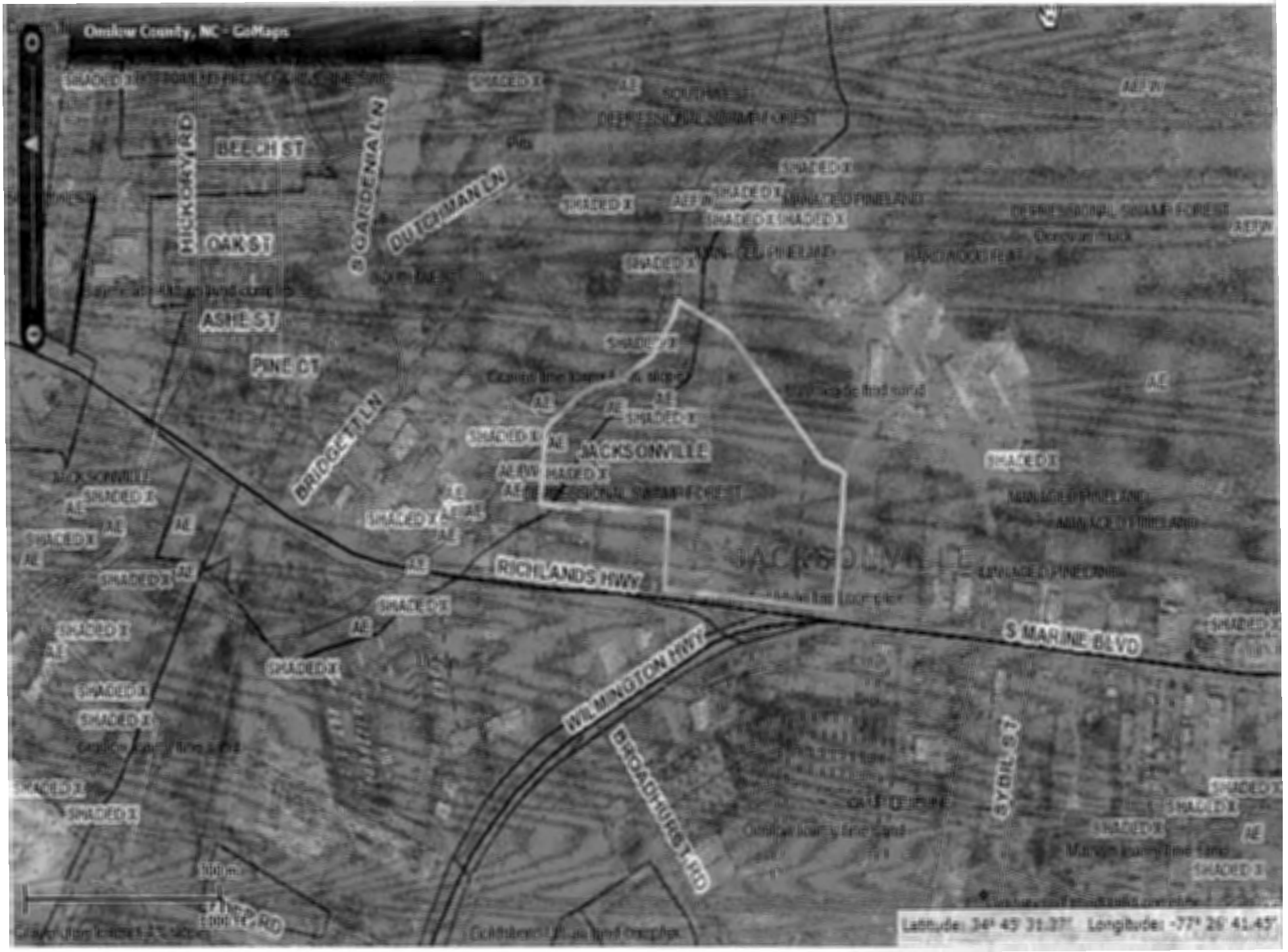
Onslow County, NC - GoMaps
BEECH ST
OAK ST
ASH ST
PINE CT
HICKORY RD
S GARDENIA LN
DUTCHMAN LN
BRIDGETT LN
JACKSONVILLE
RICHLANDS HWY
S MARINE BLVD
WILMINGTON HWY
BROADHURST RD
SYDEL ST
SHADED X
AE
Latitude: 34° 45' 31.37" Longitude: -77° 26' 41.45"

Doc ID: 004468770002 Type: CRP
Recorded: 07/21/2008 at 02:16:29 PM
Fee Amt: $17.00 Page 1 of 2
Onslow County, NC
Maryland K. Washington Reg. of Deeds
BK 3100 PG 205-206

RESOLUTION (2008-31)

STREET CLOSING ORDER

PORTION OF FOREST AVENUE

WHEREAS, G.S. 160A-299 authorizes the City Council of the City of Jacksonville to close public streets and alleys; and

WHEREAS, on the 7th day of May 2008, the City Council of the City of Jacksonville directed the City Clerk to publish in the newspaper once a week for four successive weeks, the Resolution of Intent and notice of Public Hearing, stating that the City Council will consider closing a portion of Forest Avenue, more fully described by survey as follows:

All that 30' street lying or being in the City of Jacksonville, Jacksonville Township, Onslow County, North Carolina and being more particularly described as follows: Beginning at a point in the western margin of Pine Street at the northeast corner of lot 15 of Circle Heights as recorded in Plat Book 2, Page 103, said point being located North 77 degrees 45 minutes 40 seconds East for a distance of 720.18 feet from an NCGS Monument "Connor" having grid coordinates of N = 112,306.595 meters and E = 751,427.418 Meters, and running thence from said Point of Beginning and with the northern line of lots 15, 16, 17 and 18 of said Circle Heights North 84 degrees 58 minutes 55 seconds West for a distance of 200.00 feet to a point; THENCE along the western terminus of Forest Avenue North 05 degrees 00 minutes 21 seconds East for a distance of 30.00 feet to a point at the southwest corner of lot 19 of said Circle Heights; THENCE along the southern line of lots 19, 20, 21 and 22 of said Circle Heights South 84 degrees 58 minutes 55 seconds East for a distance of 200.00 feet to a point in the western margin of said Pine Street; THENCE with the western margin of said Pine Street South 05 degrees 00 minutes 21 seconds West for a distance of 30.00 feet to the Point and Place of BEGINNING; Together with and subject to covenants, easements, and restrictions of record, said property contains 0.138 acres more or less.

And;

WHEREAS, on the 7th day of May 2008, the City Council ordered the City Clerk to notify all abutting property owners as shown on the County tax records by registered or certified mail, and to enclose with such notification a copy of the Resolution of Intent; and

WHEREAS the City Clerk has advised the City Council that there are no abutting property owners to the street portion proposed for closing other than the petitioner, Stancil Builders, Inc. who was notified of the time and place of the Public Hearing; and

WHEREAS, the City Clerk has advised the City Council that adequate notice was posted by signage on Forest Avenue as required by G. S. 160A-299; and

WHEREAS, after full and complete consideration of the matter and after having granted full opportunity for all interested persons to appear and register any objections that they might have with respect to the closing of a portion of Forest Avenue at the Public Hearing held on June 17, 2008; and

WHEREAS, it now appears to the satisfaction of the City Council that the closing of a portion of Forest Avenue is not contrary to the public interest and that no individual owning property, either abutting the street or in the vicinity of the street or in the subdivision in which the street is located, will as a result of the closing be thereby deprived of a reasonable means of ingress and egress to their property;

NOW THEREFORE, subject to the reservation of any and all easements to the City of Jacksonville for utility purposes, the stated portion of Forest Avenue as described herein is hereby ordered closed, and all right, title and interest that may be vested in the public to said area for street purposes is hereby released and quitclaimed to the abutting property owners in accordance with the provisions of G. S. 160A-299.

The Mayor and the City Clerk are hereby authorized to execute quitclaim deeds or other necessary documents in order to evidence vesting of all right, title and interest in those persons owning lots or parcels of land adjacent to the street or alley, such title, for the width of the abutting land owned by them, to extend to the centerline of the street (with provision of reservation of easements to the City of Jacksonville for utility purposes) in accordance with the provision of G. S. 160A-299(c).

The City Clerk is hereby ordered and directed to file in the Office of the Register of Deeds of Onslow County a certified copy of this Resolution and Order.

Upon motion duly made by Mayor Pro-Tem Michael Lazzara, and duly seconded by Council Woman Reve Sullivan, the above Resolution was adopted unanimously by the Jacksonville City Council at a regular meeting held on the 17th day of June, 2008 in the City Council Chambers of the Jacksonville City Hall, 815 New Bridge Street.

Adopted by the Jacksonville City Council in regular session this 17th day of June 2008.

Sammy Phillips, Mayor

ATTEST:

Carmen K. Miracle, City Clerk

STATE OF NORTH CAROLINA
COUNTY OF ONSLOW

I, Yolanda S. Brown, a Notary Public for the aforesaid State and County, hereby certify that Carmen K. Miracle personally came before me this date and acknowledged that she is the City Clerk of the City of Jacksonville, a municipal corporation, and that by authority duly given and as the fact of said corporation, the aforementioned instrument was signed in its name by Sammy Phillips, its Mayor, sealed with its corporate seal and attested by herself as its City Clerk.

Yolanda S. Brown
Notary

My Commission Expires: 12/29/2010

YOLANDA S. BROWN NOTARY PUBLIC ONSLOW COUNTY, NC

Doc ID: 004466770002 Type: CRP
Recorded: 07/21/2008 at 02:16:29 PM
Fee Amt: $17.00 Page 1 of 2
Onslow County, NC
Maryland K. Washington Reg. of Deeds
BK 3100 PG 205-206

RESOLUTION (2008-31)

STREET CLOSING ORDER

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And;

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WHEREAS, the City Clerk has advised the City Council that adequate notice was posted by signage on Forest Avenue as required by G. S. 160A-299; and

WHEREAS, after full and complete consideration of the matter and after having granted full opportunity for all interested persons to appear and register any objections that they might have with respect to the closing of a portion of Forest Avenue at the Public Hearing held on June 17, 2008; and

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The Mayor and the City Clerk are hereby authorized to execute quitclaim deeds or other necessary documents in order to evidence vesting of all right, title and interest in those persons owning lots or parcels of land adjacent to the street or alley, such title, for the width of the abutting land owned by them, to extend to the centerline of the street (with provision of reservation of easements to the City of Jacksonville for utility purposes) in accordance with the provision of G. S. 160A-299(c).

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Adopted by the Jacksonville City Council in regular session this 17th day of June 2008.

Sammy Phillips, Mayor

ATTEST:

Carmen K. Miracle, City Clerk

STATE OF NORTH CAROLINA
COUNTY OF ONSLOW

I, Yolanda S. Brown, a Notary Public for the aforesaid State and County, hereby certify that Carmen K. Miracle personally came before me this date and acknowledged that she is the City Clerk of the City of Jacksonville, a municipal corporation, and that by authority duly given and as the fact of said corporation, the aforementioned instrument was signed in its name by Sammy Phillips, its Mayor, sealed with its corporate seal and attested by herself as its City Clerk.

Yolanda S. Brown
Notary

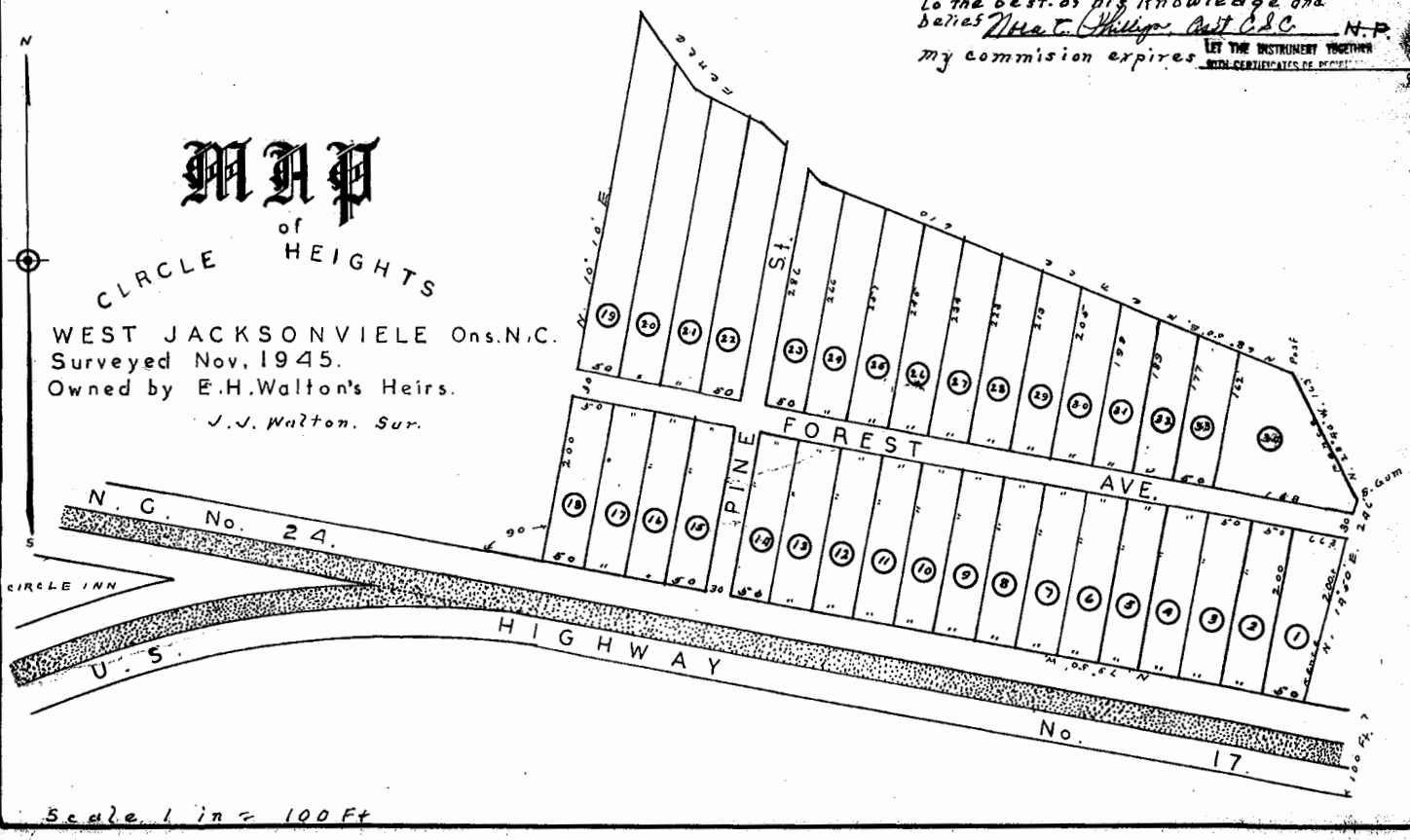
My Commission Expires: 12/29/2010

YOLANDA S. BROWN NOTARY PUBLIC ONSLOW COUNTY, NC

J. J. Walton being duly sworn certifies that this map was made from an actual survey made by him and that same is correct to the best of his knowledge and belief. Nhat T. Phillips, Asst C.S.C. N.P.
My commision expires _____
LET THE INSTRUMENT TOGETHER WITH CERTIFICATES BE PRINTED

MAP of CIRCLE HEIGHTS

WEST JACKSONVILLE Ons. N.C.
Surveyed Nov. 1945.
Owned by E.H. Walton's Heirs.
J.J. Walton. Sur.



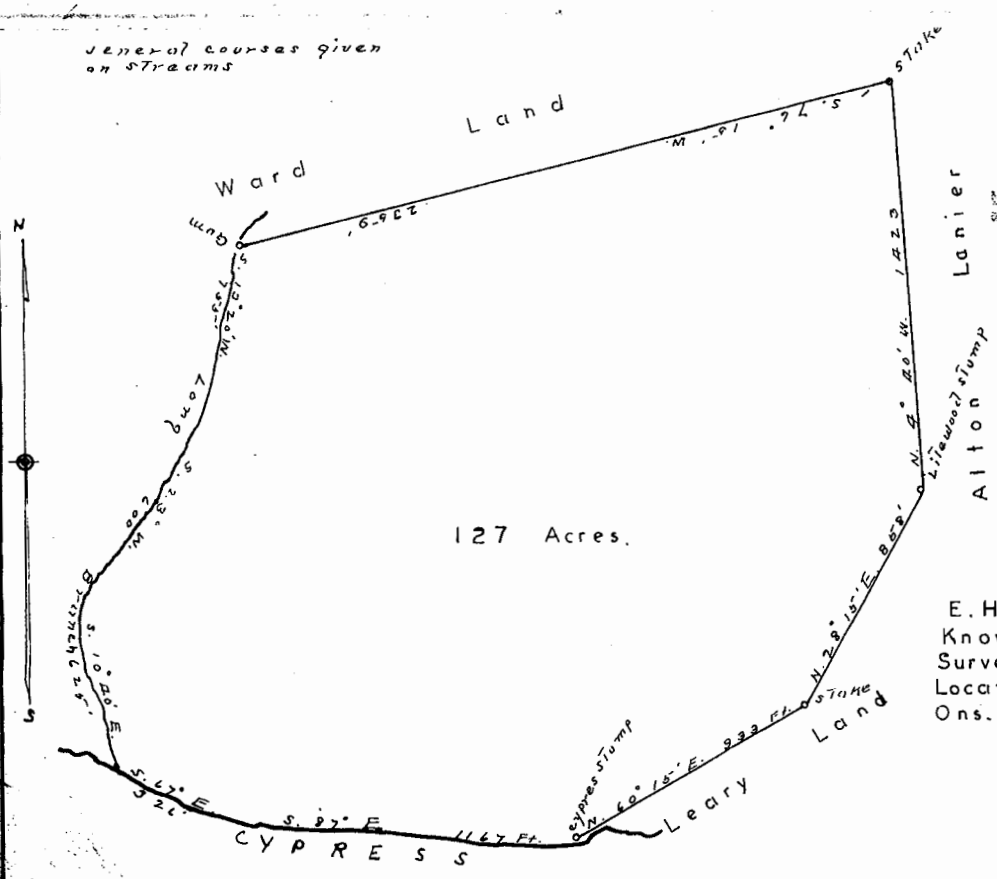
Scale 1 in = 100 Ft

General courses given on streams

J. J. Walton being duly sworn certifies that this map was made from an actual survey made by him and that same is correct to the best of his knowledge and belief. Nhat T. Phillips, Asst C.S.C. N.P.
My commission expires _____

MAP of E.H. WALTON (dec.) LAND

Known as Prescott Land
Surveyed in part 1915 this 1946.
Located in Stump Sound Township
Ons. Co. N.C.
J.J. Walton. Sur.



Scale 1 in = 300 Ft.

Parcel ID: 027867 **Map #: 332-43** **Tax Year: 2012**
Luc: Commercial **Class: Commercial** **NBHD: Hwy. 258/Hwy.24/Hwy.17**
STANCIL BUILDERS INC **540 RICHLANDS HWY**

Sales

Sale Date	Sale Price	Grantor	Grantee
21-JUL-08			
28-OCT-05	668,000		STANCIL BUILDERS INC

Sale Details

1 of 2

Deed Date	21-JUL-08
Book	3100
Page	205
LT #	
Instrument Type	ADES
Grantor	
Grantee	
Sale Date	21-JUL-08
Sale Type	
Sale Validity	-
Sale Source	-
Sale Price	
Adjustment Amount	
Adjusted Price	
Adjustment Reason	
Note 1	DEED FOR STREET CLOSURE
Note 2	

B 2 p 103

Parcel ID: 027867 **Map #: 332-43** **Tax Year: 2012**
Luc: Commercial **Class: Commercial** **NBHD: Hwy. 258/Hwy.24/Hwy.17**
STANCIL BUILDERS INC **540 RICHLANDS HWY**

Parcel

Parcel	027867
Tax Year	2012
Property Addess	540 RICHLANDS HWY
Unit Desc	
Unit #	
NBHD	2144 - Hwy. 258/Hwy.24/Hwy.17
Class	Commercial
Land Use Code	33 - Commercial
Living Units	
Mapping Acres	24.85
CAMA Acres	24.8492
Location	
Fronting	
Zoning	B-1-B-1
Map #	332-43
PIN Number	436607592072
Total Cards	1
Record Type	R

Legal

Legal Description
Township
City Code
Jurisdiction
Plat Book-Page/Subd #

Owner Details

Owner 1
Owner 2
Customer ID
Address

Mailing Address

% Ownership
Nature of Ownership

Disclaimer– Onslow County provides this GIS data as a public service. NO WARRANTY for the availability or accuracy is provided.

Printed:Jul 19, 2012

North Carolina Department of Environment and Natural Resources
Division of Waste Management
UST Section, Corrective Action Branch (CAB)

INSPECTION REPORT

Date: 7/18/12 RISK: LOW Inspector: DTM

Site Name: Stancil Property Incident Number: —
County: Onslow UST Number: WI
Region: WiRO GPS Coordinates: N34.7547 W 77.44899

Site Information Checklist

Facility Information:

Operating facility? Yes (No)
Valid UST permit? ~~Yes No~~ DNA
Number of tanks: ~~Yes No~~ DNA
Site map/well map verified (if no, explain discrepancies in comments section)? (Yes) No
Any visible spills/leaks (if yes, explain in comments section)? (Yes) No
Any visible water supply wells? Yes (No) If yes, distance to closest (ft.)? —
City water (hydrants nearby)

Remediation System(s) Information:

	System 1	System 2	System 3
System type?			
Fully installed?	Yes No	Yes No	Yes No
Operating?	Yes No	Yes No	Yes No
Free product present (verified)?	Yes No	Yes No	Yes No

Was RP/consultant/other on site? Yes (No)

Name of RP: Fred Stancil Builders, Inc. Company:
Name of consultant: Adim Corrette Company: ARM
Name of Other: Company:

Pictures Taken? (Yes) No
Location of photos: S:\UST\photos\trianglemotor

Time spent on site (hrs): _____

Comments: Triangle Motor Company
~~Speculation that it is an aboveground hydraulic lift.~~
there is a fixture that looks like a hydraulic lift. It is very black soil in a 8 inch diameter circle on ground.

(over)

This inspection sheet is to be placed in corresponding incident file upon completion

APPLIED RESOURCE MANAGEMENT, P.C.
P.O. BOX 882
HAMPSTEAD, NORTH CAROLINA 28443
910-270-2919
FAX - 910-270-2988

RECEIVED
JUL 13 2012
By

FACSIMILE TRANSMITTAL SHEET

TO: Deborah Mayo	FROM: Joe Zuncich
COMPANY: NCDENR UST Section	DATE: 7/12/2012
FAX NUMBER: 910-350-2004	TOTAL NO. OF PAGES INCLUDING COVER: 3
PHONE NUMBER: 910-796-7215	SENDER'S REFERENCE NUMBER:
RE: Stancil Property 540 Richlands Hwy Jacksonville, NC	YOUR REFERENCE NUMBER:

☐ URGENT ☑ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Debbie,

Here is the UST-62 form for the 24 release notice. Hardcopy of the report is in the mail. If you need any additional information please give me a call.

Joe Zuncich
Project Manager

1. Notification of Discharge Report

UST-62 **24-Hour Notification of Discharge Form**

For Non-UST Releases of Petroleum in NC

This form should be completed and submitted to the UST Section's regional office following a known or suspected release of petroleum from a source other than an underground storage tank. This form is required to be submitted within 24 hours of discovery of a known or suspected petroleum release

(DWM USE ONLY)
Incident # _____ Priority Rank (H,I,L,U) _____
Received (time/date) _____
Received by _____ Region _____
Reported by (circle one): Phone, Fax or Report

Suspected Contamination? (Y/N) Y
Confirmed GW Contamination? (Y/N) Y
Confirmed Soil Contamination ?(Y/N) Y
Samples taken?(Y/N) Y Free product? (Y/N) N
If Yes(free product), state greatest thickness: _____ feet

Release discovered (time/date): May 24 2012
Confirmed by lab on June 12, 2012

INCIDENT DESCRIPTION

Incident Name: Stancil Property

Address (street number/name): 540 Richlands Highway

County: Onslow

City/Town: Jacksonville

Zip Code: 28540

Regional Office (circle one): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees): 34° 45' 08.55" N Longitude (decimal degrees): 77° 26' 55.83" W

Obtained by:
- ☑ GPS
- ☐ Electronic topographic map
- ☐ GIS Address matching
- ☐ Other
- ☐ Unknown

Describe suspected or confirmed release (nature of release, time/date of release, quantity of release, amount of free product): Release discovered by Geologix, Inc during limited Phase II sampling. Soil contamination was identified above MSCC's. Groundwater contamination above State action limit was also identified.

Describe initial response/abatement (time/date release stopped, cleanup begun/completed, quantity of product soil removed, confirmation sampling): Currently, testing is still in progress at the site.

Describe impacted receptors: Currently unknown at this time.

Describe location:

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

- ☐ Observation of Release at Occurrence
- ☐ Visual or Olfactory Evidence
- ☑ Soil Contamination
- ☐ Groundwater Contamination
- ☐ Water Supply Well Contamination
- ☐ Surface Water Contamination
- ☐ Other (specify) _____

SOURCE OF CONTAMINATION

Source of Release (Check one to indicate primary source)
- ☐ AST (tank)
- ☐ AST Piping/ Dispenser
- ☐ AST Delivery Problem
- ☐ OTR Vehicle Tank
- ☐ OTR Bulk Transport Tank
- ☐ RR Bulk Transport Tank
- ☐ Transformer
- ☐ Unknown
- ☑ Other _____

Definitions presented on reverse

Cause of Release (Check one to indicate primary cause)
- ☐ Spill (Accidental)
- ☐ Spill (Intentional)
- ☐ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Equipment Failure
- ☐ AST Overfill
- ☐ AST Installation Problem
- ☑ Unknown
- ☐ Other _____

Definitions presented on reverse

Type of Release (Check one)
- ☑ Petroleum
- ☐ Both Petroleum & Non-Petroleum

Location (Check one)
- ☑ Facility
- ☐ Residence
- ☐ Highway/Road
- ☐ Railway
- ☐ Other

Product Type Released (Check one to indicate primary petroleum product type released)
- ☐ Gasoline/ Diesel/ Kerosene
- ☐ E11 – E20
- ☐ E21 – E84
- ☐ E85 – E99
- ☐ Ethanol 100%
- ☐ Diesel/Veg. Oil Blend
- ☐ Vegetable Oil 100%
- ☐ Heating Oil
- ☐ Waste Oil
- ☐ Mineral Oil-no PCBs
- ☐ Mineral Oil-PCBs
- ☑ Other Petroleum Products _____

Ownership
1. Municipal 2. Military 3. Unknown (4. Private) 5. Federal 6. County 7. State

Operation Type
1. Public Service 2. Agricultural 3. Residential 4. Education/Relig. 5. Industrial (6. Commercial) 7. Mining

Guidance presented on reverse

Notification of Discharge Report

Appendix A
Report Formats

IMPACT ON DRINKING WATER SUPPLIES

Water Supply Wells Affected? 1. Yes 2. No (3) Unknown Number of Water Supply Wells Affected _____

List of Water Supply Wells Contaminated: (*Include Users Names, Addresses and Phone Numbers. Attach additional sheet if necessary*)
1. Unknown
2.
3.

PARTY RESPONSIBLE FOR RELEASE

(if the source of the release is not an AST system or if it is an AST system and there is a responsible party other than the AST system owner/ operator)

Name of Person/Company		Address	
Fred Stancil (Stancil Building Inc.		466 Stancil Road	
City	State	Zip Code	Telephone Number
Angier	NC	27501	

AST SYSTEM OWNER *(if the source of the release is an AST system)*

AST Owner/Company		Address	
N/A			
City	State	Zip Code	Telephone Number

AST SYSTEM OPERATOR *(if the source of the release is an AST system)*

UST Operator/Company		Address	
N/A			
City	State	Zip Code	Telephone Number

LANDOWNER AT LOCATION OF INCIDENT

Landowner		Address	
Fred Stancil		466 Stancil Road	
City	State	Zip Code	Telephone Number
Angier	NC	27501	

Draw Sketch of Area or Provide Map *(showing incident site, location of release, two major road intersections, potential receptors) Attach sketch or map to form.*

See Attached

Give Directions to Incident Site *Attach directions to form if necessary.*

From Wilmington take Hwy 17 N to Jacksonville. As Hwy 17 branches off take Hwy 17 Bus to the Hwy 258 & Richlands Hwy 4 Intersection. Site is to the immediate North from the Intersection.

Person Reporting Incident: Joseph Lunsford	Company: Applied Resource Management LLC	Telephone Number: 910-270-2916
Title: Project Manager	Address: 257 Transfer Station Rd. Trenton, NC 28443	Date: 7-2-12

UST Form 62 (04/10) Page 2 of 2

Definitions of Sources

AST (Tank): means the tank is used to store product
AST Piping: means the piping and connectors running from the tank to the dispenser or other end-use equipment
AST Dispenser: includes the dispenser and the equipment used to connect the dispenser to the piping
AST Delivery Problem: identifies releases that occurred during product delivery to the tank.
OTR Vehicle Tank: means the tank is used to store product to fuel an over the road vehicle
OTR Bulk Transport Tank: means a tank that is used to transport product in bulk over the road (by truck)
RR :bulk Transport Tank: means a tank that is used to transport product in bulk by train
Transformer: means electrical transformer
Other: serves as the option to use when the release source is known but does not fit into one of the preceding categories
Unknown: identifies releases for which the source has not been determined

Definitions of Causes

Spill (Accidental): use this cause when a spill occurs accidentally(e.g., when the delivery hose is disconnected from a fill pipe)
Spill (Intentional): use this cause when a spill occurs intentionally (e.g., intentional dumping or breakage)
Corrosion: use when a metal tank, piping, or other component has a release due to corrosion
Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion
Equipment failure: use when a release occurs due to equipment failure other than corrosion or physical or mechanical damage
AST Overfill: use when an overfill occurs (e.g., overfills may occur from the fill pipe at the tank or when the nozzle fails to shut off at the dispenser)
AST Installation Problem: use when the problem is determined to have occurred specifically because the AST system was not installed properly
Other: use this option when the cause is known but does not fit into one of the preceding categories
Unknown: use when the cause has not been determined

Guidance: Ownership and Operator Type

Ownership select the category which describes owner of the AST system, bulk transport tank, or other release source
Operator Type select the category which describes the operation in which owner uses the AST system, bulk transport tank, or other release source

Environmental,
Geothermal & Well Drilling

July 2, 2012

NCDENR, DWM
UST Section
Attn.: Ms. Deborah Mayo
127 Cardinal Drive Extension
Wilmington, North Carolina 28405

RECEIVED
JUL 11 2012
By

Re.: 24 Hour Release Notification
Stancil Property
540 Richlands Highways
Jacksonville, North Carolina
Onslow County

Dear Ms. Mayo,

The following information is provided for your review:

Table 1 Soil Sample Results Summary
Table 2 Groundwater Sample Results Summary

Figure 1 Site Vicinity Map
Figure 2 Site Property Map
Figure 3 Aerial Photo With Soil And Groundwater Sampling Locations

Appendix A Laboratory Report With Chain of Custody Record

Geologix, Inc. Limited Phase II Activities

A release was recently discovered during a Limited Phase II Environmental Assessment conducted by GeoLogix, Inc. at the property located at 540 Richlands Highway in Jacksonville, North Carolina. Figure 1 is a Site Vicinity Map showing the project location. Figure 2 is a Site Property Map. 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.

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

Reportedly, some petroleum product, possibly burnt motor oil, was observed staining the surface of the pad, and an odor was present. On May 24, 2012, 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 3). The borings were advanced at approximately fifteen to twenty feet from the possible hydraulic lift in each direction and to depths past five feet below ground surface. 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 3). 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 3. All soil and groundwater samples submitted 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.

Soil Sampling Laboratory Results

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. A Soil Sample Results Summary is provided in Table 1.

Groundwater Sampling Results

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 volatiles and semi-volatiles were found to exceed 2L Standards. 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 each geoprobe borehole with a peristaltic pump and silicon tubing. A Groundwater Sample Results Summary is provided in Table 2. Laboratory results are provided in Appendix B.

July 2, 2012

Summary

In summary, 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 any USTs or ASTs on the subject property. A total of seven soil and groundwater samples were collected on the property.

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 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 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. 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.

If you have questions or require further information, do not hesitate to call.

Sincerely,

Joseph L. Zuncich
Project Manager/ Environmental Geologist

encs.
cc: Mr. Fred Stancil, President
Stancil Builders, Inc.
466 Stancil Road
Angier, North Carolina 27501

TABLES

TABLE 1
SOIL SAMPLE RESULTS SUMMARY
STANCIL PROPERTY
540 RICHLANDS HIGHWAY
JACKSONVILLE, NORTH CAROLINA
SAMPLED ON 5/24/12

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')
EPA METHOD 8260B (concentrations in ppm)									
ACETONE	24	14,000	0.0074	1.3	0.48	0.0088	0.0056	0.036	0.026
METHYLENE CHLORIDE	0.02	85	0.00073 J	0.68	0.25	0.00098 J	0.00066	0.00070	0.00075
1,2,4-TRIMETHYLBENZENE	8.5	782	0.00017	110	67	0.00015	0.00015	0.00016	0.00017
1,3,5-TRIMETHYLBENZENE	8.3	782	0.00020	35	6.5	0.00018	0.00018	0.00019	0.00021
ETHYLBENZENE	4.9	1,560	0.00020	15	16	0.00018	0.00018	0.00019	0.00021
ISOPROPYLBENZENE	1.7	1,564	0.00015	5.3	6.2	0.00039 J	0.00014	0.00014	0.00015
NAPHTHALENE	0.16	313	0.00027	19	20	0.00024	0.00024	0.00026	0.00028
N-BUTYLBENZENE	4.3	626	0.00013	9.6	12	0.00012	0.00012	0.00012	0.00013
N-PROPYLBENZENE	1.7	626	0.00018	15	18	0.00060 J	0.00016	0.00017	0.00018
SEC-BUTYLBENZENE	3.3	626	0.00096	0.88	3.3	0.00084	0.00086	0.00091	0.00098
XYLENES	4.6	3,129	0.00056	19	12	0.00050	0.00051	0.00054	0.00057
ALL OTHER COMPOUNDS	Varies	Varies	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL
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
Bis(2-Ethylhexyl)phthalate	6.6	46	0.042	0.040	0.041	0.042	0.042	0.041	0.041
1-METHYLNAPHTHALENE	NE	NE	0.032	2.5	2.4	0.095 J	1.9	0.031	0.032
2-METHYLNAPHTHALENE	3.6	63	0.033	4.7	4.7	0.12 J	3.7	0.033	0.033
ALL OTHER COMPOUNDS	Varies	Varies	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL

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

TABLE 1 (continued)
SOIL SAMPLE RESULTS SUMMARY
STANCIL PROPERTY
540 RICHLANDS HIGHWAY
JACKSONVILLE, NORTH CAROLINA
SAMPLED ON 5/24/12

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')
EPA METHOD 6010 C (concentrations in ppm)									
CADMIUM	NE	NE	0.0114	0.0113	0.0112	0.0114	NA	NA	NA
LEAD	270	400	5.00	11.5	8.91	12.3	NA	NA	NA
CHROMIUM (TOTAL)	5.4	47	5.14	6.00	5.93	4.87	NA	NA	NA

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
DATE SAMPLED			5/24/12	5/24/12	5/24/12	5/24/12	5/24/12	5/24/12	5/24/12
EPA METHOD 8260B (Concentrations in ppb)									
BENZENE	5,000	1	0.15	3.2	1.5	0.75	0.15	0.15	0.15
TOLUENE	260,000	600	0.14	17	21	6.2	0.14	0.14	0.14
ETHYLBENZENE	84,500	600	10	680	500	460	0.13	0.13	0.13
XYLENES	85,500	500	3.7	950	980	39	0.45	0.45	0.45
4-ISOPROPYLTOLUENE	NE	NE	3.8	16	0.85	5.2	0.085	0.085	0.085
ISOPROPYLBENZENE	25,000	70	24	100	65	120	0.14	0.14	0.14
NAPHTHALENE	6,000	6	11	490	260	480	0.11	0.11	0.11
N-PROPYLBENZENE	30,000	70	51	190	110	240	0.12	0.12	0.12
1,2-DICHLOROBENZENE	20,000	20	0.19	8.0	12	2.9	0.19	0.19	0.19
SEC-BUTYLBENZENE	8,500	70	8.5	0.50	1.0	15	0.10	0.10	0.10
1,2,4-TRIMETHYLBENZENE	28,500	400	74	770	400	33	0.10	0.10	0.10
1,3,5-TRIMETHYLBENZENE	25,000	400	43	180	93	1.5	0.30	0.30	0.30
ALL OTHER COMPOUNDS	Varies	Varies	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL
EPA METHOD 8270 BN (Concentrations in ppb)									
NAPHTHALENE	6,000	6	6.8	220	170	170	1.3	1.3	1.3
1,2-DICHLOROBENZENE	20,000	20	1.1	6.0	9.0	1.1	1.1	1.1	1.1
1-METHYLNAPHTHALENE	NE	NE	15	63	51	45	1.7	1.7	1.7
2,4-DIMETHYLPHENOL	100,000	100	1.3	7.0	6.8	1.3	1.3	1.3	1.3
2-METHYLNAPHTHALENE	12,500	30	13	110	81	67	1.5	1.5	1.5
BIS(2-ETHYLHEXYL) PHTHALATE	170	3	1.7	8.5	8.5	1.7	1.7	1.7	15
ALL OTHER COMPOUNDS	Varies	Varies	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL	BSAL

ppb = parts per million
Shaded gray areas represent non-compliant hydrocarbon concentrations above NC State action limits
NE = Not Established
J = Estimated concentration between Method Detection Limit and Lower Calibration Limit
BSAL = Below State Action Limits

TABLE 2 (continued)
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
DATE SAMPLED			5/24/12	5/24/12	5/24/12	5/24/12	5/24/12	5/24/12	5/24/12
EPA METHOD 6010 C (Concentrations in ppb)									
CADMIUM	NE	2	0.360	0.360	0.360	0.360	NA	NA	NA
LEAD	15,000	15	103	149	143	91.3	NA	NA	NA
CHROMIUM	10,000	10	109	188	197	66.3	NA	NA	NA

Shaded areas represent non-compliant hydrocarbon concentrations
NA = Not Analyzed
NE = Not Established

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	

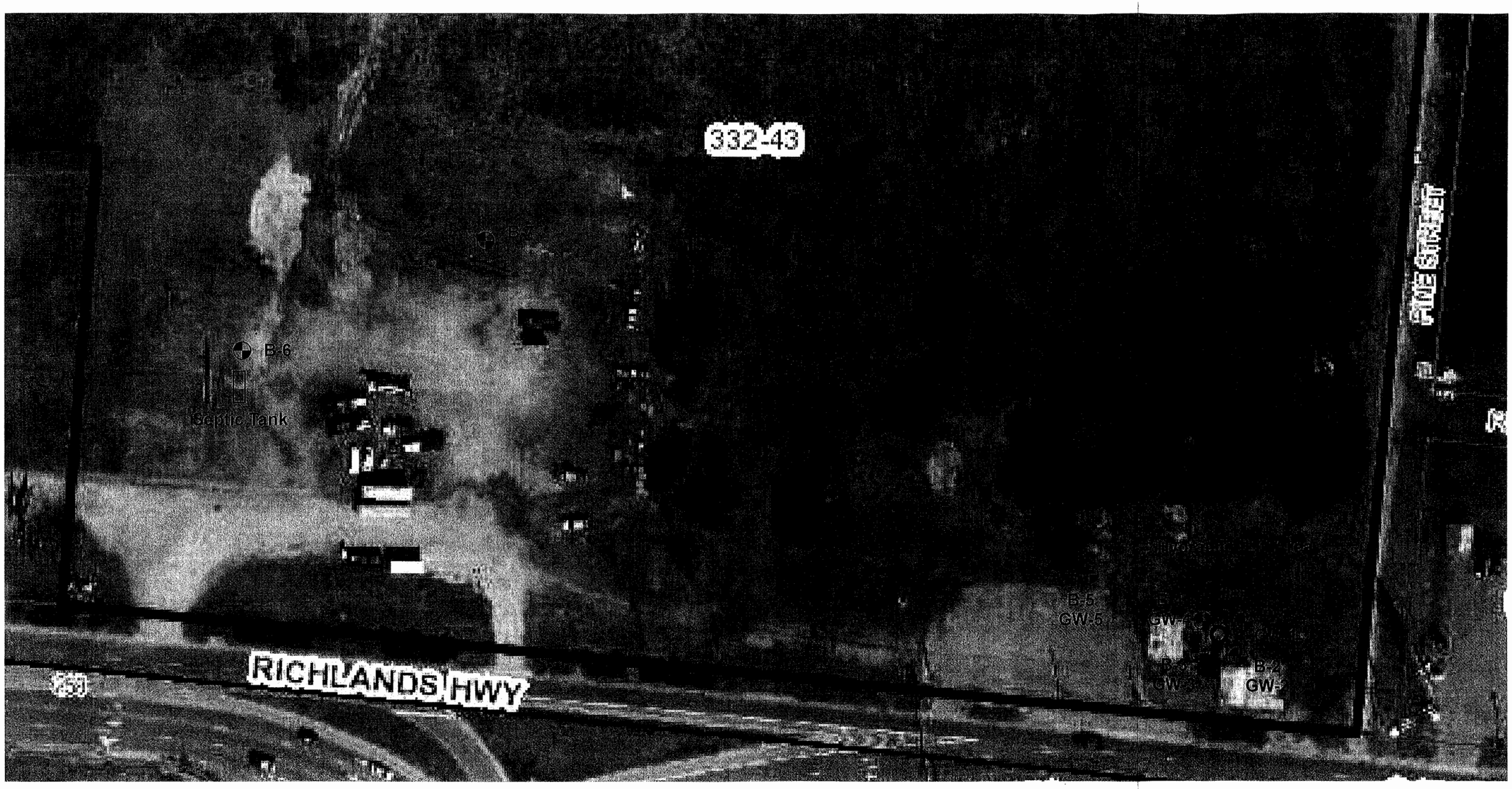
Subject site

N

Adapted from Onslow County On-line GIS.

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

TITLE:				FIGURE:
Site Property Map				2
JOB: 12098	SCALE: NOT TO SCALE	DATE: 7/09/12	DRAWN BY: KLC	



Boring and Well Locations

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: Not To Scale	DATE: 7/9/2012	DRAWN BY: KLC/JLZ	3

APPENDIX A

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

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

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	

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 8260B	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 | **Lab Sample ID:** C205843-01 | **Received:** 05/24/12 16:15

Matrix: Ground Water | **Sampled:** 05/24/12 09:30 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON

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*	

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-6 | **Lab Sample ID:** C205843-06 | **Received:** 05/24/12 16:15

Matrix: Ground Water | **Sampled:** 05/24/12 12:30 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON

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 B260B	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 | **Lab Sample ID:** C205843-08 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 09:30 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% 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 | **Lab Sample ID:** C205843-08 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 09:30 | **Work Order:** C205843

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

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 | **Lab Sample ID:** C205843-09 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 09:45 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% 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] ^	0.2B	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 | **Lab Sample ID:** C205843-09 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 09:45 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% 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 | **Lab Sample ID:** C205843-10 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 10:00 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% 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 B260B	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 | **Lab Sample ID:** C205843-10 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 10:00 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% 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 | **Lab Sample ID:** C205843-11 | **Received:** 05/24/12 16:15

Matrix: Soil | **Sampled:** 05/24/12 10:30 | **Work Order:** C205843

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% 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 | **Lab Sample ID:** C205843-13 | **Received:** 05/24/12 16:15

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

Project: Progress Energy Jacksonville | **Sampled By:** ROB LIVERMON | **% 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	**Lab Sample ID:** C205843-13	**Received:** 05/24/12 16:15
Matrix: Soil	**Sampled:** 05/24/12 12:30	**Work Order:** C205843
Project: Progress Energy Jacksonville	**Sampled By:** ROB LIVERMON	**% 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 | **Lab Sample ID:** C205843-13 | **Received:** 05/24/12 16:15

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

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

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: 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

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	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Fluorene [86-73-7] ^	0.034	U	mg/kg dry	1	0.034	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Hexachlorobenzene [118-74-1] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Hexachlorobutadiene [87-68-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.046	U	mg/kg dry	1	0.046	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Hexachloroethane [67-72-1] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.055	U	mg/kg dry	1	0.055	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Isophorone [78-59-1] ^	0.035	U	mg/kg dry	1	0.035	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Naphthalene [91-20-3] ^	0.033	U	mg/kg dry	1	0.033	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Nitrobenzene [98-95-3] ^	0.031	U	mg/kg dry	1	0.031	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.025	U	mg/kg dry	1	0.025	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.095	U	mg/kg dry	1	0.095	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.063	U	mg/kg dry	1	0.063	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Pentachlorophenol [87-86-5] ^	0.039	U	mg/kg dry	1	0.039	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Phenanthrene [85-01-8] ^	0.032	U	mg/kg dry	1	0.032	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Phenol [108-95-2] ^	0.026	U	mg/kg dry	1	0.026	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Pyrene [129-00-0] ^	0.045	U	mg/kg dry	1	0.045	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	
Pyridine [110-86-1] ^	0.096	U	mg/kg dry	1	0.096	0.39	2F05032	EPA 8270D	06/12/12 05:15	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.0*	*1*	*3.92*	*77 %*	*28-130*	*2F05032*	*EPA 8270D*	*06/12/12 05:15*	*DFM*	
2-Fluorobiphenyl	*1.4*	*1*	*1.96*	*73 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 05:15*	*DFM*	
2-Fluorophenol	*2.1*	*1*	*3.92*	*54 %*	*49-126*	*2F05032*	*EPA 8270D*	*06/12/12 05:15*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*1.96*	*74 %*	*50-117*	*2F05032*	*EPA 8270D*	*06/12/12 05:15*	*DFM*	
Phenol-d5	*2.4*	*1*	*3.92*	*62 %*	*56-120*	*2F05032*	*EPA 8270D*	*06/12/12 05:15*	*DFM*	
Terphenyl-d14	*2.1*	*1*	*1.96*	*106 %*	*36-151*	*2F05032*	*EPA 8270D*	*06/12/12 05:15*	*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-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	

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: C205843-18
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	

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							