



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

June 3, 2011

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 11-0480, Ogeechee River Fish Kill 2011
Superfund Emergency Response and Removal

FROM: Janet Muse
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Jose Negron

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

Semi Volatile Organics (SVOA)

Semivolatile organic compounds

EPA 8270D



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Report Narrative for Work Order E112205, Project: 11-0480

Samples were processed according to the Ecological Assessment Branch's standard operating procedure. Routine tissue sample preparation and analyses for metals were performed by the Inorganic Chemistry Section of the Analytical Support Branch.

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner



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SAMPLES INCLUDED IN THIS REPORT

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
STA02	E112204-01	Fish	5/22/11 11:00	5/23/11 10:56
STA02	E112204-02	Fish	5/22/11 11:05	5/23/11 10:56
STA02	E112204-03	Fish	5/22/11 11:10	5/23/11 10:56
STA02	E112204-04	Fish	5/22/11 11:15	5/23/11 10:56
STA05	E112204-05	Fish	5/22/11 18:10	5/23/11 10:56
STA06	E112205-01	Fish	5/23/11 00:00	5/24/11 10:51



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DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
Q-2	Result greater than MDL but less than MRL.
QI-1	Internal standard was outside of method control limits.
QL-1	Laboratory Control Spike Recovery less than method control limits
QR-1	MRL verification recovery less than lower control limits.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-01

Station ID: OR-02-FI-01

Matrix: Fish

Date Collected: 5/22/11 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
92-52-4	1,1-Biphenyl	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
120-82-1	1,2,4-Trichlorobenzene	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
90-12-0	1-Methylnaphthalene	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
120-83-2	2,4-Dichlorophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
105-67-9	2,4-Dimethylphenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
51-28-5	2,4-Dinitrophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
121-14-2	2,4-Dinitrotoluene	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
606-20-2	2,6-Dinitrotoluene	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
91-58-7	2-Chloronaphthalene	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
95-57-8	2-Chlorophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
91-57-6	2-Methylnaphthalene	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
95-48-7	2-Methylphenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
88-74-4	2-Nitroaniline	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
88-75-5	2-Nitrophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	2.0	U, J, QI-1, QR-1	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
99-09-2	3-Nitroaniline	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
106-47-8	4-Chloroaniline	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
100-01-6	4-Nitroaniline	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
100-02-7	4-Nitrophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
83-32-9	Acenaphthene	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
208-96-8	Acenaphthylene	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D



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Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-01

Station ID: OR-02-FI-01

Matrix: Fish

Date Collected: 5/22/11 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
120-12-7	Anthracene	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
1912-24-9	Atrazine	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
100-52-7	Benzaldehyde	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
56-55-3	Benzo(a)anthracene	0.20	U, J, QI-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
50-32-8	Benzo(a)pyrene	0.20	U, J, QI-1, QL-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
205-99-2	Benzo(b)fluoranthene	0.20	U, J, QI-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	0.20	U, J, QI-1, QL-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
207-08-9	Benzo(k)fluoranthene	0.20	U, J, QI-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
85-68-7	Benzyl butyl phthalate	2.0	U, J, QI-1	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U, J, QI-1	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
105-60-2	Caprolactam	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
86-74-8	Carbazole	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
218-01-9	Chrysene	0.20	U, J, QI-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	0.20	U, J, QI-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
132-64-9	Dibenzofuran	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
84-66-2	Diethyl phthalate	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
131-11-3	Dimethyl phthalate	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
84-74-2	Di-n-butylphthalate	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
117-84-0	Di-n-octylphthalate	2.0	U, J, QI-1	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
206-44-0	Fluoranthene	0.20	U, J, QI-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
86-73-7	Fluorene	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
87-68-3	Hexachlorobutadiene	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
67-72-1	Hexachloroethane	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D



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Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-01

Station ID: OR-02-FI-01

Matrix: Fish

Date Collected: 5/22/11 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
193-39-5	Indeno (1,2,3-cd) pyrene	0.20	U, J, QI-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
78-59-1	Isophorone	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
91-20-3	Naphthalene	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
98-95-3	Nitrobenzene	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
87-86-5	Pentachlorophenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
85-01-8	Phenanthrene	0.20	U	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
108-95-2	Phenol	2.0	U	mg/kg	2.0	5/26/11 18:21	5/27/11 17:20	EPA 8270D
129-00-0	Pyrene	0.20	U, J, QI-1	mg/kg	0.20	5/26/11 18:21	5/27/11 17:20	EPA 8270D
Tentatively Identified Compounds:								
R4-6564	Cholesterol (TIC)	300000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-6589	Decanoic acid (TIC)	3000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-6510	Hexadecanoic acid (TIC)	80000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-8000924	Lauric anhydride (TIC)	2000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-8000964	Niacinamide (TIC)	4000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-6580	Octadecanoic Acid (TIC)	40000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-6534	Octadecenoic Acid (TIC)	70000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-6518	Pentadecanoic acid (TIC)	20000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-6522	Squalene (TIC)	4000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-6573	Tetradecanoic acid (TIC)	9000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D
R4-6501	Unidentified Compound(s)	100000	J	ug/kg		5/26/11 18:21	5/27/11 17:20	EPA 8270D



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Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-02

Station ID: OR-02-FI-02

Matrix: Fish

Date Collected: 5/22/11 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
92-52-4	1,1-Biphenyl	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
120-82-1	1,2,4-Trichlorobenzene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
90-12-0	1-Methylnaphthalene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
120-83-2	2,4-Dichlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
105-67-9	2,4-Dimethylphenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
51-28-5	2,4-Dinitrophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
121-14-2	2,4-Dinitrotoluene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
606-20-2	2,6-Dinitrotoluene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
91-58-7	2-Chloronaphthalene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
95-57-8	2-Chlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
91-57-6	2-Methylnaphthalene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
95-48-7	2-Methylphenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
88-74-4	2-Nitroaniline	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
88-75-5	2-Nitrophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	0.99	U, J, QI-1, QR-1	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
99-09-2	3-Nitroaniline	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
106-47-8	4-Chloroaniline	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
100-01-6	4-Nitroaniline	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
100-02-7	4-Nitrophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
83-32-9	Acenaphthene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
208-96-8	Acenaphthylene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D



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Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-02

Station ID: OR-02-FI-02

Matrix: Fish

Date Collected: 5/22/11 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
120-12-7	Anthracene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
1912-24-9	Atrazine	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
100-52-7	Benzaldehyde	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
56-55-3	Benzo(a)anthracene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
50-32-8	Benzo(a)pyrene	0.099	U, J, QI-1, QL-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
205-99-2	Benzo(b)fluoranthene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	0.099	U, J, QI-1, QL-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
207-08-9	Benzo(k)fluoranthene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
85-68-7	Benzyl butyl phthalate	0.99	U, J, QI-1	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	0.99	U, J, QI-1	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
105-60-2	Caprolactam	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
86-74-8	Carbazole	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
218-01-9	Chrysene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
132-64-9	Dibenzofuran	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
84-66-2	Diethyl phthalate	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
131-11-3	Dimethyl phthalate	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
84-74-2	Di-n-butylphthalate	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
117-84-0	Di-n-octylphthalate	0.99	U, J, QI-1	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
206-44-0	Fluoranthene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
86-73-7	Fluorene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
87-68-3	Hexachlorobutadiene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
67-72-1	Hexachloroethane	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-02

Station ID: OR-02-FI-02

Matrix: Fish

Date Collected: 5/22/11 11:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
193-39-5	Indeno (1,2,3-cd) pyrene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
78-59-1	Isophorone	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
91-20-3	Naphthalene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
98-95-3	Nitrobenzene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
87-86-5	Pentachlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
85-01-8	Phenanthrene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
108-95-2	Phenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 14:56	EPA 8270D
129-00-0	Pyrene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 14:56	EPA 8270D
Tentatively Identified Compounds:								
R4-6564	Cholesterol (TIC)	1000000	NJ	ug/kg		5/26/11 18:21	5/27/11 14:56	EPA 8270D
R4-8000924	Lauric anhydride (TIC)	4000	NJ	ug/kg		5/26/11 18:21	5/27/11 14:56	EPA 8270D
R4-8000964	Niacinamide (TIC)	3000	NJ	ug/kg		5/26/11 18:21	5/27/11 14:56	EPA 8270D
R4-6580	Octadecanoic Acid (TIC)	4000	NJ	ug/kg		5/26/11 18:21	5/27/11 14:56	EPA 8270D
R4-6522	Squalene (TIC)	10000	NJ	ug/kg		5/26/11 18:21	5/27/11 14:56	EPA 8270D
R4-6501	Unidentified Compound(s)	100000	J	ug/kg		5/26/11 18:21	5/27/11 14:56	EPA 8270D



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Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-03

Station ID: OR-02-FI-03

Matrix: Fish

Date Collected: 5/22/11 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	0.17	J, Q-2	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
92-52-4	1,1-Biphenyl	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
120-82-1	1,2,4-Trichlorobenzene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
90-12-0	1-Methylnaphthalene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
120-83-2	2,4-Dichlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
105-67-9	2,4-Dimethylphenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
51-28-5	2,4-Dinitrophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
121-14-2	2,4-Dinitrotoluene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
606-20-2	2,6-Dinitrotoluene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
91-58-7	2-Chloronaphthalene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
95-57-8	2-Chlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
91-57-6	2-Methylnaphthalene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
95-48-7	2-Methylphenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
88-74-4	2-Nitroaniline	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
88-75-5	2-Nitrophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	0.99	U, J, QR-1, QI-1	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
99-09-2	3-Nitroaniline	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
106-47-8	4-Chloroaniline	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
100-01-6	4-Nitroaniline	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
100-02-7	4-Nitrophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
83-32-9	Acenaphthene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
208-96-8	Acenaphthylene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D



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D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-03

Station ID: OR-02-FI-03

Matrix: Fish

Date Collected: 5/22/11 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
120-12-7	Anthracene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
1912-24-9	Atrazine	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
100-52-7	Benzaldehyde	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
56-55-3	Benzo(a)anthracene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
50-32-8	Benzo(a)pyrene	0.099	U, J, QI-1, QL-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
205-99-2	Benzo(b)fluoranthene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	0.099	U, J, QI-1, QL-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
207-08-9	Benzo(k)fluoranthene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
85-68-7	Benzyl butyl phthalate	0.99	U, J, QI-1	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	0.99	U, J, QI-1	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
105-60-2	Caprolactam	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
86-74-8	Carbazole	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
218-01-9	Chrysene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
132-64-9	Dibenzofuran	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
84-66-2	Diethyl phthalate	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
131-11-3	Dimethyl phthalate	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
84-74-2	Di-n-butylphthalate	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
117-84-0	Di-n-octylphthalate	0.99	U, J, QI-1	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
206-44-0	Fluoranthene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
86-73-7	Fluorene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
87-68-3	Hexachlorobutadiene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
67-72-1	Hexachloroethane	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-03

Station ID: OR-02-FI-03

Matrix: Fish

Date Collected: 5/22/11 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
193-39-5	Indeno (1,2,3-cd) pyrene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
78-59-1	Isophorone	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
91-20-3	Naphthalene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
98-95-3	Nitrobenzene	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
87-86-5	Pentachlorophenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
85-01-8	Phenanthrene	0.099	U	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
108-95-2	Phenol	0.99	U	mg/kg	0.99	5/26/11 18:21	5/27/11 18:32	EPA 8270D
129-00-0	Pyrene	0.099	U, J, QI-1	mg/kg	0.099	5/26/11 18:21	5/27/11 18:32	EPA 8270D
Tentatively Identified Compounds:								
R4-6564	Cholesterol (TIC)	800000	NJ	ug/kg		5/26/11 18:21	5/27/11 18:32	EPA 8270D
R4-6589	Decanoic acid (TIC)	6000	NJ	ug/kg		5/26/11 18:21	5/27/11 18:32	EPA 8270D
R4-6510	Hexadecanoic acid (TIC)	100000	NJ	ug/kg		5/26/11 18:21	5/27/11 18:32	EPA 8270D
R4-8000964	Niacinamide (TIC)	8000	NJ	ug/kg		5/26/11 18:21	5/27/11 18:32	EPA 8270D
R4-6580	Octadecanoic Acid (TIC)	60000	NJ	ug/kg		5/26/11 18:21	5/27/11 18:32	EPA 8270D
R4-6534	Octadecenoic Acid (TIC)	200000	NJ	ug/kg		5/26/11 18:21	5/27/11 18:32	EPA 8270D
R4-6518	Pentadecanoic acid (TIC)	3000	NJ	ug/kg		5/26/11 18:21	5/27/11 18:32	EPA 8270D
R4-6501	Unidentified Compound(s)	100000	J	ug/kg		5/26/11 18:21	5/27/11 18:32	EPA 8270D



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D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-04

Station ID: OR-02-FI-04

Matrix: Fish

Date Collected: 5/22/11 11:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
92-52-4	1,1-Biphenyl	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
120-82-1	1,2,4-Trichlorobenzene	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
90-12-0	1-Methylnaphthalene	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
120-83-2	2,4-Dichlorophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
105-67-9	2,4-Dimethylphenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
51-28-5	2,4-Dinitrophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
121-14-2	2,4-Dinitrotoluene	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
606-20-2	2,6-Dinitrotoluene	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
91-58-7	2-Chloronaphthalene	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
95-57-8	2-Chlorophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
91-57-6	2-Methylnaphthalene	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
95-48-7	2-Methylphenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
88-74-4	2-Nitroaniline	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
88-75-5	2-Nitrophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	0.40	U, J, QI-1, QR-1	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
99-09-2	3-Nitroaniline	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
106-47-8	4-Chloroaniline	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
100-01-6	4-Nitroaniline	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
100-02-7	4-Nitrophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
83-32-9	Acenaphthene	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
208-96-8	Acenaphthylene	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-04

Station ID: OR-02-FI-04

Matrix: Fish

Date Collected: 5/22/11 11:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
120-12-7	Anthracene	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
1912-24-9	Atrazine	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
100-52-7	Benzaldehyde	0.061	J, Q-2	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
56-55-3	Benzo(a)anthracene	0.040	U, J, QI-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
50-32-8	Benzo(a)pyrene	0.040	U, J, QI-1, QL-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
205-99-2	Benzo(b)fluoranthene	0.040	U, J, QI-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	0.040	U, J, QI-1, QL-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
207-08-9	Benzo(k)fluoranthene	0.040	U, J, QI-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
100-51-6	Benzyl alcohol	0.062	J, Q-2, QL-1	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
85-68-7	Benzyl butyl phthalate	0.40	U, J, QI-1	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	0.40	U, J, QI-1	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
105-60-2	Caprolactam	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
86-74-8	Carbazole	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
218-01-9	Chrysene	0.040	U, J, QI-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	0.040	U, J, QI-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
132-64-9	Dibenzofuran	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
84-66-2	Diethyl phthalate	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
131-11-3	Dimethyl phthalate	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
84-74-2	Di-n-butylphthalate	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
117-84-0	Di-n-octylphthalate	0.40	U, J, QI-1	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
206-44-0	Fluoranthene	0.040	U, J, QI-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
86-73-7	Fluorene	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
87-68-3	Hexachlorobutadiene	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA02

Lab ID: E112204-04

Station ID: OR-02-FI-04

Matrix: Fish

Date Collected: 5/22/11 11:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-72-1	Hexachloroethane	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	0.040	U, J, QI-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
78-59-1	Isophorone	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
91-20-3	Naphthalene	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
98-95-3	Nitrobenzene	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
87-86-5	Pentachlorophenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
85-01-8	Phenanthrene	0.040	U	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D
108-95-2	Phenol	0.40	U	mg/kg	0.40	5/26/11 18:21	5/27/11 16:08	EPA 8270D
129-00-0	Pyrene	0.040	U, J, QI-1	mg/kg	0.040	5/26/11 18:21	5/27/11 16:08	EPA 8270D

Tentatively Identified Compounds:

R4-6564	Cholesterol (TIC)	1000000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-6589	Decanoic acid (TIC)	2000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-8000966	Eicosatetraenoic acid, methyl ester (TIC)	4000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-8000967	Hexadecenoic acid, eicosyl ester (TIC)	4000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-8000965	Methylimidazolidinedione (TIC)	3000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-8000964	Niacinamide (TIC)	3000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-6580	Octadecanoic Acid (TIC)	3000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-6534	Octadecenoic Acid (TIC)	20000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-6522	Squalene (TIC)	7000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D
R4-6501	Unidentified Compound(s)	4000	J	ug/kg		5/26/11 18:21	5/27/11 16:08	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA05

Lab ID: E112204-05

Station ID: OR-05-FI-05

Matrix: Fish

Date Collected: 5/22/11 18:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
92-52-4	1,1-Biphenyl	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
120-82-1	1,2,4-Trichlorobenzene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
90-12-0	1-Methylnaphthalene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
120-83-2	2,4-Dichlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
105-67-9	2,4-Dimethylphenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
51-28-5	2,4-Dinitrophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
121-14-2	2,4-Dinitrotoluene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
606-20-2	2,6-Dinitrotoluene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
91-58-7	2-Chloronaphthalene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
95-57-8	2-Chlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
91-57-6	2-Methylnaphthalene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
95-48-7	2-Methylphenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
88-74-4	2-Nitroaniline	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
88-75-5	2-Nitrophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	0.39	U, J, QI-1, QR-1	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
99-09-2	3-Nitroaniline	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
106-47-8	4-Chloroaniline	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
100-01-6	4-Nitroaniline	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
100-02-7	4-Nitrophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
83-32-9	Acenaphthene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
208-96-8	Acenaphthylene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA05

Lab ID: E112204-05

Station ID: OR-05-FI-05

Matrix: Fish

Date Collected: 5/22/11 18:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
120-12-7	Anthracene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
1912-24-9	Atrazine	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
100-52-7	Benzaldehyde	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
56-55-3	Benzo(a)anthracene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
50-32-8	Benzo(a)pyrene	0.039	U, J, QI-1, QL-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
205-99-2	Benzo(b)fluoranthene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	0.039	U, J, QI-1, QL-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
207-08-9	Benzo(k)fluoranthene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
85-68-7	Benzyl butyl phthalate	0.39	U, J, QI-1	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	0.39	U, J, QI-1	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
105-60-2	Caprolactam	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
86-74-8	Carbazole	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
218-01-9	Chrysene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
132-64-9	Dibenzofuran	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
84-66-2	Diethyl phthalate	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
131-11-3	Dimethyl phthalate	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
84-74-2	Di-n-butylphthalate	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
117-84-0	Di-n-octylphthalate	0.39	U, J, QI-1	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
206-44-0	Fluoranthene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
86-73-7	Fluorene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
87-68-3	Hexachlorobutadiene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
67-72-1	Hexachloroethane	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA05

Lab ID: E112204-05

Station ID: OR-05-FI-05

Matrix: Fish

Date Collected: 5/22/11 18:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
193-39-5	Indeno (1,2,3-cd) pyrene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
78-59-1	Isophorone	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
91-20-3	Naphthalene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
98-95-3	Nitrobenzene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
87-86-5	Pentachlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
85-01-8	Phenanthrene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
108-95-2	Phenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 16:44	EPA 8270D
129-00-0	Pyrene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 16:44	EPA 8270D
Tentatively Identified Compounds:								
R4-6564	Cholesterol (TIC)	100000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:44	EPA 8270D
R4-6589	Decanoic acid (TIC)	3000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:44	EPA 8270D
R4-6510	Hexadecanoic acid (TIC)	20000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:44	EPA 8270D
R4-8000924	Lauric anhydride (TIC)	1000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:44	EPA 8270D
R4-8000964	Niacinamide (TIC)	2000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:44	EPA 8270D
R4-8000282	Octadecadienoic acid (TIC)	50000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:44	EPA 8270D
R4-6580	Octadecanoic Acid (TIC)	30000	NJ	ug/kg		5/26/11 18:21	5/27/11 16:44	EPA 8270D
R4-6501	Unidentified Compound(s)	30000	J	ug/kg		5/26/11 18:21	5/27/11 16:44	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA06

Lab ID: E112205-01

Station ID: OR-06-FI-06

Matrix: Fish

Date Collected: 5/23/11 0:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
92-52-4	1,1-Biphenyl	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
120-82-1	1,2,4-Trichlorobenzene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
90-12-0	1-Methylnaphthalene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
120-83-2	2,4-Dichlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
105-67-9	2,4-Dimethylphenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
51-28-5	2,4-Dinitrophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
121-14-2	2,4-Dinitrotoluene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
606-20-2	2,6-Dinitrotoluene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
91-58-7	2-Chloronaphthalene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
95-57-8	2-Chlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
91-57-6	2-Methylnaphthalene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
95-48-7	2-Methylphenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
88-74-4	2-Nitroaniline	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
88-75-5	2-Nitrophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	0.39	U, J, QI-1, QR-1	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
99-09-2	3-Nitroaniline	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
106-47-8	4-Chloroaniline	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
100-01-6	4-Nitroaniline	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
100-02-7	4-Nitrophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
83-32-9	Acenaphthene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
208-96-8	Acenaphthylene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA06

Lab ID: E112205-01

Station ID: OR-06-FI-06

Matrix: Fish

Date Collected: 5/23/11 0:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
120-12-7	Anthracene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
1912-24-9	Atrazine	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
100-52-7	Benzaldehyde	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
56-55-3	Benzo(a)anthracene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
50-32-8	Benzo(a)pyrene	0.039	U, J, QI-1, QL-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
205-99-2	Benzo(b)fluoranthene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	0.039	U, J, QI-1, QL-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
207-08-9	Benzo(k)fluoranthene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
85-68-7	Benzyl butyl phthalate	0.39	U, J, QI-1	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	0.39	U, J, QI-1	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
105-60-2	Caprolactam	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
86-74-8	Carbazole	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
218-01-9	Chrysene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
132-64-9	Dibenzofuran	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
84-66-2	Diethyl phthalate	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
131-11-3	Dimethyl phthalate	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
84-74-2	Di-n-butylphthalate	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
117-84-0	Di-n-octylphthalate	0.39	U, J, QI-1	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
206-44-0	Fluoranthene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
86-73-7	Fluorene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
87-68-3	Hexachlorobutadiene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
67-72-1	Hexachloroethane	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D



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D.A.R.T. Id: 11-0480

Project: 11-0480, Ogeechee River Fish Kill 2011 - Reported by Janet Muse

Semi Volatile Organics

Project: 11-0480, Ogeechee River Fish Kill 2011

Sample ID: STA06

Lab ID: E112205-01

Station ID: OR-06-FI-06

Matrix: Fish

Date Collected: 5/23/11 0:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
193-39-5	Indeno (1,2,3-cd) pyrene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
78-59-1	Isophorone	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
91-20-3	Naphthalene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
98-95-3	Nitrobenzene	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
87-86-5	Pentachlorophenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
85-01-8	Phenanthrene	0.039	U	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D
108-95-2	Phenol	0.39	U	mg/kg	0.39	5/26/11 18:21	5/27/11 17:56	EPA 8270D
129-00-0	Pyrene	0.039	U, J, QI-1	mg/kg	0.039	5/26/11 18:21	5/27/11 17:56	EPA 8270D

Tentatively Identified Compounds:

R4-6564	Cholesterol (TIC)	100000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:56	EPA 8270D
R4-8000534	Heptadecanoic acid (TIC)	1000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:56	EPA 8270D
R4-6510	Hexadecanoic acid (TIC)	40000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:56	EPA 8270D
R4-8000964	Niacinamide (TIC)	2000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:56	EPA 8270D
R4-6580	Octadecanoic Acid (TIC)	30000	NJ	ug/kg		5/26/11 18:21	5/27/11 17:56	EPA 8270D
R4-6501	Unidentified Compound(s)	70000	J	ug/kg		5/26/11 18:21	5/27/11 17:56	EPA 8270D