Survey

Horizontal survey data is generated using either accepted general field surveying techniques, or existing survey maps; or by using a combination of existing data and field generated information. The survey area generally extends to a point at least 50 feet beyond suspected plume boundaries. A receptor scale survey of a larger area surrounding a site will be made if appropriate and necessary.

1.2.2 Vertical Survey

A vertical survey is conducted at the site typically within an accuracy of 0.01 foot. The datum plane is generally assumed unless otherwise noted. Assumed temporary benchmarks (TBM) are selected near ground level. The vertical survey includes such points as top of all well casings, selected

ground shots, important utility inverts, utility fluid levels, important surface water levels, and other items determined to be significant.

1.3 DRILLING AND MONITORING WELL/PIEZOMETER INSTALLATION

All necessary permits are applied for and obtained in accordance with federal, state, and local requirements prior to any drilling or well construction activities. Wells are installed under applicable licensing requirements, and are designed and constructed in accordance with accepted standards and practices. Any wells purposely installed at off-site locations are previously permitted through appropriate right-of-entry agreements with all necessary property owners and/or their agents.

1.3.1 Drilling Methods and Subsurface Data Collection

Drilling is accomplished utilizing one or more of the following methods:

Auger Drilling

Auger drilling is the preferred, most often used method of subsurface investigation and is accomplished using a truck or trailer mounted drill rig. Continuous flight auger types used vary upon the site and situation; ranging from the 4-inch solid stem to the 8-inch hollow stem. Auger type is selected based upon appropriateness and/or site-specific requirements.

Hand Augering

Hand augering is utilized when economically and scientifically feasible, or when no other method is suitable. Hand augers typically produce three inch diameter holes and are limited to depths of less than 15 feet.

Other Methods

Other drilling methods, such as mud and air rotary, rock coring, cable tool, and large bucket augering are not widely used except under appropriate conditions.

Regardless of the drilling method used, drill rig(s) and all drilling tools are thoroughly cleaned between boreholes to prevent cross introduction of hydrocarbons. Split spoon samples are collected and field-described at intervals of five feet, and cuttings are continuously monitored. A geologist trained in using visual/manual techniques, is always present during drilling and is responsible for subsurface contaminant and geologic data collection. Soils are classified in accordance with the Unified Soils Classification System (USCS).

1.3.2 Well Installation

Wells are typically constructed of threaded PVC casing and screen. No glues or cements are used in joining PVC components. Well diameter, slot sizes, and protective covers vary depending upon site-specific conditions or situation-specific requirements. As-built well construction records are field generated.

1.3.3 Well Development

Wells are developed by over pumping or surging using appropriate pumps, blocks, or bailers. Through development, unwanted fine materials are removed and water generated during development is containerized and properly disposed.

1.4 HYDROGEOLOGIC DATA COLLECTION

Data used to help characterize hydrogeologic conditions at a site are obtained through various procedures including, but not necessarily limited to, those described below:

1.4.1 Regional Geology

Information pertaining to the regional geologic framework is compiled from existing publications, maps, and scientific papers.

1.4.2 Site Geology

Shallow site geology is generally determined from field descriptions and borehole samples. Interpretations with regard to hydrogeologically important contacts, zones, fractures, faults, cleavage, and facies changes are made when possible.

1.4.3 Ground Water Occurrence and Characteristics

Ground water data is obtained utilizing a number of methods and procedures, not limited to the general list below:

<u>Well Water Levels</u>

After well development, wells are allowed to stabilize for a minimum of 24 hours prior to measuring.

The specific gravity of any accumulated product is determined and used to calculate true hydraulic grade from measured water levels. This information is combined with vertical survey data to determine relative potentiometric surface elevations for all wells.

Aquifer Testing

Various aquifer tests may be used to make determinations of hydraulic conductivity. Slug or pumping tests are often used to characterize hydrogeologic conditions and to develop remedial action alternatives utilizing appropriate pumping technologies.

Other Methods

Other methods may be deemed appropriate for determining various ground water characteristics. These other methods may include nested well configurations and/or clustered piezometer installations; sieve or pipette analysis; fracture trace analysis; computer modeling; geophysical logging; and resistivity surveys.

1.5 HYDROCARBON DATA COLLECTION

1.5.1 Collection Methods

Hydrocarbon data is obtained through various methods including, but not limited to, the following:

Field Analysis

- Direct thickness measurement of phase separated components using tapes and/or probes.
- Manual vapor analysis using a field screening instrument.
- Detectable odor and visual observation.

Laboratory Analysis

- Laboratory analysis of phase-separated products.
- Laboratory vapor, soil, and ground water analysis using appropriate EPA methods.

Geophysical Methods

1.5.2 Field Sampling

Field sampling procedures are performed in accordance with recommended protocol and accepted industry standards. Generally, sampling procedures are as follows:

Product Samples

Product samples are obtained using clean equipment and containers. Each is shipped to the analytical laboratory in protective containers.

Vapor Samples

PID/FID readings are measured from headspace using containerized samples which have been brought to ambient temperature.

Carbon tubes are utilized in conjunction with a laboratory calibrated vacuum pump to obtain vapor samples. *The carbon tubes are sealed and refrigerated for shipment to the analytical laboratory (*This method is known as the Carbon Adsorption Method).

Soil Samples

Soil samples are immediately packed into clean containers, and refrigerated for shipment to the analytical laboratory.

Groundwater Samples

Ground water samples are collected in accordance with the following procedures:

- Creeks/Lakes/Etc.

  Grab samples are obtained.

- Domestic Wells

  Wells are pumped for a time sufficient to completely purge the well and any pressure or holding tanks prior to sampling.

- Monitoring Wells

  Water level measurements are made and well volumes calculated for each well.

  Three well volumes are removed from each well using a thoroughly cleaned Teflon bailer or appropriate purging pump. If it is not possible to remove three volumes, due to very low yields, one volume is removed prior to obtaining a sample.

Samples are collected and containerized in a manner which minimizes agitation and contact with the air.

Sampling records are field prepared.

Samples are labeled and proper chain of custody documents are maintained.

Samples are promptly protectively packed, refrigerated, and shipped to the analytical laboratory for analysis.

2.0 DATA EVALUATION

Data obtained as a result of the site investigation is compiled and evaluated and a report is prepared for distribution to the appropriate agencies, on behalf of the client. The data collected is evaluated both individually and in context with the rest of the data collected. Generally, specific data is evaluated as follows:

- Background data is evaluated in context with the suspected or confirmed problem.
- Survey data is utilized to develop site maps and to evaluate contaminant receptors.
- Well construction records are compiled and presented as part of the Site Assessment. As-built information is used in combination with other data to evaluate subsurface conditions and screen settings as they relate to the investigation.
- Subsurface drilling logs are used to develop geologic cross-sections, fence diagrams, isopachs, structure contours, or other constructions. Regional geologic data are used to obtain an overall framework.
- Hydrogeologic data is used to develop contour maps, flow nets and other constructions. The data is also used to calculate various hydrogeologic parameters which describe aquifer characteristics.
- Hydrocarbon data is utilized to develop various plume geometry and isocon maps.
- All data is compiled and utilized for making specific recommendations with regard to remedial action alternatives.