Eco•Systems, Inc.
Consultants, Engineers, and Scientists

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2003 FEB 13 A 11:58

January 17, 2003

Mr. Louis Crawford
Environmental Permits Division - Chemical, Agricultural, and Metal Manufacturing Branch
Mississippi Department of Environmental Quality
Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

Re: ***Semi-Annual Groundwater Sampling Report (S2-2002)***
HWMP No. HW-007-037-278
Grenada Manufacturing Company, Inc./Collins & Aikman Products Company

Dear Mr. Crawford:

The enclosed above-referenced report is submitted on behalf of Grenada Manufacturing Company, Inc. (Grenada Manufacturing) and Collins and Aikman Products Company to the Mississippi Department of Environmental Quality (MDEQ). This report presents the laboratory analytical results for groundwater samples collected during the second semi-annual sampling event (S2-2002) as required by the HWMP No. HW-007-037-278 for the Grenada Manufacturing facility located in Grenada, Mississippi. The sampling was performed on October 22, 2002 for the groundwater monitoring wells installed adjacent to the SWMU#2.

This report may be stored in the binder for the calendar year 2002 provided with the S1-2002 report. If you have any questions, please do not hesitate to call us at (601) 936-4440.

Very truly yours,
Eco-Systems, Inc.

Charles V. Coney, P.G.
Project Manager

Caleb H. Dana, Jr., P.E., CHMM
Principal Engineer

Enclosure

cc: Mr. Don Williams (Grenada Manufacturing, LLC)
Mr. John Devic (Collins & Aikman Products Company)
Mr. Don Webster, EPA

439 Katherine Drive, Suite 2A • Jackson, MS 39232 • Phone (601) 936-4440 • Fax (601) 936-4463

1.0 INTRODUCTION

Eco-Systems, Inc. (Eco-Systems) collected groundwater samples from groundwater monitoring wells located at the closed lagoon at the Grenada Manufacturing, LLC (Grenada Manufacturing) automotive parts plant in Grenada, Mississippi for the Second Semi-Annual event of 2002 (S-2 2002) on October 22, 2002. This work was performed on behalf of Grenada Manufacturing and Collins & Aikman Products Company (Collins & Aikman). This sampling and analysis effort represents the second round of semi-annual sampling for 2002 required under Section IV. F.1 of Grenada Manufacturing's Hazardous Waste Management (HWM) permit No. MSD007037278. This report may be kept in the RCRA Semi-Annual Groundwater Monitoring (SWMU #2) binder provided with the S-1 2002 report.

In March 2001 Grenada Manufacturing received approval from the Mississippi Department of Environmental Quality (MDEQ) to modify their groundwater permit. Beginning with the first semi-annual event of 2001, Grenada Manufacturing no longer samples MWRT-1 as the background well, but instead samples MW-23 as the background well. This change was made based on an evaluation of the groundwater flow patterns, the facility layout and features, the monitoring well locations and constructions, and constituent concentrations. The permit was modified to reflect this change on March 9, 2001.

Background information pertaining to the Site may be referenced in the Fourth Quarter, 1998 RCRA Quarterly Groundwater Monitoring (SWMU #2). Groundwater collection methodologies, sample identification rationale, analytical methods, quality assurance/quality control (QA/QC) procedures, and historical groundwater sampling results for the Site are also included in the Fourth Quarter, 1998 report for reference. Analytical results for the S-2 2002 sampling event are presented as follows:

- Investigative results of the sampling event (Section 2.0), and
- A report summary and conclusions (Section 3.0).

2.0 GROUNDWATER SAMPLING RESULTS

Groundwater samples were collected on October 22, 2002 from the four (4) monitoring wells specified in the modified permit utilizing methods and procedures described in Section 2.0 of the Fourth Quarter, 1998 RCRA Quarterly Groundwater Monitoring (SWMU #2), as well as the Quality Assurance Program Plan (QAPP) Interim Measures Additional Sampling and Equalization Lagoon Closure Monitoring prepared by Arvin Meritor Inc. in November, 2000. Each groundwater sample was analyzed for Appendix IX Volatile Organics and Semivolatile Organics, as well as the eight (8) RCRA Metals as specified in the RCRA permit. As presented below, detectable results of several compounds of concern were identified from groundwater samples collected during this event (Table 1 and Figure 1). Groundwater sample collection report forms are presented in Appendix A.

2.1 APPENDIX IX VOLATILES

As presented in Table 1 and illustrated on Figure 1, groundwater analytical results for all four (4) of the monitoring wells sampled during this event revealed detectable concentrations greater than the laboratory-derived practical quantitation limit (PQL) of at least one (1) of the Appendix IX Volatile Organic Compounds (VOCs). Results are reported in milligrams per liter (mg/L), which is equivalent to parts per million (ppm). Several chlorinated VOCs, including Trichloroethene (TCE), and several potentially associated degradation products, were identified in wells MWRT-2, MWRT-4, MWRT-5, and background monitoring well MW-23. TCE was detected in the samples collected from these wells at levels ranging from 0.230 mg/L in MWRT-4 to 18.00 mg/L in MWRT-2. Several other "degradation products" including 1,1-Dichloroethene (1,1-DCE) and trans-1,2-Dichloroethene (t-1,2-DCE) were identified in the samples collected from the downgradient well (MWRT-4) at levels up to 0.043 mg/L (t-1,2-DCE, MWRT-4). Vinyl Chloride (VC), one of the final chlorinated degradation products of TCE, was detected in samples from MWRT-2, MWRT-4, MWRT-5 and MW-23 at 0.760 mg/L, 0.200 mg/L, 0.0240 mg/L, and 0.140 mg/L, respectively. Tetrachloroethene (PCE) was not detected in any of the samples collected during this monitoring event.

2.2 APPENDIX IX SEMIVOLATILES

As presented in Table 1 and illustrated on Figure 1, Appendix IX Semivolatile Organic Compounds (SVOCs) were detected in samples collected from MWRT-2, MWRT-4, and MW-23. In the sample collected from MWRT-2, pentachlorophenol was detected at 0.0132 mg/L, naphthalene was detected at 0.0012 mg/L, 1,2,4-Trichlorobenzene was detected at 0.0284 mg/L, 2-Methylnaphthalene was detected at 0.0021 mg/L, and 1,2,4,5-Tetrachlorobenzene was detected at 0.0046 mg/L. In the sample collected from MWRT-4, 1,2,4-Trichlorobenzene was detected at 0.0013 mg/L and bis(2-Ethylhexyl)phthalate was detected at 0.0128 mg/L. 1,2,4-Trichlorobenzene was also detected in the sample collected from MW-23 at 0.0028 mg/L. SVOCs were not detected at concentrations above the PQL in MWRT-5.

2.3 SELECT APPENDIX IX METALS

Three (3) of the four (4) monitoring wells sampled during this event revealed detectable levels (greater than the PQL) of at least one (1) of the Appendix IX RCRA Metals. Total Chromium was detected in the groundwater sample collected from MWRT-2 at a concentration of 3.270 mg/L, in the sample collected from MWRT-5 at a concentration of 0.0187 mg/L, and in the sample collected from MW-23 at a concentration of 0.0314 mg/L. All other listed metals were non-detect (less than the PQL) in groundwater samples collected during S-2 2002 (Table 1).

2.4 GROUNDWATER FLOW PATTERNS

Water level elevation data obtained during this event is presented in Table 2. As shown on the potentiometric surface map in Figure 2, flow in the vicinity of the closed Equalization Lagoon is generally to the northwest. This flow pattern appears to be consistent with historical patterns of the Site.

2.5 QA/QC RESULTS

A QA/QC review was performed on all analytical data collected during the current sampling event. QA/QC procedures were performed in accordance with Grenada Manufacturing's QAPP to assure validity of sampling results. A total of one (1) duplicate sample and one (1) trip blank sample was collected. Duplicate sample results are shown in Table 3 and correspond well with the normal sample results also presented for comparison. Results from the trip blank sample are also included in Table 3.

Results below the laboratory PQL have been qualified with a "J" indicating that the result is an estimated value because it is below the adjusted reported limit but above the instrument reporting limit. The PQL was adjusted for samples that required dilution prior to analysis. In general, Eco-Systems concluded that the laboratory analyses were conducted under well-controlled conditions, and with sufficient precision and accuracy to provide accurate analytical results.

3.0 SUMMARY AND CONCLUSIONS

Eco-Systems was commissioned by Grenada Manufacturing LLC and Collins & Aikman Products Company to perform semi-annual groundwater sampling and analysis in accordance with the facility's RCRA permit for the closed Equalization Lagoon. This event represents the second semi-annual sampling event for 2002 required under the permit. Water levels and groundwater samples were collected from four (4) monitoring wells surrounding the regulated unit on October 22, 2002 and analyzed for Appendix IX volatiles, semivolatiles, and selected metals. The groundwater level was also collected from MWRT-1 to assist in determining the potentiometric surface. The analytical results have been presented in tabular form (Table 1) and illustrated in Figure 1 for select compounds of concern. The potentiometric surface and resultant flow patterns were evaluated through the construction of a potentiometric surface map of the Site (Figure 2). Concentrations of TCE in the vicinity of the Lagoon have been illustrated on an isoconcentration map (Figure 3). Based on review of the groundwater data collected during the S-2 2002 event, Eco-Systems presents the following summary and conclusions:

- The industrial solvent TCE was detected in the samples collected from all downgradient compliance wells (MWRT-2, MWRT-4, and MWRT-5) at concentrations of 18.00 mg/L (MWRT-2), 0.230 mg/L (MWRT-4), and 0.350 mg/L (MWRT-5). TCE was detected in the sample collected from the background well MW-23 at a concentration of 4.20 mg/L. TCE concentrations in the samples collected from MWRT-2, MWRT-5, and MW-23 were less than concentrations detected in these same wells during the S-1 2002 sampling event. The TCE concentration detected in the sample collected from MWRT-4 was higher than the concentration detected in the S-1 2002 event, but still indicative of an overall decreasing trend in the concentration of TCE in samples collected from MWRT-4. The Maximum Contaminant Level (MCL) for TCE is 0.005 mg/L. An isoconcentration map for TCE is included as Figure 3.

- Associated chlorinated degradation products were also observed including 1,1-DCE, t-1,2-DCE, and VC. PCE was not detected in samples collected from any of the wells during this monitoring event. Concentrations of VC, the final degradation product of TCE, in the samples from the downgradient compliance wells ranged from 0.024 mg/L in MWRT-5 to 0.760 mg/L in MWRT-2. The Maximum Contaminant Level (MCL; EPA, December 1995) for VC is 0.002 mg/L.

- Appendix IX SVOCs were not detected above the PQL in the sample collected from MWRT-5. 1,2,4-Trichlorobenzene was detected in the sample collected from MW-23 at a concentration of 0.0028 mg/L. SVOCs (Pentachlorophenol, Naphthalene, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene and 2-Methylnapthalene) were detected in the sample collected from MWRT-2 at concentrations up to 0.0284 mg/L (1,2,4-Trichlorobenzene). The concentrations

of SVOCs were not observed above the MCL for each compound with the exception of Pentachlorophenol and 1,2,4,5-Tetrachlorobenzene. Pentachlorophenol was detected at 0.0112 mg/L above the MCL of 0.001 mg/L and 1,2,4,5-Tetrachlorobenzene was detected at 0.0046 mg/L above the MCL of 0.00183 mg/L. However, the results from the analysis of Pentachlorophenol and 1,2,4,5-Tetrachlorobenzene have been qualified as "estimated" because they are below the laboratory PQL of 0.025 mg/L and 0.010 mg/L, respectively. 1,2,4-Trichlorobenzene was detected at a concentration of 0.0013 mg/L and bis(2-Ethylhexyl)phthalate was detected at 0.0128 mg/L in samples collected from MWRT-4. The concentrations observed in the sample collected from MWRT-4 are below the MCL. The results from the analysis of 1,2,4-Trichlorobenzene have also been qualified as "estimated" due to results being below the PQL of 0.010 mg/L.

- The concentration of Chromium (total) in the sample collected from MWRT-2 was 3.27 mg/L. While this concentration is more than the Chromium concentration detected in the sample collected from MWRT-2 in the S-1 2002 event (2.84 mg/L), the concentration of Chromium detected in the sample from MWRT-2 is near the lower end of the range of concentrations detected in samples collected from MWRT-2 during past sampling events. Historical concentrations of Chromium detected in samples collected from MWRT-2 range from 15.7 mg/L (November 1998) to 0.0131 mg/L (October 2001). The concentrations of Chromium detected in the samples collected from MWRT-5 and MW-23 were less than concentrations of Chromium detected in samples collected from these wells during the S-1 2002 event. The Concentration of Chromium decreased from 0.0212 mg/L to 0.0187 mg/L in MWRT-5 and from 1.07 mg/L to 0.0314 mg/L in MW-23. The concentrations of Chromium in MWRT-5 and MW-23 are less than the MCL for Chromium of 0.1 mg/L. Chromium was not detected in MWRT-4 above the PQL.

- Lead was not detected in samples collected from this event. This is a decrease from S-1 2002 when concentrations from samples collected from MW-23 were observed at a level of 0.0054 mg/L. Lead was not detected above the PQL in any of the other samples collected from any of the wells during this monitoring event. The current EPA risk-based action level for Lead is 0.015 mg/L.

- The potentiometric surface map (Figure 2) indicates that groundwater flow across the site is generally to the northwest. This flow pattern appears to be consistent with historical patterns of the Site.

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TABLE 1
GROUNDWATER SAMPLE ANALYTICAL RESULTS
RCRA GROUNDWATER MONITORING - SECOND SEMI-ANNUAL EVENT, OCTOBER 22, 2002
GRENADA MANUFACTURING, LLC
GRENADA, MISSISSIPPI

PARAMETER[1]	PQL[2] (mg/L)	EPA MCL[3] (mg/L)	RESULT CONCENTRATION (mg/L)[4]			
			MWRT-2	MWRT-4	MWRT-5	MW-23
APPENDIX IX VOLATILES (METHOD 8260)						
Acetone	0.010	NC[5]	ND[7]	ND	ND	ND
1,1 - Dichloroethane	0.005	NC	ND	ND	ND	ND
1,1 - Dichloroethene	0.005	0.007	ND	0.0074	ND	ND
trans - 1,2-Dichloroethene	0.005	0.100	ND	0.043	ND	ND
1,2-Dichloropropane	0.005	0.005	ND	ND	ND	ND
Methylene Chloride	0.005	NC	ND	ND	ND	ND
Tetrachloroethene	0.005	NC	ND	ND	ND	ND
1,1,2 - Trichloroethane	0.005	0.005	ND	ND	ND	ND
Trichloroethene	0.025	0.005	18.0	0.230	0.350	4.2
Vinyl Chloride	0.010	0.002	0.760	0.200	0.024	0.140
All Other Compounds	0.005-0.500	-	ND	ND	ND	ND
APPENDIX IX SEMI-VOLATILES (METHOD 8270)						
Pentachlorophenol	0.025	0.001	0.0132J[6]	ND	ND	ND
Naphthalene	0.010	1.460	0.0012J	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	0.07	0.0284	0.0013J[9]	ND	0.0028J
2-Methylnaphthalene	0.010	1.460	0.0021J	ND	ND	ND
All Other Compounds	0.010-0.050	-	0.00460J[8]	0.0128K[10]	ND	ND
APPENDIX IX METALS (METHOD 6000/7000 SERIES)						
Arsenic	0.010	0.05	ND	ND	ND	ND
Barium	0.200	2.00	ND	ND	ND	ND
Cadmium	0.005	0.005	ND	ND	ND	ND
Chromium (total)	0.010	0.1	3.270	ND	0.0187	0.0314
Lead	0.003	0.015	ND	ND	ND	ND
Mercury	0.0002	0.002	ND	ND	ND	ND
Selenium	0.010	0.05	ND	ND	ND	ND
Silver	0.010	0.10	ND	ND	ND	ND

[1] Samples were analyzed for Appendix IX List VOCs, SVOCs, and RCRA Metals. See Appendix C for full list results and detection limits.

[2] PQL = Practical quantitation limit, or detection limit, for the individual analyses. Necessary sample dilution has raised the PQL of the MWRT-2 and MW-23 samples.

[3] MCL = Maximum Contaminant Level established by the Environmental Protection Agency Office of Ground Water and Drinking Water.

[4] Result concentrations are reported in milligrams per liter (mg/L), equivalent to parts per million (ppm).

[5] NC = No Criteria. An MCL has not been established.

[6] J = Analyte detected but below the laboratory-derived reporting limit. Value is estimated.

[7] Result was below the PQL, or "Non-Detect".

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APPENDIX A

GROUNDWATER SAMPLE COLLECTION REPORTS

Eco-Systems, Inc.
Environmental Engineers and Scientists

Groundwater Sample Collection Log

Project Name: Textron
Project Number: CAP22039
Boring ID: MW-23
Site Location: Grenada Manufacturing

Start Date: 10/22/02 Finish Date: 10/22/02
Sample Technician: Spencer Trichell and Charles Coney
Purge/Sample Method: Peristaltic pump
Well Diameter: 2"
Total Depth of Well: 20
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 11.43
Calculated Well Volume ($V=6hd^2$)
(V = vol in gal; D = well diam. in ft): 1.87

Water Level Measurements		
Date	Time	Water Level (TOC)
10/22/02	10:45	8.57

WELL DEVELOPMENT/PURGING DATA

Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (umohs)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
10/22/02 14:38	0.1	6.20	412	24.6	4.6			
14:43	0.25	6.16	450	23.6	4.2			
14:47	0.40	6.19	444	22.8	4.2			
14:50	0.50	6.20	445	22.3	3.7			
14:56	0.6	6.17	437	22.0	4.2			
15:00	0.7	6.19	442	21.9	4.1			

Sample Identification: TAC-SWMU2-GW-23-10

Weather Conditions During Sampling: ~70 F, sunny

Comments:

Signature: Spencer Trichell Date: 12/11/02

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
10/22/02	15:05	40 mL Septa Vials	HCl
		1 L amber	none
		500 mL plastic	HNO_3

Eco-Systems, Inc.
Environmental Engineers and Scientists

Groundwater Sample Collection Log

Project Name: Textron
Project Number: CAP22039
Boring ID: RTMW-2
Site Location: Grenada Manufactuing, Grenada, Mississippi

Start Date: 10/22/02 Finish Date: 10/22/02
Sample Technician: Spencer Trichell and Charles Coney
Purge/Sample Method: Peristaltic pump
Well Diameter: 2"
Total Depth of Well: 20
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 8.09
Calculated Well Volume ($V=6hd^2$)
(V = vol in gal; D = well diam. in ft): 1.33

Water Level Measurements		
Date	Time	Water Level (TOC)
10/22/02	10:45	11.91

WELL DEVELOPMENT/PURGING DATA

Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (umohs)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
10/22/02 13:35	0.10	6.04	439	22.8	0.9			
13:43	0.70	6.02	456	22.7	1.2			
13:48	1.00	5.99	477	22.4	1.4			
13:53	1.30	5.98	474	21.9	0.95			
13:58	1.50	6.00	490	22.2	0.95			

Sample Identification: TAC-SWMU2-GW-02-10

Weather Conditions During Sampling: ~ 70 F, sunny

Comments:

Signature: Spencer Trichell Date: 12/11/02

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
10/22/02	14:00	40 mL Septa Vial	HCl
		1 L Amber	none
		500 mL plastic	HNO_3

Eco-Systems, Inc.
Environmental Engineers and Scientists

Groundwater Sample Collection Log

Project Name: Textron
Project Number: CAP22039
Boring ID: RTMW-4
Site Location: Grenada Manufacturing, Grenada, Mississippi

Start Date: 10/22/02 Finish Date: 10/22/02
Sample Technician: Spencer Trichell and Charles Coney
Purge/Sample Method: Peristaltic pump
Well Diameter: 2"
Total Depth of Well: 20
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 8.03
Calculated Well Volume ($V=6hd^2$)
(V = vol in gal; D = well diam. in ft): 1.32

Water Level Measurements		
Date	Time	Water Level (TOC)
10/22/02	10:45	11.97

WELL DEVELOPMENT/PURGING DATA

Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (umohs)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
10/22/02 11:36	2	6.58	338	23.0	1.24			

Sample Identification: TAC-SWMU2-GW-23-10

Weather Conditions During Sampling: ~ 70 F, sunny

Comments: Well purged dry after 2 gallons due to slow well recovery rate.

Signature: Spencer Trichell Date: 12/11/02

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
10/22/02	15:30	40 mL Septa Vials	HCl
		1 L amber	none
		500 mL plastic	HNO_3

Eco-Systems, Inc.
Environmental Engineers and Scientists

Groundwater Sample Collection Log

Project Name: Textron
Project Number: CAP22039
Boring ID: RTMW-5
Site Location: Grenada Manufacturing, Grenada, Mississippi

Start Date: 10/22/02 Finish Date: 10/22/02
Sample Technician: Spencer Trichell and Charles Coney
Purge/Sample Method: Peristaltic pump
Well Diameter: 2"
Total Depth of Well: 20
Approximate Depth of Water Column
(h= TD of well - water level [TOC]): 8.26
Calculated Well Volume ($V=6hd^2$)
(V = vol in gal; D = well diam. in ft): 1.35

Water Level Measurements		
Date	Time	Water Level (TOC)
10/22/02	10:45	11.74

WELL DEVELOPMENT/PURGING DATA

Date/Time	Cumulative Volume (gal)	pH	Specific Conductivity (umohs)	Temperature (Celsius)	Turbidity (NTU)	D.O. (mg/l)	ORP (mv)	Comments
10/22/02 12:00		6.06	300	21.1	0.26			
12:04		5.92	304	21.1	1.02			
12:07		5.88	308	20.9	1.15			
12:11		5.93	301	21.4	0.95			

Sample Identification: TAC-SWMU2-GW-05-10

Weather Conditions During Sampling: ~ 70 F, sunny

Comments:

Signature: Spencer Trichell Date: 12/11/02

GROUNDWATER SAMPLE CONTAINERS			
Date	Time	Sample Container	Preservative
10/22/02	12:15	40 mL Septa Vial	HCL
		1 L amber	none
		500 mL plastic	HNO_3

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APPENDIX B

ANALYTICAL DATA SHEETS

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
1000 Riverbend Blvd., Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555

November 06, 2002

Mr. Charles Coney
Eco-Systems, Incorporated/MS
439 Katherine Dr.
Suite 2A
Jackson, MS 39232

RE: Lab Project Number: 2015132
Client Project ID: Textron

Dear Mr. Coney:

Enclosed are the analytical results for sample(s) received by the laboratory on October 23, 2002. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Chris McCollery
for

Randy Shackelford
william.shackelford@pacelabs.com
Project Manager

Enclosures

Pace Analytical™
New Orleans Laboratory

Sample Cross Reference Report

www.pacelabs.com

Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Project: Textron

Project No.: 2015132

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
TAC-SWMU2-GW-02-10	20118532	Water	10/22/2002	14:00	10/23/2002	10:15
TAC-SWMU2-GW-02D-10	20118535	Water	10/22/2002	14:00	10/23/2002	10:15
TAC-SWMU2-GW-04-10	20118533	Water	10/22/2002		10/23/2002	10:15
TAC-SWMU2-GW-05-10	20118531	Water	10/22/2002	12:15	10/23/2002	10:15
TAC-SWMU2-GW-23-10	20118534	Water	10/22/2002	15:05	10/23/2002	10:15
TAC-SWMU2-TB10	20118536	Water	10/22/2002		10/23/2002	10:15

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services - Foreign Soil Import (U.S. Territories)

Narrative for Project 2015132

Semi-volatile Organics

Poor recovery for the acid surrogate 2,4,6-tribromophenol was observed in sample 20118533. The sample was re-extracted (11/01/02) outside the hold time (10/29/02). The recovery of 2,4,6-tribromophenol was within laboratory QC limits in the re-extraction; however, the amount of sample that was used for re-extraction was considerably less (400 milliliters) than that used in the original extraction (1000 milliliters). Therefore any matrix effect that was present in the original extract might not be seen in the re-extraction. Both sets of results were submitted.

Report of Laboratory Analysis

Pace Analytical™
New Orleans Laboratory

www.pacelabs.com

Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-05-10 **Site:** None

Project: Textron **Project No.:** 2015132 **Sample Qu:**

Lab ID: 20118531 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT **Units:** ug/L **Target List:** 8270AP9WAT

Collected: 10/22/02 **Received:** 10/23/02

Prep Factor: 1 **Leached:** n/a **Prepared:** 10/24/02 **Analyzed:** 10/29/02 13:20 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		10.0	
208-96-8	Acenaphthylene	1	ND		10.0	
98-86-2	Acetophenone	1	ND		10.0	
53-96-3	2-Acetylaminofluorene	1	ND		10.0	
92-67-1	4-Aminobiphenyl	1	ND		10.0	
62-53-3	Aniline (Benzeneamine)	1	ND		10.0	
120-12-7	Anthracene	1	ND		10.0	
140-57-8	Aramite	1	ND		10.0	
56-55-3	Benzo(a)anthracene	1	ND		10.0	
205-99-2	Benzo(b)fluoranthene	1	ND		10.0	
207-08-9	Benzo(k)fluoranthene	1	ND		10.0	
191-24-2	Benzo(g,h,i)perylene	1	ND		10.0	
50-32-8	Benzo(a)pyrene	1	ND		10.0	
100-51-6	Benzyl alcohol	1	ND		10.0	
101-55-3	4-Bromophenyl-phenylether	1	ND		10.0	
85-68-7	Butylbenzylphthalate	1	ND		10.0	
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)	1	ND		10.0	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		10.0	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		10.0	
111-44-4	bis(2-Chloroethyl) ether	1	ND		10.0	
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND		10.0	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	ND		10.0	
91-58-7	2-Chloronaphthalene	1	ND		10.0	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		10.0	
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		10.0	
218-01-9	Chrysene	1	ND		10.0	
53-70-3	Dibenz(a,h)anthracene	1	ND		10.0	
132-64-9	Dibenzofuran	1	ND		10.0	
84-74-2	Di-n-butylphthalate	1	ND		10.0	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND		10.0	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND		10.0	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	ND		10.0	
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0	

ND denotes Not Detected at or above the adjusted reporting limit.
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11/6/2002 16:49:57

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
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1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-05-10 **Site:** None

Project: Textron **Project No.:** 2015132 **Sample Qu:**

Lab ID: 20118531 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT **Units:** ug/L **Target List:** 8270AP9WAT

Collected: 10/22/02 **Received:** 10/23/02

Prep Factor: 1 **Leached:** n/a **Prepared:** 10/24/02 **Analyzed:** 10/29/02 13:20 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
120-83-2	2,4-Dichlorophenol	1	ND		10.0	
87-65-0	2,6-Dichlorophenol	1	ND		10.0	
84-66-2	Diethylphthalate	1	ND		10.0	
60-11-7	p-(Dimethylamino)azobenzene	1	ND		10.0	
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND		10.0	
119-93-7	3,3'-Dimethylbenzidine	1	ND		10.0	
122-09-8	alpha, alpha- Dimethylphenethylamine	1	ND		10.0	
105-67-9	2,4-Dimethylphenol	1	ND		10.0	
131-11-3	Dimethylphthalate	1	ND		10.0	
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzene)	1	ND		10.0	
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	1	ND		25.0	
51-28-5	2,4-Dinitrophenol	1	ND		25.0	
121-14-2	2,4-Dinitrotoluene	1	ND		10.0	
606-20-2	2,6-Dinitrotoluene	1	ND		10.0	
117-84-0	Di-n-octylphthalate	1	ND		10.0	
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		10.0	
97-63-2	Ethyl methacrylate (2-Propenoic acid)	1	ND		10.0	
62-50-0	Ethyl methanesulfonate	1	ND		10.0	
206-44-0	Fluoranthene	1	ND		10.0	
86-73-7	Fluorene	1	ND		10.0	
118-74-1	Hexachlorobenzene	1	ND		10.0	
87-68-3	Hexachlorobutadiene	1	ND		10.0	
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0	
67-72-1	Hexachloroethane	1	ND		10.0	
70-30-4	Hexachlorophene	1	ND		10.0	
1888-71-7	Hexachloropropene	1	ND		10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		10.0	
78-59-1	Isophorone	1	ND		10.0	
120-58-1	Isosafrole	1	ND		10.0	
91-80-5	Methapyrilene	1	ND		10.0	
56-49-5	3-Methylcholanthrene	1	ND		10.0	
80-62-6	Methyl methacrylate	1	ND		10.0	
66-27-3	Methyl methanesulfonate	1	ND		10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-05-10 **Site:** None

Project: Textron **Project No.:** 2015132 **Sample Qu:**

Lab ID: 20118531 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT **Units:** ug/L **Target List:** 8270AP9WAT

Collected: 10/22/02 **Received:** 10/23/02

Prep Factor: 1 **Leached:** n/a **Prepared:** 10/24/02 **Analyzed:** 10/29/02 13:20 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
91-57-6	2-Methylnaphthalene	1	ND		10.0	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		10.0	
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND	A7	10.0	
91-20-3	Naphthalene	1	ND		10.0	
134-32-7	1-Naphthaleneamine (1-Naphthylamine)	1	ND		10.0	
91-59-8	2-Naphthaleneamine (2-Naphthylamine)	1	ND		10.0	
130-15-4	1,4-Naphthoquinone	1	ND		50.0	
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		25.0	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		25.0	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		25.0	
98-95-3	Nitrobenzene	1	ND		10.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		25.0	
56-57-5	4-Nitroquinoline-1-oxide	1	ND		10.0	
99-55-8	5-Nitro-o-toluidine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
10595-95-6	N-Nitrosomethylethylamine	1	ND		10.0	
59-89-2	N-Nitrosomorpholine	1	ND		10.0	
100-75-4	N-Nitrosopiperidine	1	ND		10.0	
930-55-2	N-Nitrosopyrrolidine	1	ND		10.0	
608-93-5	Pentachlorobenzene	1	ND		10.0	
76-01-7	Pentachloroethane	1	ND		10.0	
82-68-8	Pentachloronitrobenzene	1	ND		10.0	
87-86-5	Pentachlorophenol	1	ND		25.0	
62-44-2	Phenacetin	1	ND		10.0	
85-01-8	Phenanthrene	1	ND		10.0	
108-95-2	Phenol	1	ND		10.0	
106-50-3	p-Phenylenediamine	1	ND		10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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Laboratory Certifications:
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-05-10 | **Site:** None

Project: Textron | **Project No.:** 2015132 | **Sample Qu:**

Lab ID: 20118531 | **Matrix:** Water | **% Moisture:** n/a

Description: None | **Prep Level:** Water | **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT | **Units:** ug/L | **Target List:** 8270AP9WAT

Collected: 10/22/02 | **Received:** 10/23/02

Prep Factor: 1 | **Leached:** n/a | **Prepared:** 10/24/02 | **Analyzed:** 10/29/02 13:20 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
109-06-8	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	1	ND		10.0	
110-86-1	Pyridine	1	ND		10.0	
94-59-7	Safrole	1	ND		10.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		10.0	
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		10.0	
95-53-4	o-Toluidine	1	ND		10.0	
120-82-1	1,2,4-Trichlorobenzene	1	ND		10.0	
95-95-4	2,4,5-Trichlorophenol	1	ND		25.0	
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0	
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitrobenzene)	1	ND		10.0	

111 compound(s) reported

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Phone: 504.469.0333
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Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-02-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118532
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 14:34 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		10.0	
208-96-8	Acenaphthylene	1	ND		10.0	
98-86-2	Acetophenone	1	ND		10.0	
53-96-3	2-Acetylaminofluorene	1	ND		10.0	
92-67-1	4-Aminobiphenyl	1	ND		10.0	
62-53-3	Aniline (Benzeneamine)	1	ND		10.0	
120-12-7	Anthracene	1	ND		10.0	
140-57-8	Aramite	1	ND		10.0	
56-55-3	Benzo(a)anthracene	1	ND		10.0	
205-99-2	Benzo(b)fluoranthene	1	ND		10.0	
207-08-9	Benzo(k)fluoranthene	1	ND		10.0	
191-24-2	Benzo(g,h,i)perylene	1	ND		10.0	
50-32-8	Benzo(a)pyrene	1	ND		10.0	
100-51-6	Benzyl alcohol	1	ND		10.0	
101-55-3	4-Bromophenyl-phenylether	1	ND		10.0	
85-68-7	Butylbenzylphthalate	1	ND		10.0	
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)	1	ND		10.0	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		10.0	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		10.0	
111-44-4	bis(2-Chloroethyl) ether	1	ND		10.0	
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND		10.0	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	ND		10.0	
91-58-7	2-Chloronaphthalene	1	ND		10.0	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		10.0	
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		10.0	
218-01-9	Chrysene	1	ND		10.0	
53-70-3	Dibenz(a,h)anthracene	1	ND		10.0	
132-64-9	Dibenzofuran	1	ND		10.0	
84-74-2	Di-n-butylphthalate	1	ND		10.0	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND		10.0	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND		10.0	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	ND		10.0	
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0	

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Laboratory Certifications:
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-02-10 | **Site:** None

Project: Textron | **Project No.:** 2015132 | **Sample Qu:**

Lab ID: 20118532 | **Matrix:** Water | **% Moisture:** n/a

Description: None | **Prep Level:** Water | **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT | **Units:** ug/L | **Target List:** 8270AP9WAT

Collected: 10/22/02 | **Received:** 10/23/02

Prep Factor: 1 | **Leached:** n/a | **Prepared:** 10/24/02 | **Analyzed:** 10/29/02 14:34 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
120-83-2	2,4-Dichlorophenol	1	ND		10.0	
87-65-0	2,6-Dichlorophenol	1	ND		10.0	
84-66-2	Diethylphthalate	1	ND		10.0	
60-11-7	p-(Dimethylamino)azobenzene	1	ND		10.0	
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND		10.0	
119-93-7	3,3'-Dimethylbenzidine	1	ND		10.0	
122-09-8	alpha, alpha- Dimethylphenethylamine	1	ND		10.0	
105-67-9	2,4-Dimethylphenol	1	ND		10.0	
131-11-3	Dimethylphthalate	1	ND		10.0	
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzene)	1	ND		10.0	
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	1	ND		25.0	
51-28-5	2,4-Dinitrophenol	1	ND		25.0	
121-14-2	2,4-Dinitrotoluene	1	ND		10.0	
606-20-2	2,6-Dinitrotoluene	1	ND		10.0	
117-84-0	Di-n-octylphthalate	1	ND		10.0	
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		10.0	
97-63-2	Ethyl methacrylate (2-Propenoic acid)	1	ND		10.0	
62-50-0	Ethyl methanesulfonate	1	ND		10.0	
206-44-0	Fluoranthene	1	ND		10.0	
86-73-7	Fluorene	1	ND		10.0	
118-74-1	Hexachlorobenzene	1	ND		10.0	
87-68-3	Hexachlorobutadiene	1	ND		10.0	
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0	
67-72-1	Hexachloroethane	1	ND		10.0	
70-30-4	Hexachlorophene	1	ND		10.0	
1888-71-7	Hexachloropropene	1	ND		10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		10.0	
78-59-1	Isophorone	1	ND		10.0	
120-58-1	Isosafrole	1	ND		10.0	
91-80-5	Methapyrilene	1	ND		10.0	
56-49-5	3-Methylcholanthrene	1	ND		10.0	
80-62-6	Methyl methacrylate	1	ND		10.0	
66-27-3	Methyl methanesulfonate	1	ND		10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-02-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118532
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 14:34 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
91-57-6	2-Methylnaphthalene	1	2.10 J		10.0	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		10.0	
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND	A7	10.0	
91-20-3	Naphthalene	1	1.20 J		10.0	
134-32-7	1-Naphthaleneamine (1-Naphthylamine)	1	ND		10.0	
91-59-8	2-Naphthaleneamine (2-Naphthylamine)	1	ND		10.0	
130-15-4	1,4-Naphthoquinone	1	ND		50.0	
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		25.0	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		25.0	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		25.0	
98-95-3	Nitrobenzene	1	ND		10.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		25.0	
56-57-5	4-Nitroquinoline-1-oxide	1	ND		10.0	
99-55-8	5-Nitro-o-toluidine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
10595-95-6	N-Nitrosomethylethylamine	1	ND		10.0	
59-89-2	N-Nitrosomorpholine	1	ND		10.0	
100-75-4	N-Nitrosopiperidine	1	ND		10.0	
930-55-2	N-Nitrosopyrrolidine	1	ND		10.0	
608-93-5	Pentachlorobenzene	1	ND		10.0	
76-01-7	Pentachloroethane	1	ND		10.0	
82-68-8	Pentachloronitrobenzene	1	ND		10.0	
87-86-5	Pentachlorophenol	1	13.2 J		25.0	
62-44-2	Phenacetin	1	ND		10.0	
85-01-8	Phenanthrene	1	ND		10.0	
108-95-2	Phenol	1	ND		10.0	
106-50-3	p-Phenylenediamine	1	ND		10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services - Foreign Soil Import (U.S. Territories)

Report of Laboratory Analysis

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Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-02-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118532
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 14:34 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
109-06-8	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	1	ND		10.0	
110-86-1	Pyridine	1	ND		10.0	
94-59-7	Safrole	1	ND		10.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	1	4.60	J	10.0	
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		10.0	
95-53-4	o-Toluidine	1	ND		10.0	
120-82-1	1,2,4-Trichlorobenzene	1	28.4		10.0	
95-95-4	2,4,5-Trichlorophenol	1	ND		25.0	
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0	
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitrobenzene)	1	ND		10.0	

111 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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11/6/2002 16:49:59

Laboratory Certifications:
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Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-04-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118533
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 15:11 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND	N	10.0	
208-96-8	Acenaphthylene	1	ND	N	10.0	
98-86-2	Acetophenone	1	ND	N	10.0	
53-96-3	2-Acetylaminofluorene	1	ND	N	10.0	
92-67-1	4-Aminobiphenyl	1	ND	N	10.0	
62-53-3	Aniline (Benzeneamine)	1	ND	N	10.0	
120-12-7	Anthracene	1	ND	N	10.0	
140-57-8	Aramite	1	ND	N	10.0	
56-55-3	Benzo(a)anthracene	1	ND	N	10.0	
205-99-2	Benzo(b)fluoranthene	1	ND	N	10.0	
207-08-9	Benzo(k)fluoranthene	1	ND	N	10.0	
191-24-2	Benzo(g,h,i)perylene	1	ND	N	10.0	
50-32-8	Benzo(a)pyrene	1	ND	N	10.0	
100-51-6	Benzyl alcohol	1	ND	N	10.0	
101-55-3	4-Bromophenyl-phenylether	1	ND	N	10.0	
85-68-7	Butylbenzylphthalate	1	ND	N	10.0	
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)	1	ND	N	10.0	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND	N	10.0	
111-91-1	bis(2-Chloroethoxy)methane	1	ND	N	10.0	
111-44-4	bis(2-Chloroethyl) ether	1	ND	N	10.0	
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND	N	10.0	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	ND	N	10.0	
91-58-7	2-Chloronaphthalene	1	ND	N	10.0	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND	N	10.0	
7005-72-3	4-Chlorophenyl phenyl ether	1	ND	N	10.0	
218-01-9	Chrysene	1	ND	N	10.0	
53-70-3	Dibenz(a,h)anthracene	1	ND	N	10.0	
132-64-9	Dibenzofuran	1	ND	N	10.0	
84-74-2	Di-n-butylphthalate	1	ND	N	10.0	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND	N	10.0	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND	N	10.0	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	ND	N	10.0	
91-94-1	3,3'-Dichlorobenzidine	1	ND	N	20.0	

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11/6/2002 16:49:59

Laboratory Certifications:
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Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-04-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118533
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 15:11 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
120-83-2	2,4-Dichlorophenol	1	ND	N	10.0	
87-65-0	2,6-Dichlorophenol	1	ND	N	10.0	
84-66-2	Diethylphthalate	1	ND	N	10.0	
60-11-7	p-(Dimethylamino)azobenzene	1	ND	N	10.0	
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND	N	10.0	
119-93-7	3,3'-Dimethylbenzidine	1	ND	N	10.0	
122-09-8	alpha, alpha- Dimethylphenethylamine	1	ND	N	10.0	
105-67-9	2,4-Dimethylphenol	1	ND	N	10.0	
131-11-3	Dimethylphthalate	1	ND	N	10.0	
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzene)	1	ND	N	10.0	
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	1	ND	N	25.0	
51-28-5	2,4-Dinitrophenol	1	ND	N	25.0	
121-14-2	2,4-Dinitrotoluene	1	ND	N	10.0	
606-20-2	2,6-Dinitrotoluene	1	ND	N	10.0	
117-84-0	Di-n-octylphthalate	1	ND	N	10.0	
117-81-7	bis(2-Ethylhexyl)phthalate	1	12.8	N	10.0	
97-63-2	Ethyl methacrylate (2-Propenoic acid)	1	ND	N	10.0	
62-50-0	Ethyl methanesulfonate	1	ND	N	10.0	
206-44-0	Fluoranthene	1	ND	N	10.0	
86-73-7	Fluorene	1	ND	N	10.0	
118-74-1	Hexachlorobenzene	1	ND	N	10.0	
87-68-3	Hexachlorobutadiene	1	ND	N	10.0	
77-47-4	Hexachlorocyclopentadiene	1	ND	N	10.0	
67-72-1	Hexachloroethane	1	ND	N	10.0	
70-30-4	Hexachlorophene	1	ND	N	10.0	
1888-71-7	Hexachloropropene	1	ND	N	10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND	N	10.0	
78-59-1	Isophorone	1	ND	N	10.0	
120-58-1	Isosafrole	1	ND	N	10.0	
91-80-5	Methapyrilene	1	ND	N	10.0	
56-49-5	3-Methylcholanthrene	1	ND	N	10.0	
80-62-6	Methyl methacrylate	1	ND	N	10.0	
66-27-3	Methyl methanesulfonate	1	ND	N	10.0	

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1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-04-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118533
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 15:11 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
91-57-6	2-Methylnaphthalene	1	ND	N	10.0	
95-48-7	2-Methylphenol (o-Cresol)	1	ND	N	10.0	
108-39-4	3-Methylphenol (m-Cresol)	1	ND	N A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND	N A7	10.0	
91-20-3	Naphthalene	1	ND	N	10.0	
134-32-7	1-Naphthaleneamine (1-Naphthylamine)	1	ND	N	10.0	
91-59-8	2-Naphthaleneamine (2-Naphthylamine)	1	ND	N	10.0	
130-15-4	1,4-Naphthoquinone	1	ND	N	50.0	
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND	N	25.0	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND	N	25.0	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND	N	25.0	
98-95-3	Nitrobenzene	1	ND	N	10.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND	N	10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND	N	25.0	
56-57-5	4-Nitroquinoline-1-oxide	1	ND	N	10.0	
99-55-8	5-Nitro-o-toluidine	1	ND	N	10.0	
55-18-5	N-Nitrosodiethylamine	1	ND	N	10.0	
62-75-9	N-Nitrosodimethylamine	1	ND	N	10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND	N	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND	N	10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	N A10	10.0	
10595-95-6	N-Nitrosomethylethylamine	1	ND	N	10.0	
59-89-2	N-Nitrosomorpholine	1	ND	N	10.0	
100-75-4	N-Nitrosopiperidine	1	ND	N	10.0	
930-55-2	N-Nitrosopyrrolidine	1	ND	N	10.0	
608-93-5	Pentachlorobenzene	1	ND	N	10.0	
76-01-7	Pentachloroethane	1	ND	N	10.0	
82-68-8	Pentachloronitrobenzene	1	ND	N	10.0	
87-86-5	Pentachlorophenol	1	ND	N	25.0	
62-44-2	Phenacetin	1	ND	N	10.0	
85-01-8	Phenanthrene	1	ND	N	10.0	
108-95-2	Phenol	1	ND	N	10.0	
106-50-3	p-Phenylenediamine	1	ND	N	10.0	

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Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-04-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118533
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 15:11 AKE

CAS Number	Parameter	Dilution	Result		Qu	Reporting Limit	Reg. Limit
109-06-8	2-Picoline (2-Methylpyridine)	1	ND		N	10.0	
23950-58-5	Pronamide	1	ND		N	10.0	
129-00-0	Pyrene	1	ND		N	10.0	
110-86-1	Pyridine	1	ND		N	10.0	
94-59-7	Safrole	1	ND		N	10.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		N	10.0	
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		N	10.0	
95-53-4	o-Toluidine	1	ND		N	10.0	
120-82-1	1,2,4-Trichlorobenzene	1	1.30	J	N	10.0	
95-95-4	2,4,5-Trichlorophenol	1	ND		N	25.0	
88-06-2	2,4,6-Trichlorophenol	1	ND		N	10.0	
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitrobenzene)	1	ND		N	10.0	

111 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-04-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118533RE
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 2.5
Leached: n/a
Prepared: 11/01/02
Analyzed: 11/04/02 13:06 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND	N	25.0	
208-96-8	Acenaphthylene	1	ND	N	25.0	
98-86-2	Acetophenone	1	ND	N	25.0	
53-96-3	2-Acetylaminofluorene	1	ND	N	25.0	
92-67-1	4-Aminobiphenyl	1	ND	N	25.0	
62-53-3	Aniline (Benzeneamine)	1	ND	N	25.0	
120-12-7	Anthracene	1	ND	N	25.0	
140-57-8	Aramite	1	ND	N	25.0	
56-55-3	Benzo(a)anthracene	1	ND	N	25.0	
205-99-2	Benzo(b)fluoranthene	1	ND	N	25.0	
207-08-9	Benzo(k)fluoranthene	1	ND	N	25.0	
191-24-2	Benzo(g,h,i)perylene	1	ND	N	25.0	
50-32-8	Benzo(a)pyrene	1	ND	N	25.0	
100-51-6	Benzyl alcohol	1	ND	N	25.0	
101-55-3	4-Bromophenyl-phenylether	1	ND	N	25.0	
85-68-7	Butylbenzylphthalate	1	ND	N	25.0	
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)	1	ND	N	25.0	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND	N	25.0	
111-91-1	bis(2-Chloroethoxy)methane	1	ND	N	25.0	
111-44-4	bis(2-Chloroethyl) ether	1	ND	N	25.0	
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND	N	25.0	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	ND	N	25.0	
91-58-7	2-Chloronaphthalene	1	ND	N	25.0	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND	N	25.0	
7005-72-3	4-Chlorophenyl phenyl ether	1	ND	N	25.0	
218-01-9	Chrysene	1	ND	N	25.0	
53-70-3	Dibenz(a,h)anthracene	1	ND	N	25.0	
132-64-9	Dibenzofuran	1	ND	N	25.0	
84-74-2	Di-n-butylphthalate	1	ND	N	25.0	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND	N	25.0	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND	N	25.0	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	ND	N	25.0	
91-94-1	3,3'-Dichlorobenzidine	1	ND	N	50.0	

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

11/6/2002 16:50:00

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services - Foreign Soil Import (U.S. Territories)

Report of Laboratory Analysis

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New Orleans Laboratory

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Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-04-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118533RE
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 2.5
Leached: n/a
Prepared: 11/01/02
Analyzed: 11/04/02 13:06 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
120-83-2	2,4-Dichlorophenol	1	ND	N	25.0	
87-65-0	2,6-Dichlorophenol	1	ND	N	25.0	
84-66-2	Diethylphthalate	1	ND	N	25.0	
60-11-7	p-(Dimethylamino)azobenzene	1	ND	N	25.0	
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND	N	25.0	
119-93-7	3,3'-Dimethylbenzidine	1	ND	N	25.0	
122-09-8	alpha, alpha- Dimethylphenethylamine	1	ND	N	25.0	
105-67-9	2,4-Dimethylphenol	1	ND	N	25.0	
131-11-3	Dimethylphthalate	1	ND	N	25.0	
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzene)	1	ND	N	25.0	
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	1	ND	N	62.5	
51-28-5	2,4-Dinitrophenol	1	ND	N	62.5	
121-14-2	2,4-Dinitrotoluene	1	ND	N	25.0	
606-20-2	2,6-Dinitrotoluene	1	ND	N	25.0	
117-84-0	Di-n-octylphthalate	1	ND	N	25.0	
117-81-7	bis(2-Ethylhexyl)phthalate	1	32.2	N	25.0	
97-63-2	Ethyl methacrylate (2-Propenoic acid)	1	ND	N	25.0	
62-50-0	Ethyl methanesulfonate	1	ND	N	25.0	
206-44-0	Fluoranthene	1	ND	N	25.0	
86-73-7	Fluorene	1	ND	N	25.0	
118-74-1	Hexachlorobenzene	1	ND	N	25.0	
87-68-3	Hexachlorobutadiene	1	ND	N	25.0	
77-47-4	Hexachlorocyclopentadiene	1	ND	N	25.0	
67-72-1	Hexachloroethane	1	ND	N	25.0	
70-30-4	Hexachlorophene	1	ND	N	25.0	
1888-71-7	Hexachloropropene	1	ND	N	25.0	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND	N	25.0	
78-59-1	Isophorone	1	ND	N	25.0	
120-58-1	Isosafrole	1	ND	N	25.0	
91-80-5	Methapyrilene	1	ND	N	25.0	
56-49-5	3-Methylcholanthrene	1	ND	N	25.0	
80-62-6	Methyl methacrylate	1	ND	N	25.0	
66-27-3	Methyl methanesulfonate	1	ND	N	25.0	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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11/6/2002 16:50:00

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Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-04-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118533RE
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 2.5
Leached: n/a
Prepared: 11/01/02
Analyzed: 11/04/02 13:06 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
91-57-6	2-Methylnaphthalene	1	ND	N	25.0	
95-48-7	2-Methylphenol (o-Cresol)	1	ND	N	25.0	
108-39-4	3-Methylphenol (m-Cresol)	1	ND	N A7	25.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND	N A7	25.0	
91-20-3	Naphthalene	1	ND	N	25.0	
134-32-7	1-Naphthaleneamine (1-Naphthylamine)	1	ND	N	25.0	
91-59-8	2-Naphthaleneamine (2-Naphthylamine)	1	ND	N	25.0	
130-15-4	1,4-Naphthoquinone	1	ND	N	125.	
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND	N	62.5	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND	N	62.5	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND	N	62.5	
98-95-3	Nitrobenzene	1	ND	N	25.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND	N	25.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND	N	62.5	
56-57-5	4-Nitroquinoline-1-oxide	1	ND	N	25.0	
99-55-8	5-Nitro-o-toluidine	1	ND	N	25.0	
55-18-5	N-Nitrosodiethylamine	1	ND	N	25.0	
62-75-9	N-Nitrosodimethylamine	1	ND	N	25.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND	N	25.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND	N	25.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	N A10	25.0	
10595-95-6	N-Nitrosomethylethylamine	1	ND	N	25.0	
59-89-2	N-Nitrosomorpholine	1	ND	N	25.0	
100-75-4	N-Nitrosopiperidine	1	ND	N	25.0	
930-55-2	N-Nitrosopyrrolidine	1	ND	N	25.0	
608-93-5	Pentachlorobenzene	1	ND	N	25.0	
76-01-7	Pentachloroethane	1	ND	N	25.0	
82-68-8	Pentachloronitrobenzene	1	ND	N	25.0	
87-86-5	Pentachlorophenol	1	ND	N	62.5	
62-44-2	Phenacetin	1	ND	N	25.0	
85-01-8	Phenanthrene	1	ND	N	25.0	
108-95-2	Phenol	1	ND	N	25.0	
106-50-3	p-Phenylenediamine	1	ND	N	25.0	

ND denotes Not Detected at or above the adjusted reporting limit.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-04-10 | **Site:** None

Project: Textron | **Project No.:** 2015132 | **Sample Qu:**

Lab ID: 20118533RE | **Matrix:** Water | **% Moisture:** n/a

Description: None | **Prep Level:** Water | **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT | **Units:** ug/L | **Target List:** 8270AP9WAT

Collected: 10/22/02 | **Received:** 10/23/02

Prep Factor: 2.5 | **Leached:** n/a | **Prepared:** 11/01/02 | **Analyzed:** 11/04/02 13:06 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
109-06-8	2-Picoline (2-Methylpyridine)	1	ND	N	25.0	
23950-58-5	Pronamide	1	ND	N	25.0	
129-00-0	Pyrene	1	ND	N	25.0	
110-86-1	Pyridine	1	ND	N	25.0	
94-59-7	Safrole	1	ND	N	25.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND	N	25.0	
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND	N	25.0	
95-53-4	o-Toluidine	1	ND	N	25.0	
120-82-1	1,2,4-Trichlorobenzene	1	ND	N	25.0	
95-95-4	2,4,5-Trichlorophenol	1	ND	N	62.5	
88-06-2	2,4,6-Trichlorophenol	1	ND	N	25.0	
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitrobenzene)	1	ND	N	25.0	

111 compound(s) reported

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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-23-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118534
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 15:48 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		10.0	
208-96-8	Acenaphthylene	1	ND		10.0	
98-86-2	Acetophenone	1	ND		10.0	
53-96-3	2-Acetylaminofluorene	1	ND		10.0	
92-67-1	4-Aminobiphenyl	1	ND		10.0	
62-53-3	Aniline (Benzeneamine)	1	ND		10.0	
120-12-7	Anthracene	1	ND		10.0	
140-57-8	Aramite	1	ND		10.0	
56-55-3	Benzo(a)anthracene	1	ND		10.0	
205-99-2	Benzo(b)fluoranthene	1	ND		10.0	
207-08-9	Benzo(k)fluoranthene	1	ND		10.0	
191-24-2	Benzo(g,h,i)perylene	1	ND		10.0	
50-32-8	Benzo(a)pyrene	1	ND		10.0	
100-51-6	Benzyl alcohol	1	ND		10.0	
101-55-3	4-Bromophenyl-phenylether	1	ND		10.0	
85-68-7	Butylbenzylphthalate	1	ND		10.0	
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)	1	ND		10.0	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		10.0	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		10.0	
111-44-4	bis(2-Chloroethyl) ether	1	ND		10.0	
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND		10.0	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	ND		10.0	
91-58-7	2-Chloronaphthalene	1	ND		10.0	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		10.0	
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		10.0	
218-01-9	Chrysene	1	ND		10.0	
53-70-3	Dibenz(a,h)anthracene	1	ND		10.0	
132-64-9	Dibenzofuran	1	ND		10.0	
84-74-2	Di-n-butylphthalate	1	ND		10.0	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND		10.0	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND		10.0	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	ND		10.0	
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0	

ND denotes Not Detected at or above the adjusted reporting limit.
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11/6/2002 16:50:00

Laboratory Certifications:
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Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-23-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118534
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 15:48 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
120-83-2	2,4-Dichlorophenol	1	ND		10.0	
87-65-0	2,6-Dichlorophenol	1	ND		10.0	
84-66-2	Diethylphthalate	1	ND		10.0	
60-11-7	p-(Dimethylamino)azobenzene	1	ND		10.0	
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND		10.0	
119-93-7	3,3'-Dimethylbenzidine	1	ND		10.0	
122-09-8	alpha, alpha- Dimethylphenethylamine	1	ND		10.0	
105-67-9	2,4-Dimethylphenol	1	ND		10.0	
131-11-3	Dimethylphthalate	1	ND		10.0	
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzene)	1	ND		10.0	
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	1	ND		10.0	
51-28-5	2,4-Dinitrophenol	1	ND		25.0	
121-14-2	2,4-Dinitrotoluene	1	ND		25.0	
606-20-2	2,6-Dinitrotoluene	1	ND		10.0	
117-84-0	Di-n-octylphthalate	1	ND		10.0	
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		10.0	
97-63-2	Ethyl methacrylate (2-Propenoic acid)	1	ND		10.0	
62-50-0	Ethyl methanesulfonate	1	ND		10.0	
206-44-0	Fluoranthene	1	ND		10.0	
86-73-7	Fluorene	1	ND		10.0	
118-74-1	Hexachlorobenzene	1	ND		10.0	
87-68-3	Hexachlorobutadiene	1	ND		10.0	
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0	
67-72-1	Hexachloroethane	1	ND		10.0	
70-30-4	Hexachlorophene	1	ND		10.0	
1888-71-7	Hexachloropropene	1	ND		10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		10.0	
78-59-1	Isophorone	1	ND		10.0	
120-58-1	Isosafrole	1	ND		10.0	
91-80-5	Methapyrilene	1	ND		10.0	
56-49-5	3-Methylcholanthrene	1	ND		10.0	
80-62-6	Methyl methacrylate	1	ND		10.0	
66-27-3	Methyl methanesulfonate	1	ND		10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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11/6/2002 16:50:01

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Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-23-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118534
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 15:48 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
91-57-6	2-Methylnaphthalene	1	ND		10.0	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		10.0	
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND	A7	10.0	
91-20-3	Naphthalene	1	ND		10.0	
134-32-7	1-Naphthaleneamine (1-Naphthylamine)	1	ND		10.0	
91-59-8	2-Naphthaleneamine (2-Naphthylamine)	1	ND		10.0	
130-15-4	1,4-Naphthoquinone	1	ND		50.0	
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		25.0	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		25.0	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		25.0	
98-95-3	Nitrobenzene	1	ND		10.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		25.0	
56-57-5	4-Nitroquinoline-1-oxide	1	ND		10.0	
99-55-8	5-Nitro-o-toluidine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
10595-95-6	N-Nitrosomethylethylamine	1	ND		10.0	
59-89-2	N-Nitrosomorpholine	1	ND		10.0	
100-75-4	N-Nitrosopiperidine	1	ND		10.0	
930-55-2	N-Nitrosopyrrolidine	1	ND		10.0	
608-93-5	Pentachlorobenzene	1	ND		10.0	
76-01-7	Pentachloroethane	1	ND		10.0	
82-68-8	Pentachloronitrobenzene	1	ND		10.0	
87-86-5	Pentachlorophenol	1	ND		25.0	
62-44-2	Phenacetin	1	ND		10.0	
85-01-8	Phenanthrene	1	ND		10.0	
108-95-2	Phenol	1	ND		10.0	
106-50-3	p-Phenylenediamine	1	ND		10.0	

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11/6/2002 16:50:01

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services - Foreign Soil Import (U.S. Territories)

Report of Laboratory Analysis

Pace Analytical™
New Orleans Laboratory

www.pacelabs.com

Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-23-10
Site: None
Project: Textron
Project No.: 2015132
Sample Qu:
Lab ID: 20118534
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 20772
Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT
Units: ug/L
Target List: 8270AP9WAT
Collected: 10/22/02
Received: 10/23/02
Prep Factor: 1
Leached: n/a
Prepared: 10/24/02
Analyzed: 10/29/02 15:48 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
109-06-8	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	1	ND		10.0	
110-86-1	Pyridine	1	ND		10.0	
94-59-7	Safrole	1	ND		10.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		10.0	
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		10.0	
95-53-4	o-Toluidine	1	ND		10.0	
120-82-1	1,2,4-Trichlorobenzene	1	2.80	J	10.0	
95-95-4	2,4,5-Trichlorophenol	1	ND		25.0	
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0	
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitrobenzene)	1	ND		10.0	

111 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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Laboratory Certifications:
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Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-02D-10 **Site:** None

Project: Textron **Project No.:** 2015132 **Sample Qu:**

Lab ID: 20118535 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT **Units:** ug/L **Target List:** 8270AP9WAT

Collected: 10/22/02 **Received:** 10/23/02

Prep Factor: 1 **Leached:** n/a **Prepared:** 10/24/02 **Analyzed:** 10/29/02 16:25 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		10.0	
208-96-8	Acenaphthylene	1	ND		10.0	
98-86-2	Acetophenone	1	ND		10.0	
53-96-3	2-Acetylaminofluorene	1	ND		10.0	
92-67-1	4-Aminobiphenyl	1	ND		10.0	
62-53-3	Aniline (Benzeneamine)	1	ND		10.0	
120-12-7	Anthracene	1	ND		10.0	
140-57-8	Aramite	1	ND		10.0	
56-55-3	Benzo(a)anthracene	1	ND		10.0	
205-99-2	Benzo(b)fluoranthene	1	ND		10.0	
207-08-9	Benzo(k)fluoranthene	1	ND		10.0	
191-24-2	Benzo(g,h,i)perylene	1	ND		10.0	
50-32-8	Benzo(a)pyrene	1	ND		10.0	
100-51-6	Benzyl alcohol	1	ND		10.0	
101-55-3	4-Bromophenyl-phenylether	1	ND		10.0	
85-68-7	Butylbenzylphthalate	1	ND		10.0	
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)	1	ND		10.0	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		10.0	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		10.0	
111-44-4	bis(2-Chloroethyl) ether	1	ND		10.0	
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND		10.0	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	ND		10.0	
91-58-7	2-Chloronaphthalene	1	ND		10.0	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		10.0	
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		10.0	
218-01-9	Chrysene	1	ND		10.0	
53-70-3	Dibenz(a,h)anthracene	1	ND		10.0	
132-64-9	Dibenzofuran	1	ND		10.0	
84-74-2	Di-n-butylphthalate	1	ND		10.0	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND		10.0	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND		10.0	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	ND		10.0	
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0	

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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-02D-10 **Site:** None

Project: Textron **Project No.:** 2015132 **Sample Qu:**

Lab ID: 20118535 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT **Units:** ug/L **Target List:** 8270AP9WAT

Collected: 10/22/02 **Received:** 10/23/02

Prep Factor: 1 **Leached:** n/a **Prepared:** 10/24/02 **Analyzed:** 10/29/02 16:25 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
120-83-2	2,4-Dichlorophenol	1	ND		10.0	
87-65-0	2,6-Dichlorophenol	1	ND		10.0	
84-66-2	Diethylphthalate	1	ND		10.0	
60-11-7	p-(Dimethylamino)azobenzene	1	ND		10.0	
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND		10.0	
119-93-7	3,3'-Dimethylbenzidine	1	ND		10.0	
122-09-8	alpha, alpha- Dimethylphenethylamine	1	ND		10.0	
105-67-9	2,4-Dimethylphenol	1	ND		10.0	
131-11-3	Dimethylphthalate	1	ND		10.0	
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzene)	1	ND		10.0	
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cresol)	1	ND		25.0	
51-28-5	2,4-Dinitrophenol	1	ND		25.0	
121-14-2	2,4-Dinitrotoluene	1	ND		10.0	
606-20-2	2,6-Dinitrotoluene	1	ND		10.0	
117-84-0	Di-n-octylphthalate	1	ND		10.0	
117-81-7	bis(2-Ethylhexyl)phthalate	1	24.6		10.0	
97-63-2	Ethyl methacrylate (2-Propenoic acid)	1	ND		10.0	
62-50-0	Ethyl methanesulfonate	1	ND		10.0	
206-44-0	Fluoranthene	1	ND		10.0	
86-73-7	Fluorene	1	ND		10.0	
118-74-1	Hexachlorobenzene	1	ND		10.0	
87-68-3	Hexachlorobutadiene	1	ND		10.0	
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0	
67-72-1	Hexachloroethane	1	ND		10.0	
70-30-4	Hexachlorophene	1	ND		10.0	
1888-71-7	Hexachloropropene	1	ND		10.0	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		10.0	
78-59-1	Isophorone	1	ND		10.0	
120-58-1	Isosafrole	1	ND		10.0	
91-80-5	Methapyrilene	1	ND		10.0	
56-49-5	3-Methylcholanthrene	1	ND		10.0	
80-62-6	Methyl methacrylate	1	ND		10.0	
66-27-3	Methyl methanesulfonate	1	ND		10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-02D-10 **Site:** None

Project: Textron **Project No.:** 2015132 **Sample Qu:**

Lab ID: 20118535 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT **Units:** ug/L **Target List:** 8270AP9WAT

Collected: 10/22/02 **Received:** 10/23/02

Prep Factor: 1 **Leached:** n/a **Prepared:** 10/24/02 **Analyzed:** 10/29/02 16:25 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
91-57-6	2-Methylnaphthalene	1	3.00 J		10.0	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		10.0	
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND	A7	10.0	
91-20-3	Naphthalene	1	1.90 J		10.0	
134-32-7	1-Naphthaleneamine (1-Naphthylamine)	1	ND		10.0	
91-59-8	2-Naphthaleneamine (2-Naphthylamine)	1	ND		10.0	
130-15-4	1,4-Naphthoquinone	1	ND		50.0	
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		25.0	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		25.0	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		25.0	
98-95-3	Nitrobenzene	1	ND		10.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		25.0	
56-57-5	4-Nitroquinoline-1-oxide	1	ND		10.0	
99-55-8	5-Nitro-o-toluidine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
10595-95-6	N-Nitrosomethylethylamine	1	ND		10.0	
59-89-2	N-Nitrosomorpholine	1	ND		10.0	
100-75-4	N-Nitrosopiperidine	1	ND		10.0	
930-55-2	N-Nitrosopyrrolidine	1	ND		10.0	
608-93-5	Pentachlorobenzene	1	ND		10.0	
76-01-7	Pentachloroethane	1	ND		10.0	
82-68-8	Pentachloronitrobenzene	1	ND		10.0	
87-86-5	Pentachlorophenol	1	12.1 J		25.0	
62-44-2	Phenacetin	1	ND		10.0	
85-01-8	Phenanthrene	1	ND		10.0	
108-95-2	Phenol	1	ND		10.0	
106-50-3	p-Phenylenediamine	1	ND		10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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Laboratory Certifications:
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client: ECO-SYSTEMS, INCORPORATED/MS

Client ID: TAC-SWMU2-GW-02D-10 | **Site:** None

Project: Textron | **Project No.:** 2015132 | **Sample Qu:**

Lab ID: 20118535 | **Matrix:** Water | **% Moisture:** n/a

Description: None | **Prep Level:** Water | **Batch:** 20772

Method: SW 8270 Appendix IX Semivolatile Organics - 8270AP9WAT | **Units:** ug/L | **Target List:** 8270AP9WAT

Collected: 10/22/02 | **Received:** 10/23/02

Prep Factor: 1 | **Leached:** n/a | **Prepared:** 10/24/02 | **Analyzed:** 10/29/02 16:25 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
109-06-8	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	1	ND		10.0	
110-86-1	Pyridine	1	ND		10.0	
94-59-7	Safrole	1	ND		10.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		10.0	
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		10.0	
95-53-4	o-Toluidine	1	ND		10.0	
120-82-1	1,2,4-Trichlorobenzene	1	46.7		10.0	
95-95-4	2,4,5-Trichlorophenol	1	ND		25.0	
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0	
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitrobenzene)	1	ND		10.0	

111 compound(s) reported

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Saint Rose, LA 70087

Phone: 504.469.0333
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Client ID: TAC-SWMU2-GW-05-10
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Textron
Site: None
Lab ID: 20118531
Project No.: 2015132
Description: None
Matrix: Water
%Moisture: n/a
Collected: 10/22/02
Received: 10/23/02

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:11	KJR	
Barium	SW 6010	20960	1	ND		ug/L	200.	28-Oct-02	30-Oct-02 11:11	KJR	
Cadmium	SW 6010	20960	1	ND		ug/L	5.00	28-Oct-02	30-Oct-02 11:11	KJR	
Chromium	SW 6010	20960	1	18.7		ug/L	10.0	28-Oct-02	30-Oct-02 11:11	KJR	
Lead	SW 6010	20960	1	ND		ug/L	3.00	28-Oct-02	30-Oct-02 11:11	KJR	
Mercury	SW 7470	20958	1	ND		ug/L	0.200	29-Oct-02	29-Oct-02 15:01	KJR	
Selenium	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:11	KJR	
Silver	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:11	KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
(1c) Reactive cyanide above 250 ppm is hazardous for reactivity.
(1d) Reactive sulfide above 500 ppm is hazardous for reactivity.
[illegible]ylene is a common synonym for the IUPAC standard ethene in all compounds with this functional group.
[illegible]yl ethyl ketone is a synonym for 2-butanone
[illegible]-cresol are synonyms for 2,3,4-methylphenol, respectively.
Hexachlorobutadiene is hexachloro-1,3-butadiene

Laboratory Certifications:
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Gary L. Newton

Gary Newton · Quality Assurance Officer

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Phone: 504.469.0333
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Client ID: TAC-SWMU2-GW-02-10
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Textron
Site: None
Lab ID: 20118532
Project No.: 2015132
Description: None
Matrix: Water
%Moisture: n/a
Collected: 10/22/02
Received: 10/23/02

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:15	KJR	
Barium	SW 6010	20960	1	ND		ug/L	200.	28-Oct-02	30-Oct-02 11:15	KJR	
Cadmium	SW 6010	20960	1	ND		ug/L	5.00	28-Oct-02	30-Oct-02 11:15	KJR	
Chromium	SW 6010	20960	1	3270		ug/L	10.0	28-Oct-02	30-Oct-02 11:15	KJR	
Lead	SW 6010	20960	1	ND		ug/L	3.00	28-Oct-02	30-Oct-02 11:15	KJR	
Mercury	SW 7470	20958	1	ND		ug/L	0.200	29-Oct-02	29-Oct-02 15:03	KJR	
Selenium	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:15	KJR	
Silver	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:15	KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
(1c) Reactive cyanide above 250 ppm is hazardous for reactivity.
(1d) Reactive sulfide above 500 ppm is hazardous for reactivity.
[illegible]lene is a common synonym for the IUPAC standard ethene in all compounds with this functional group.
[illegible]yl ethyl keytone is a synonym for 2-butanone
[illegible]p-cresol are synonyms for 2,3,4-methylphenol, respectively.
Hexachlorobutadiene is hexachloro-1,3-butadiene

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
Florida Dept. of Health/Hazardous Waste - E87595
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Gary L. Newton

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Phone: 504.469.0333
Fax: 504.469.0555

Client ID: TAC-SWMU2-GW-04-10
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Textron
Site: None
Lab ID: 20118533
Project No.: 2015132
Description: None
Matrix: Water
%Moisture: n/a
Collected: 10/22/02
Received: 10/23/02

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:22	KJR	
Barium	SW 6010	20960	1	ND		ug/L	200.	28-Oct-02	30-Oct-02 11:22	KJR	
Cadmium	SW 6010	20960	1	ND		ug/L	5.00	28-Oct-02	30-Oct-02 11:22	KJR	
Chromium	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:22	KJR	
Lead	SW 6010	20960	1	ND		ug/L	3.00	28-Oct-02	30-Oct-02 11:22	KJR	
Mercury	SW 7470	20958	1	ND		ug/L	0.200	29-Oct-02	29-Oct-02 15:05	KJR	
Selenium	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:22	KJR	
Silver	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:22	KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
(1c) Reactive cyanide above 250 ppm is hazardous for reactivity.
(1d) Reactive sulfide above 500 ppm is hazardous for reactivity.
[illegible]ene is a common synonym for the IUPAC standard ethene in all compounds with this functional group.
[illegible]l ethyl keytone is a synonym for 2-butanone
[illegible]-cresol are synonyms for 2,3,4-methylphenol, respectively.
Hexachlorobutadiene is hexachloro-1,3-butadiene

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services - Foreign Soil Import (U.S. Territories)

Gary L. Newton

Gary Newton · Quality Assurance Officer

Report of Laboratory Analysis

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New Orleans Laboratory

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Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client ID: TAC-SWMU2-GW-23-10
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Textron
Site: None
Lab ID: 20118534
Project No.: 2015132
Description: None
Matrix: Water
%Moisture: n/a
Collected: 10/22/02
Received: 10/23/02

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:27	KJR	
Barium	SW 6010	20960	1	ND		ug/L	200.	28-Oct-02	30-Oct-02 11:27	KJR	
Cadmium	SW 6010	20960	1	ND		ug/L	5.00	28-Oct-02	30-Oct-02 11:27	KJR	
Chromium	SW 6010	20960	1	31.4		ug/L	10.0	28-Oct-02	30-Oct-02 11:27	KJR	
Lead	SW 6010	20960	1	ND		ug/L	3.00	28-Oct-02	30-Oct-02 11:27	KJR	
Mercury	SW 7470	20958	1	ND		ug/L	0.200	29-Oct-02	29-Oct-02 15:11	KJR	
Selenium	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:27	KJR	
Silver	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:27	KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
(1c) Reactive cyanide above 250 ppm is hazardous for reactivity.
(1d) Reactive sulfide above 500 ppm is hazardous for reactivity.
[illegible]dene is a common synonym for the IUPAC standard ethene in all compounds with this functional group.
[illegible]l ethyl keytone is a synonym for 2-butanone
[illegible]-cresol are synonyms for 2,3,4-methylphenol, respectively.
Hexachlorobutadiene is hexachloro-1,3-butadiene

Laboratory Certifications:
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Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services - Foreign Soil Import (U.S. Territories)

Gary L. Newton

Gary Newton · Quality Assurance Officer

Report of Laboratory Analysis

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New Orleans Laboratory

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1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Client ID: TAC-SWMU2-GW-02D-10
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Textron
Site: None
Lab ID: 20118535
Project No.: 2015132
Description: None
Matrix: Water
%Moisture: n/a
Collected: 10/22/02
Received: 10/23/02

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:32	KJR	
Barium	SW 6010	20960	1	ND		ug/L	200.	28-Oct-02	30-Oct-02 11:32	KJR	
Cadmium	SW 6010	20960	1	ND		ug/L	5.00	28-Oct-02	30-Oct-02 11:32	KJR	
Chromium	SW 6010	20960	1	3200		ug/L	10.0	28-Oct-02	30-Oct-02 11:32	KJR	
Lead	SW 6010	20960	1	ND		ug/L	3.00	28-Oct-02	30-Oct-02 11:32	KJR	
Mercury	SW 7470	20958	1	ND		ug/L	0.200	29-Oct-02	29-Oct-02 15:13	KJR	
Selenium	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:32	KJR	
Silver	SW 6010	20960	1	ND		ug/L	10.0	28-Oct-02	30-Oct-02 11:32	KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
(1c) Reactive cyanide above 250 ppm is hazardous for reactivity.
(1d) Reactive sulfide above 500 ppm is hazardous for reactivity.
[illegible]ene is a common synonym for the IUPAC standard ethene in all compounds with this functional group.
[illegible]yl ethyl keytone is a synonym for 2-butanone
[illegible]p-cresol are synonyms for 2,3,4-methylphenol, respectively.
Hexachlorobutadiene is hexachloro-1,3-butadiene

Laboratory Certifications:
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Florida Dept. of Health/Hazardous Waste - E87595
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New Jersey DEPE/Wastewater - 58002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services - Foreign Soil Import (U.S. Territories)

Gary L. Newton

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Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118531
Client Sample ID: TAC-SWMU2-GW-05-10

Project Sample Number: 9238134-001
Matrix: Water

Date Collected: 10/22/02 12:15
Date Received: 10/23/02 10:15

GC/MS Volatiles

GC/MS Appendix IX VOCs by 8260 Method: EPA 8260

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	100	11/04/02 20:29	RWS	67-64-1		
Acetonitrile	ND	ug/l	50.	11/04/02 20:29	RWS	75-05-8		
Acrolein	ND	ug/l	25.	11/04/02 20:29	RWS	107-02-8		
Acrylonitrile	ND	ug/l	25.	11/04/02 20:29	RWS	107-13-1		
Allyl chloride	ND	ug/l	5.0	11/04/02 20:29	RWS	107-05-1		
Benzene	ND	ug/l	5.0	11/04/02 20:29	RWS	71-43-2		
Bromodichloromethane	ND	ug/l	5.0	11/04/02 20:29	RWS	75-27-4		
Bromoform	ND	ug/l	5.0	11/04/02 20:29	RWS	75-25-2		
Bromomethane	ND	ug/l	10.	11/04/02 20:29	RWS	74-83-9		
2-Butanone (MEK)	ND	ug/l	100	11/04/02 20:29	RWS	78-93-3		
Carbon disulfide	ND	ug/l	5.0	11/04/02 20:29	RWS	75-15-0		
Carbon tetrachloride	ND	ug/l	5.0	11/04/02 20:29	RWS	56-23-5		
Chlorobenzene	ND	ug/l	5.0	11/04/02 20:29	RWS	108-90-7		
Chloroethane	ND	ug/l	10.	11/04/02 20:29	RWS	75-00-3		
Chloroform	ND	ug/l	5.0	11/04/02 20:29	RWS	67-66-3		
Chloromethane	ND	ug/l	10.	11/04/02 20:29	RWS	74-87-3		
Chloroprene	ND	ug/l	10.	11/04/02 20:29	RWS	126-99-8		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	11/04/02 20:29	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	11/04/02 20:29	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	11/04/02 20:29	RWS	106-93-4		
Dibromomethane	ND	ug/l	5.0	11/04/02 20:29	RWS	74-95-3		
trans-1,4-Dichloro-2-butene	ND	ug/l	5.0	11/04/02 20:29	RWS	110-57-6		
Dichlorodifluoromethane	ND	ug/l	5.0	11/04/02 20:29	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	11/04/02 20:29	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	11/04/02 20:29	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	11/04/02 20:29	RWS	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	5.0	11/04/02 20:29	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	11/04/02 20:29	RWS	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	5.0	11/04/02 20:29	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	11/04/02 20:29	RWS	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/l	100	11/04/02 20:29	RWS	123-91-1		
Ethylbenzene	ND	ug/l	5.0	11/04/02 20:29	RWS	100-41-4		
2-Hexanone	ND	ug/l	50.	11/04/02 20:29	RWS	591-78-6		
Iodomethane	ND	ug/l	5.0	11/04/02 20:29	RWS	74-88-4		
Isobutanol	ND	ug/l	100	11/04/02 20:29	RWS	78-83-1		
Methacrylonitrile	ND	ug/l	5.0	11/04/02 20:29	RWS	126-98-7		
Methylene chloride	ND	ug/l	5.0	11/04/02 20:29	RWS	75-09-2		

Date: 11/06/02

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

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Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118531
Client Sample ID: TAC-SWMU2-GW-05-10

Project Sample Number: 9238134-001
Matrix: Water

Date Collected: 10/22/02 12:15
Date Received: 10/23/02 10:15

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Methyl-2-pentanone (MIBK)	ND	ug/l	50.	11/04/02 20:29	RWS	108-10-1		
Propionitrile	ND	ug/l	5.0	11/04/02 20:29	RWS	107-12-0		
Styrene	ND	ug/l	5.0	11/04/02 20:29	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	11/04/02 20:29	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	11/04/02 20:29	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	11/04/02 20:29	RWS	127-18-4		
Toluene	ND	ug/l	5.0	11/04/02 20:29	RWS	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	5.0	11/04/02 20:29	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	11/04/02 20:29	RWS	79-00-5		
Trichloroethene	350	ug/l	25.	11/04/02 20:29	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	5.0	11/04/02 20:29	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	11/04/02 20:29	RWS	96-18-4		
Vinyl acetate	ND	ug/l	50.	11/04/02 20:29	RWS	108-05-4		
Vinyl chloride	24.	ug/l	10.	11/04/02 20:29	RWS	75-01-4		
m&p-Xylene	ND	ug/l	10.	11/04/02 20:29	RWS			
o-Xylene	ND	ug/l	5.0	11/04/02 20:29	RWS	95-47-6		
Toluene-d8 (S)	97	%		11/04/02 20:29	RWS	2037-26-5		
4-Bromofluorobenzene (S)	80	%		11/04/02 20:29	RWS	460-00-4		
Dibromofluoromethane (S)	101	%		11/04/02 20:29	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	98	%		11/04/02 20:29	RWS	17060-07-0		

Date: 11/06/02

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

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9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118532
Client Sample ID: TAC-SWMU2-GW-02-10

Project Sample Number: 9238134-002
Matrix: Water

Date Collected: 10/22/02 14:00
Date Received: 10/23/02 10:15

GC/MS Volatiles

GC/MS Appendix IX VOCs by 8260 Method: EPA 8260

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	5000	11/04/02 20:45	RWS	67-64-1		
Acetonitrile	ND	ug/l	2500	11/04/02 20:45	RWS	75-05-8		
Acrolein	ND	ug/l	1200	11/04/02 20:45	RWS	107-02-8		
Acrylonitrile	ND	ug/l	1200	11/04/02 20:45	RWS	107-13-1		
Allyl chloride	ND	ug/l	250	11/04/02 20:45	RWS	107-05-1		
Benzene	ND	ug/l	250	11/04/02 20:45	RWS	71-43-2		
Bromodichloromethane	ND	ug/l	250	11/04/02 20:45	RWS	75-27-4		
Bromoform	ND	ug/l	250	11/04/02 20:45	RWS	75-25-2		
Bromomethane	ND	ug/l	500	11/04/02 20:45	RWS	74-83-9		
2-Butanone (MEK)	ND	ug/l	5000	11/04/02 20:45	RWS	78-93-3		
Carbon disulfide	ND	ug/l	250	11/04/02 20:45	RWS	75-15-0		
Carbon tetrachloride	ND	ug/l	250	11/04/02 20:45	RWS	56-23-5		
Chlorobenzene	ND	ug/l	250	11/04/02 20:45	RWS	108-90-7		
Chloroethane	ND	ug/l	500	11/04/02 20:45	RWS	75-00-3		
Chloroform	ND	ug/l	250	11/04/02 20:45	RWS	67-66-3		
Chloromethane	ND	ug/l	500	11/04/02 20:45	RWS	74-87-3		
Chloroprene	ND	ug/l	500	11/04/02 20:45	RWS	126-99-8		
1,2-Dibromo-3-chloropropane	ND	ug/l	250	11/04/02 20:45	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	250	11/04/02 20:45	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	250	11/04/02 20:45	RWS	106-93-4		
Dibromomethane	ND	ug/l	250	11/04/02 20:45	RWS	74-95-3		
trans-1,4-Dichloro-2-butene	ND	ug/l	250	11/04/02 20:45	RWS	110-57-6		
Dichlorodifluoromethane	ND	ug/l	250	11/04/02 20:45	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	250	11/04/02 20:45	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	250	11/04/02 20:45	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	250	11/04/02 20:45	RWS	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	250	11/04/02 20:45	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	250	11/04/02 20:45	RWS	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	250	11/04/02 20:45	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	250	11/04/02 20:45	RWS	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/l	5000	11/04/02 20:45	RWS	123-91-1		
Ethylbenzene	ND	ug/l	250	11/04/02 20:45	RWS	100-41-4		
2-Hexanone	ND	ug/l	2500	11/04/02 20:45	RWS	591-78-6		
Iodomethane	ND	ug/l	250	11/04/02 20:45	RWS	74-88-4		
Isobutanol	ND	ug/l	5000	11/04/02 20:45	RWS	78-83-1		
Methacrylonitrile	ND	ug/l	250	11/04/02 20:45	RWS	126-98-7		
Methylene chloride	ND	ug/l	1000	11/04/02 20:45	RWS	75-09-2		

Date: 11/06/02

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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118532
Client Sample ID: TAC-SWMU2-GW-02-10

Project Sample Number: 9238134-002
Matrix: Water

Date Collected: 10/22/02 14:00
Date Received: 10/23/02 10:15

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Methyl-2-pentanone (MIBK)	ND	ug/l	2500	11/04/02 20:45	RWS	108-10-1		
Propionitrile	ND	ug/l	250	11/04/02 20:45	RWS	107-12-0		
Styrene	ND	ug/l	250	11/04/02 20:45	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	250	11/04/02 20:45	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	250	11/04/02 20:45	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	250	11/04/02 20:45	RWS	127-18-4		
Toluene	ND	ug/l	250	11/04/02 20:45	RWS	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	250	11/04/02 20:45	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	250	11/04/02 20:45	RWS	79-00-5		
Trichloroethene	18000	ug/l	1000	11/04/02 20:45	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	250	11/04/02 20:45	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	250	11/04/02 20:45	RWS	96-18-4		
Vinyl acetate	ND	ug/l	2500	11/04/02 20:45	RWS	108-05-4		
Vinyl chloride	760	ug/l	500	11/04/02 20:45	RWS	75-01-4		
m&p-Xylene	ND	ug/l	500	11/04/02 20:45	RWS			
o-Xylene	ND	ug/l	250	11/04/02 20:45	RWS	95-47-6		
Toluene-d8 (S)	96	%		11/04/02 20:45	RWS	2037-26-5		
4-Bromofluorobenzene (S)	78	%		11/04/02 20:45	RWS	460-00-4		
Dibromofluoromethane (S)	102	%		11/04/02 20:45	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	100	%		11/04/02 20:45	RWS	17060-07-0		

Date: 11/06/02

Laboratory Certification IDs
NC Wastewater 12
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Phone: 704.875.9092
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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118533
Client Sample ID: TAC-SWMU2-GW-04-10

Project Sample Number: 9238134-003
Matrix: Water

Date Collected: 10/22/02 00:00
Date Received: 10/23/02 10:15

GC/MS Volatiles

GC/MS Appendix IX VOCs by 8260 Method: EPA 8260

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	100	11/04/02 19:43	RWS	67-64-1		
Acetonitrile	ND	ug/l	50.	11/04/02 19:43	RWS	75-05-8		
Acrolein	ND	ug/l	25.	11/04/02 19:43	RWS	107-02-8		
Acrylonitrile	ND	ug/l	25.	11/04/02 19:43	RWS	107-13-1		
Allyl chloride	ND	ug/l	5.0	11/04/02 19:43	RWS	107-05-1		
Benzene	ND	ug/l	5.0	11/04/02 19:43	RWS	71-43-2		
Bromodichloromethane	ND	ug/l	5.0	11/04/02 19:43	RWS	75-27-4		
Bromoform	ND	ug/l	5.0	11/04/02 19:43	RWS	75-25-2		
Bromomethane	ND	ug/l	10.	11/04/02 19:43	RWS	74-83-9		
2-Butanone (MEK)	ND	ug/l	100	11/04/02 19:43	RWS	78-93-3		
Carbon disulfide	ND	ug/l	5.0	11/04/02 19:43	RWS	75-15-0		
Carbon tetrachloride	ND	ug/l	5.0	11/04/02 19:43	RWS	56-23-5		
Chlorobenzene	ND	ug/l	5.0	11/04/02 19:43	RWS	108-90-7		
Chloroethane	ND	ug/l	10.	11/04/02 19:43	RWS	75-00-3		
Chloroform	ND	ug/l	5.0	11/04/02 19:43	RWS	67-66-3		
Chloromethane	ND	ug/l	10.	11/04/02 19:43	RWS	74-87-3		
Chloroprene	ND	ug/l	10.	11/04/02 19:43	RWS	126-99-8		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	11/04/02 19:43	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	11/04/02 19:43	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	11/04/02 19:43	RWS	106-93-4		
Dibromomethane	ND	ug/l	5.0	11/04/02 19:43	RWS	74-95-3		
trans-1,4-Dichloro-2-butene	ND	ug/l	5.0	11/04/02 19:43	RWS	110-57-6		
Dichlorodifluoromethane	ND	ug/l	5.0	11/04/02 19:43	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	11/04/02 19:43	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	11/04/02 19:43	RWS	107-06-2		
1,1-Dichloroethene	7.4	ug/l	5.0	11/04/02 19:43	RWS	75-35-4		
trans-1,2-Dichloroethene	43.	ug/l	5.0	11/04/02 19:43	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	11/04/02 19:43	RWS	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	5.0	11/04/02 19:43	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	11/04/02 19:43	RWS	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/l	100	11/04/02 19:43	RWS	123-91-1		
Ethylbenzene	ND	ug/l	5.0	11/04/02 19:43	RWS	100-41-4		
2-Hexanone	ND	ug/l	50.	11/04/02 19:43	RWS	591-78-6		
Iodomethane	ND	ug/l	5.0	11/04/02 19:43	RWS	74-88-4		
Isobutanol	ND	ug/l	100	11/04/02 19:43	RWS	78-83-1		
Methacrylonitrile	ND	ug/l	5.0	11/04/02 19:43	RWS	126-98-7		
Methylene chloride	ND	ug/l	5.0	11/04/02 19:43	RWS	75-09-2		

Date: 11/06/02

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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118533
Client Sample ID: TAC-SWMU2-GW-04-10

Project Sample Number: 9238134-003
Matrix: Water

Date Collected: 10/22/02 00:00
Date Received: 10/23/02 10:15

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Methyl-2-pentanone (MIBK)	ND	ug/l	50.	11/04/02 19:43	RWS	108-10-1		
Propionitrile	ND	ug/l	5.0	11/04/02 19:43	RWS	107-12-0		
Styrene	ND	ug/l	5.0	11/04/02 19:43	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	11/04/02 19:43	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	11/04/02 19:43	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	11/04/02 19:43	RWS	127-18-4		
Toluene	ND	ug/l	5.0	11/04/02 19:43	RWS	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	5.0	11/04/02 19:43	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	11/04/02 19:43	RWS	79-00-5		
Trichloroethene	230	ug/l	10.	11/04/02 19:43	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	5.0	11/04/02 19:43	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	11/04/02 19:43	RWS	96-18-4		
Vinyl acetate	ND	ug/l	50.	11/04/02 19:43	RWS	108-05-4		
Vinyl chloride	200	ug/l	20.	11/04/02 19:43	RWS	75-01-4		
m&p-Xylene	ND	ug/l	10.	11/04/02 19:43	RWS			
o-Xylene	ND	ug/l	5.0	11/04/02 19:43	RWS	95-47-6		
Toluene-d8 (S)	98	%		11/04/02 19:43	RWS	2037-26-5		
4-Bromofluorobenzene (S)	85	%		11/04/02 19:43	RWS	460-00-4		
Dibromofluoromethane (S)	93	%		11/04/02 19:43	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	88	%		11/04/02 19:43	RWS	17060-07-0		

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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118534
Client Sample ID: TAC-SWMU2-GW-23-10

Project Sample Number: 9238134-004
Matrix: Water

Date Collected: 10/22/02 15:05
Date Received: 10/23/02 10:15

GC/MS Volatiles

GC/MS Appendix IX VOCs by 8260 Method: EPA 8260

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	500	11/05/02 16:16	RWS	67-64-1		
Acetonitrile	ND	ug/l	250	11/05/02 16:16	RWS	75-05-8		
Acrolein	ND	ug/l	120	11/05/02 16:16	RWS	107-02-8		
Acrylonitrile	ND	ug/l	120	11/05/02 16:16	RWS	107-13-1		
Allyl chloride	ND	ug/l	25.	11/05/02 16:16	RWS	107-05-1		
Benzene	ND	ug/l	25.	11/05/02 16:16	RWS	71-43-2		
Bromodichloromethane	ND	ug/l	25.	11/05/02 16:16	RWS	75-27-4		
Bromoform	ND	ug/l	25.	11/05/02 16:16	RWS	75-25-2		
Bromomethane	ND	ug/l	50.	11/05/02 16:16	RWS	74-83-9		
2-Butanone (MEK)	ND	ug/l	500	11/05/02 16:16	RWS	78-93-3		
Carbon disulfide	ND	ug/l	25.	11/05/02 16:16	RWS	75-15-0		
Carbon tetrachloride	ND	ug/l	25.	11/05/02 16:16	RWS	56-23-5		
Chlorobenzene	ND	ug/l	25.	11/05/02 16:16	RWS	108-90-7		
Chloroethane	ND	ug/l	50.	11/05/02 16:16	RWS	75-00-3		
Chloroform	ND	ug/l	25.	11/05/02 16:16	RWS	67-66-3		
Chloromethane	ND	ug/l	50.	11/05/02 16:16	RWS	74-87-3		
Chloroprene	ND	ug/l	50.	11/05/02 16:16	RWS	126-99-8		
1,2-Dibromo-3-chloropropane	ND	ug/l	25.	11/05/02 16:16	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	25.	11/05/02 16:16	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	25.	11/05/02 16:16	RWS	106-93-4		
Dibromomethane	ND	ug/l	25.	11/05/02 16:16	RWS	74-95-3		
trans-1,4-Dichloro-2-butene	ND	ug/l	25.	11/05/02 16:16	RWS	110-57-6		
Dichlorodifluoromethane	ND	ug/l	25.	11/05/02 16:16	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	25.	11/05/02 16:16	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	25.	11/05/02 16:16	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	25.	11/05/02 16:16	RWS	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	25.	11/05/02 16:16	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	25.	11/05/02 16:16	RWS	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	25.	11/05/02 16:16	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	25.	11/05/02 16:16	RWS	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/l	500	11/05/02 16:16	RWS	123-91-1		
Ethylbenzene	ND	ug/l	25.	11/05/02 16:16	RWS	100-41-4		
2-Hexanone	ND	ug/l	250	11/05/02 16:16	RWS	591-78-6		
Iodomethane	ND	ug/l	25.	11/05/02 16:16	RWS	74-88-4		
Isobutanol	ND	ug/l	500	11/05/02 16:16	RWS	78-83-1		
Methacrylonitrile	ND	ug/l	25.	11/05/02 16:16	RWS	126-98-7		
Methylene chloride	ND	ug/l	25.	11/05/02 16:16	RWS	75-09-2		

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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118534
Client Sample ID: TAC-SWMU2-GW-23-10

Project Sample Number: 9238134-004
Matrix: Water

Date Collected: 10/22/02 15:05
Date Received: 10/23/02 10:15

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Methyl-2-pentanone (MIBK)	ND	ug/l	250	11/05/02 16:16	RWS	108-10-1		
Propionitrile	ND	ug/l	25.	11/05/02 16:16	RWS	107-12-0		
Styrene	ND	ug/l	25.	11/05/02 16:16	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	25.	11/05/02 16:16	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	25.	11/05/02 16:16	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	25.	11/05/02 16:16	RWS	127-18-4		
Toluene	ND	ug/l	25.	11/05/02 16:16	RWS	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	25.	11/05/02 16:16	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	25.	11/05/02 16:16	RWS	79-00-5		
Trichloroethene	4200	ug/l	250	11/05/02 16:16	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	25.	11/05/02 16:16	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	25.	11/05/02 16:16	RWS	96-18-4		
Vinyl acetate	ND	ug/l	250	11/05/02 16:16	RWS	108-05-4		
Vinyl chloride	140	ug/l	50.	11/05/02 16:16	RWS	75-01-4		
m&p-Xylene	ND	ug/l	50.	11/05/02 16:16	RWS			
o-Xylene	ND	ug/l	25.	11/05/02 16:16	RWS	95-47-6		
Toluene-d8 (S)	100	%		11/05/02 16:16	RWS	2037-26-5		
4-Bromofluorobenzene (S)	90	%		11/05/02 16:16	RWS	460-00-4		
Dibromofluoromethane (S)	112	%		11/05/02 16:16	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	104	%		11/05/02 16:16	RWS	17060-07-0		

Date: 11/06/02

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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118535
Client Sample ID: TAC-SWMU2-GW-02D-10

Project Sample Number: 9238134-005
Matrix: Water

Date Collected: 10/22/02 14:00
Date Received: 10/23/02 10:15

GC/MS Volatiles

GC/MS Appendix IX VOCs by 8260 Method: EPA 8260

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	5000	11/04/02 21:00	RWS	67-64-1		
Acetonitrile	ND	ug/l	2500	11/04/02 21:00	RWS	75-05-8		
Acrolein	ND	ug/l	1200	11/04/02 21:00	RWS	107-02-8		
Acrylonitrile	ND	ug/l	1200	11/04/02 21:00	RWS	107-13-1		
Allyl chloride	ND	ug/l	250	11/04/02 21:00	RWS	107-05-1		
Benzene	ND	ug/l	250	11/04/02 21:00	RWS	71-43-2		
Bromodichloromethane	ND	ug/l	250	11/04/02 21:00	RWS	75-27-4		
Bromoform	ND	ug/l	250	11/04/02 21:00	RWS	75-25-2		
Bromomethane	ND	ug/l	500	11/04/02 21:00	RWS	74-83-9		
2-Butanone (MEK)	ND	ug/l	5000	11/04/02 21:00	RWS	78-93-3		
Carbon disulfide	ND	ug/l	250	11/04/02 21:00	RWS	75-15-0		
Carbon tetrachloride	ND	ug/l	250	11/04/02 21:00	RWS	56-23-5		
Chlorobenzene	ND	ug/l	250	11/04/02 21:00	RWS	108-90-7		
Chloroethane	ND	ug/l	500	11/04/02 21:00	RWS	75-00-3		
Chloroform	ND	ug/l	250	11/04/02 21:00	RWS	67-66-3		
Chloromethane	ND	ug/l	500	11/04/02 21:00	RWS	74-87-3		
Chloroprene	ND	ug/l	500	11/04/02 21:00	RWS	126-99-8		
1,2-Dibromo-3-chloropropane	ND	ug/l	250	11/04/02 21:00	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	250	11/04/02 21:00	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	250	11/04/02 21:00	RWS	106-93-4		
Dibromomethane	ND	ug/l	250	11/04/02 21:00	RWS	74-95-3		
trans-1,4-Dichloro-2-butene	ND	ug/l	250	11/04/02 21:00	RWS	110-57-6		
Dichlorodifluoromethane	ND	ug/l	250	11/04/02 21:00	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	250	11/04/02 21:00	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	250	11/04/02 21:00	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	250	11/04/02 21:00	RWS	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	250	11/04/02 21:00	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	250	11/04/02 21:00	RWS	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	250	11/04/02 21:00	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	250	11/04/02 21:00	RWS	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/l	5000	11/04/02 21:00	RWS	123-91-1		
Ethylbenzene	ND	ug/l	250	11/04/02 21:00	RWS	100-41-4		
2-Hexanone	ND	ug/l	2500	11/04/02 21:00	RWS	591-78-6		
Iodomethane	ND	ug/l	250	11/04/02 21:00	RWS	74-88-4		
Isobutanol	ND	ug/l	5000	11/04/02 21:00	RWS	78-83-1		
Methacrylonitrile	ND	ug/l	250	11/04/02 21:00	RWS	126-98-7		
Methylene chloride	ND	ug/l	1000	11/04/02 21:00	RWS	75-09-2		

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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118535
Client Sample ID: TAC-SWMU2-GW-02D-10

Project Sample Number: 9238134-005
Matrix: Water

Date Collected: 10/22/02 14:00
Date Received: 10/23/02 10:15

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Methyl-2-pentanone (MIBK)	ND	ug/l	2500	11/04/02 21:00	RWS	108-10-1		
Propionitrile	ND	ug/l	250	11/04/02 21:00	RWS	107-12-0		
Styrene	ND	ug/l	250	11/04/02 21:00	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	250	11/04/02 21:00	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	250	11/04/02 21:00	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	250	11/04/02 21:00	RWS	127-18-4		
Toluene	ND	ug/l	250	11/04/02 21:00	RWS	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	250	11/04/02 21:00	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	250	11/04/02 21:00	RWS	79-00-5		
Trichloroethene	18000	ug/l	1000	11/04/02 21:00	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	250	11/04/02 21:00	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	250	11/04/02 21:00	RWS	96-18-4		
Vinyl acetate	ND	ug/l	2500	11/04/02 21:00	RWS	108-05-4		
Vinyl chloride	650	ug/l	500	11/04/02 21:00	RWS	75-01-4		
m&p-Xylene	ND	ug/l	500	11/04/02 21:00	RWS			
o-Xylene	ND	ug/l	250	11/04/02 21:00	RWS	95-47-6		
Toluene-d8 (S)	99	%		11/04/02 21:00	RWS	2037-26-5		
4-Bromofluorobenzene (S)	77	%		11/04/02 21:00	RWS	460-00-4		
Dibromofluoromethane (S)	99	%		11/04/02 21:00	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	97	%		11/04/02 21:00	RWS	17060-07-0		

Date: 11/06/02

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Phone: 704.875.9092
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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118536
Client Sample ID: TAC-SWMU2-TB10

Project Sample Number: 9238134-006
Matrix: Water

Date Collected: 10/22/02 00:00
Date Received: 10/23/02 10:15

GC/MS Volatiles

GC/MS Appendix IX VOCs by 8260 Method: EPA 8260

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Acetone	ND	ug/l	100	11/04/02 17:08	RWS	67-64-1		
Acetonitrile	ND	ug/l	50.	11/04/02 17:08	RWS	75-05-8		
Acrolein	ND	ug/l	25.	11/04/02 17:08	RWS	107-02-8		
Acrylonitrile	ND	ug/l	25.	11/04/02 17:08	RWS	107-13-1		
Allyl chloride	ND	ug/l	5.0	11/04/02 17:08	RWS	107-05-1		
Benzene	ND	ug/l	5.0	11/04/02 17:08	RWS	71-43-2		
Bromodichloromethane	ND	ug/l	5.0	11/04/02 17:08	RWS	75-27-4		
Bromoform	ND	ug/l	5.0	11/04/02 17:08	RWS	75-25-2		
Bromomethane	ND	ug/l	10.	11/04/02 17:08	RWS	74-83-9		
2-Butanone (MEK)	ND	ug/l	100	11/04/02 17:08	RWS	78-93-3		
Carbon disulfide	ND	ug/l	5.0	11/04/02 17:08	RWS	75-15-0		
Carbon tetrachloride	ND	ug/l	5.0	11/04/02 17:08	RWS	56-23-5		
Chlorobenzene	ND	ug/l	5.0	11/04/02 17:08	RWS	108-90-7		
Chloroethane	ND	ug/l	10.	11/04/02 17:08	RWS	75-00-3		
Chloroform	ND	ug/l	5.0	11/04/02 17:08	RWS	67-66-3		
Chloromethane	ND	ug/l	10.	11/04/02 17:08	RWS	74-87-3		
Chloroprene	ND	ug/l	10.	11/04/02 17:08	RWS	126-99-8		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	11/04/02 17:08	RWS	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	11/04/02 17:08	RWS	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	11/04/02 17:08	RWS	106-93-4		
Dibromomethane	ND	ug/l	5.0	11/04/02 17:08	RWS	74-95-3		
trans-1,4-Dichloro-2-butene	ND	ug/l	5.0	11/04/02 17:08	RWS	110-57-6		
Dichlorodifluoromethane	ND	ug/l	5.0	11/04/02 17:08	RWS	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	11/04/02 17:08	RWS	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	11/04/02 17:08	RWS	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	11/04/02 17:08	RWS	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	5.0	11/04/02 17:08	RWS	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	11/04/02 17:08	RWS	78-87-5		
cis-1,3-Dichloropropene	ND	ug/l	5.0	11/04/02 17:08	RWS	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	11/04/02 17:08	RWS	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/l	100	11/04/02 17:08	RWS	123-91-1		
Ethylbenzene	ND	ug/l	5.0	11/04/02 17:08	RWS	100-41-4		
2-Hexanone	ND	ug/l	50.	11/04/02 17:08	RWS	591-78-6		
Iodomethane	ND	ug/l	5.0	11/04/02 17:08	RWS	74-88-4		
Isobutanol	ND	ug/l	100	11/04/02 17:08	RWS	78-83-1		
Methacrylonitrile	ND	ug/l	5.0	11/04/02 17:08	RWS	126-98-7		
Methylene chloride	ND	ug/l	5.0	11/04/02 17:08	RWS	75-09-2		

Date: 11/06/02

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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

Lab Sample No: 20118536
Client Sample ID: TAC-SWMU2-TB10

Project Sample Number: 9238134-006
Matrix: Water

Date Collected: 10/22/02 00:00
Date Received: 10/23/02 10:15

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Methyl-2-pentanone (MIBK)	ND	ug/l	50.	11/04/02 17:08	RWS	108-10-1		
Propionitrile	ND	ug/l	5.0	11/04/02 17:08	RWS	107-12-0		
Styrene	ND	ug/l	5.0	11/04/02 17:08	RWS	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	11/04/02 17:08	RWS	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	11/04/02 17:08	RWS	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	11/04/02 17:08	RWS	127-18-4		
Toluene	ND	ug/l	5.0	11/04/02 17:08	RWS	108-88-3		
1,1,1-Trichloroethane	ND	ug/l	5.0	11/04/02 17:08	RWS	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	11/04/02 17:08	RWS	79-00-5		
Trichloroethene	ND	ug/l	5.0	11/04/02 17:08	RWS	79-01-6		
Trichlorofluoromethane	ND	ug/l	5.0	11/04/02 17:08	RWS	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	11/04/02 17:08	RWS	96-18-4		
Vinyl acetate	ND	ug/l	50.	11/04/02 17:08	RWS	108-05-4		
Vinyl chloride	ND	ug/l	10.	11/04/02 17:08	RWS	75-01-4		
m&p-Xylene	ND	ug/l	10.	11/04/02 17:08	RWS			
o-Xylene	ND	ug/l	5.0	11/04/02 17:08	RWS	95-47-6		
Toluene-d8 (S)	97	%		11/04/02 17:08	RWS	2037-26-5		
4-Bromofluorobenzene (S)	87	%		11/04/02 17:08	RWS	460-00-4		
Dibromofluoromethane (S)	94	%		11/04/02 17:08	RWS	1868-53-7		
1,2-Dichloroethane-d4 (S)	87	%		11/04/02 17:08	RWS	17060-07-0		

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Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

PARAMETER FOOTNOTES

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate

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QUALITY CONTROL DATA

Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

QC Batch: 65634
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: GC/MS Appendix IX VOCs by 8260
Associated Lab Samples: 20118531 20118532 20118533 20118534 20118535 20118536

METHOD BLANK: 922615109
Associated Lab Samples: 20118531 20118532 20118533 20118534 20118535 20118536

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	100	
Acetonitrile	ug/l	ND	50.	
Acrolein	ug/l	ND	25.	
Acrylonitrile	ug/l	ND	25.	
Allyl chloride	ug/l	ND	5.0	
Benzene	ug/l	ND	5.0	
Bromodichloromethane	ug/l	ND	5.0	
Bromoform	ug/l	ND	5.0	
Bromomethane	ug/l	ND	10.	
2-Butanone (MEK)	ug/l	ND	100	
Carbon disulfide	ug/l	ND	5.0	
Carbon tetrachloride	ug/l	ND	5.0	
Chlorobenzene	ug/l	ND	5.0	
Chloroethane	ug/l	ND	10.	
Chloroform	ug/l	ND	5.0	
Chloromethane	ug/l	ND	10.	
Chloroprene	ug/l	ND	10.	
1,2-Dibromo-3-chloropropane	ug/l	ND	5.0	
Dibromochloromethane	ug/l	ND	5.0	
1,2-Dibromoethane (EDB)	ug/l	ND	5.0	
Dibromomethane	ug/l	ND	5.0	
trans-1,4-Dichloro-2-butene	ug/l	ND	5.0	
Dichlorodifluoromethane	ug/l	ND	5.0	
1,1-Dichloroethane	ug/l	ND	5.0	
1,2-Dichloroethane	ug/l	ND	5.0	
1,1-Dichloroethene	ug/l	ND	5.0	
trans-1,2-Dichloroethene	ug/l	ND	5.0	
1,2-Dichloropropane	ug/l	ND	5.0	
cis-1,3-Dichloropropene	ug/l	ND	5.0	
trans-1,3-Dichloropropene	ug/l	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

METHOD BLANK: 922615109
Associated Lab Samples: 20118531 20118532 20118533 20118534 20118535 20118536

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,4-Dioxane (p-Dioxane)	ug/l	ND	100	
Ethylbenzene	ug/l	ND	5.0	
2-Hexanone	ug/l	ND	50.	
Iodomethane	ug/l	ND	5.0	
Isobutanol	ug/l	ND	100	
Methacrylonitrile	ug/l	ND	5.0	
Methylene chloride	ug/l	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	50.	
Propionitrile	ug/l	ND	5.0	
Styrene	ug/l	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	5.0	
Tetrachloroethene	ug/l	ND	5.0	
Toluene	ug/l	ND	5.0	
1,1,1-Trichloroethane	ug/l	ND	5.0	
1,1,2-Trichloroethane	ug/l	ND	5.0	
Trichloroethene	ug/l	ND	5.0	
Trichlorofluoromethane	ug/l	ND	5.0	
1,2,3-Trichloropropane	ug/l	ND	5.0	
Vinyl acetate	ug/l	ND	50.	
Vinyl chloride	ug/l	ND	10.	
m&p-Xylene	ug/l	ND	10.	
o-Xylene	ug/l	ND	5.0	
Toluene-d8 (S)	%	98		
4-Bromofluorobenzene (S)	%	92		
Dibromofluoromethane (S)	%	86		
1,2-Dichloroethane-d4 (S)	%	82		

LABORATORY CONTROL SAMPLE: 922615117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/l	100.00	112.1	112	
Acrolein	ug/l	250.00	310.2	124	
Acrylonitrile	ug/l	250.00	248.6	99	

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QUALITY CONTROL DATA

Lab Project Number: 9238134
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LABORATORY CONTROL SAMPLE: 922615117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Allyl chloride	ug/l	50.00	41.06	82	
Benzene	ug/l	50.00	50.70	101	
Bromodichloromethane	ug/l	50.00	44.21	88	
Bromoform	ug/l	50.00	37.90	76	
Bromomethane	ug/l	50.00	57.02	114	
2-Butanone (MEK)	ug/l	100.00	124.1	124	
Carbon disulfide	ug/l	100.00	95.55	96	
Carbon tetrachloride	ug/l	50.00	52.11	104	
Chlorobenzene	ug/l	50.00	52.86	106	
Chloroethane	ug/l	50.00	57.13	114	
Chloroform	ug/l	50.00	49.75	100	
Chloromethane	ug/l	50.00	53.22	106	
Chloroprene	ug/l	50.00	58.90	118	
1,2-Dibromo-3-chloropropane	ug/l	50.00	49.85	100	
Dibromochloromethane	ug/l	50.00	43.07	86	
1,2-Dibromoethane (EDB)	ug/l	50.00	47.59	95	
Dibromomethane	ug/l	50.00	46.02	92	
trans-1,4-Dichloro-2-butene	ug/l	50.00	32.19	64	
Dichlorodifluoromethane	ug/l	50.00	35.52	71	
1,1-Dichloroethane	ug/l	100.00	57.63	58	
1,2-Dichloroethane	ug/l	50.00	49.34	99	
1,1-Dichloroethene	ug/l	50.00	63.38	127	
trans-1,2-Dichloroethene	ug/l	50.00	61.34	123	
1,2-Dichloropropane	ug/l	50.00	51.18	102	
cis-1,3-Dichloropropene	ug/l	50.00	46.54	93	
trans-1,3-Dichloropropene	ug/l	50.00	44.04	88	
1,4-Dioxane (p-Dioxane)	ug/l	1000.00	883.7	88	
Ethylbenzene	ug/l	50.00	54.38	109	
2-Hexanone	ug/l	100.00	98.93	99	
Iodomethane	ug/l	100.00	109.0	109	
Isobutanol	ug/l	1000.00	803.4	80	
Methacrylonitrile	ug/l	500.00	445.5	89	
Methylene chloride	ug/l	50.00	56.78	114	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	93.25	93	
Propionitrile	ug/l	500.00	491.8	98	
Styrene	ug/l	50.00	54.02	108	
1,1,1,2-Tetrachloroethane	ug/l	50.00	50.14	100	

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QUALITY CONTROL DATA

Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

LABORATORY CONTROL SAMPLE: 922615117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,1,2,2-Tetrachloroethane	ug/l	50.00	45.33	91	
Tetrachloroethene	ug/l	50.00	51.89	104	
Toluene	ug/l	50.00	52.06	104	
1,1,1-Trichloroethane	ug/l	50.00	57.70	115	
1,1,2-Trichloroethane	ug/l	50.00	45.86	92	
Trichloroethene	ug/l	50.00	52.67	105	
Trichlorofluoromethane	ug/l	50.00	50.33	101	
1,2,3-Trichloropropane	ug/l	50.00	42.66	85	
Vinyl acetate	ug/l	100.00	114.5	114	
Vinyl chloride	ug/l	50.00	46.72	93	
m&p-Xylene	ug/l	100.00	112.1	112	
o-Xylene	ug/l	50.00	54.09	108	
Toluene-d8 (S)				98	
4-Bromofluorobenzene (S)				93	
Dibromofluoromethane (S)				87	
1,2-Dichloroethane-d4 (S)				84	

SAMPLE DUPLICATE: 922615141

Parameter	Units	20118533 Result	DUP Result	RPD	Footnotes
Acetone	ug/l	ND	ND	NC	
Acetonitrile	ug/l	ND	ND	NC	
Acrolein	ug/l	ND	ND	NC	
Acrylonitrile	ug/l	ND	ND	NC	
Allyl chloride	ug/l	ND	ND	NC	
Benzene	ug/l	ND	ND	NC	
Bromodichloromethane	ug/l	ND	ND	NC	
Bromoform	ug/l	ND	ND	NC	
Bromomethane	ug/l	ND	ND	NC	
2-Butanone (MEK)	ug/l	ND	ND	NC	
Carbon disulfide	ug/l	ND	ND	NC	
Carbon tetrachloride	ug/l	ND	ND	NC	
Chlorobenzene	ug/l	ND	ND	NC	
Chloroethane	ug/l	ND	ND	NC	
Chloroform	ug/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 9238134
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SAMPLE DUPLICATE: 922615141

Parameter	Units	20118533 Result	DUP Result	RPD	Footnotes
Chloromethane	ug/l	ND	ND	NC	
Chloroprene	ug/l	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/l	ND	ND	NC	
Dibromochloromethane	ug/l	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/l	ND	ND	NC	
Dibromomethane	ug/l	ND	ND	NC	
trans-1,4-Dichloro-2-butene	ug/l	ND	ND	NC	
Dichlorodifluoromethane	ug/l	ND	ND	NC	
1,1-Dichloroethane	ug/l	ND	6.600	0	
1,2-Dichloroethane	ug/l	ND	ND	NC	
1,1-Dichloroethene	ug/l	7.400	8.200	11	
trans-1,2-Dichloroethene	ug/l	43.00	34.00	22	1
1,2-Dichloropropane	ug/l	ND	ND	NC	
cis-1,3-Dichloropropene	ug/l	ND	ND	NC	
trans-1,3-Dichloropropene	ug/l	ND	ND	NC	
1,4-Dioxane (p-Dioxane)	ug/l	ND	ND	NC	
Ethylbenzene	ug/l	ND	ND	NC	
2-Hexanone	ug/l	ND	ND	NC	
Iodomethane	ug/l	ND	ND	NC	
Isobutanol	ug/l	ND	ND	NC	
Methacrylonitrile	ug/l	ND	ND	NC	
Methylene chloride	ug/l	ND	ND	NC	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	ND	NC	
Propionitrile	ug/l	ND	ND	NC	
Styrene	ug/l	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/l	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/l	ND	ND	NC	
Tetrachloroethene	ug/l	ND	ND	NC	
Toluene	ug/l	ND	ND	NC	
1,1,1-Trichloroethane	ug/l	ND	ND	NC	
1,1,2-Trichloroethane	ug/l	ND	ND	NC	
Trichloroethene	ug/l	230.0	230.0	1	
Trichlorofluoromethane	ug/l	ND	ND	NC	
1,2,3-Trichloropropane	ug/l	ND	ND	NC	
Vinyl acetate	ug/l	ND	ND	NC	
Vinyl chloride	ug/l	200.0	190.0	2	
m&p-Xylene	ug/l	ND	ND	NC	

Date: 11/06/02

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QUALITY CONTROL DATA

Lab Project Number: 9238134
Client Project ID: Ecosystems/2015132

SAMPLE DUPLICATE: 922615141

Parameter	Units	20118533 Result	DUP Result	RPD	Footnotes
o-Xylene	ug/l	ND	ND	NC	
Toluene-d8 (S)	%	98	99		
4-Bromofluorobenzene (S)	%	85	88		
Dibromofluoromethane (S)	%	93	89		
1,2-Dichloroethane-d4 (S)	%	88	77		2

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Client Project ID: Ecosystems/2015132

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	The calculated RPD was outside QC acceptance limits.
[2]	The surrogate and/or spike recovery was outside acceptance limits.

Date: 11/06/02

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS
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Laboratory Certification IDs
KY Drinking Water 90090
VA Drinking Water 213
FL NELAP E87627

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New Orleans Laboratory

Report of Quality Control

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Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Method: Water GC/MS Semivolatile Organics

Project No.: 2015132

Batch: 20772

Units: ug/L

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	DUP RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	50.00	68			50.00					35 - 111	30 - 109	25	
Acenaphthene	50.00	68			50.00					35 - 111	30 - 109	25	
Acenaphthylene	50.00	73			50.00					36 - 107	23 - 113	25	
Acenaphthylene	50.00	71			50.00					36 - 107	23 - 113	25	
Aniline (Benzeneamine)	50.00	48 *			50.00					50 - 150	50 - 150	25	
Anthracene	50.00	75			50.00					41 - 115	33 - 112	25	
Benzo(a)anthracene	50.00	76			50.00					38 - 120	30 - 117	25	
Aniline (Benzeneamine)	50.00	63			50.00					50 - 150	50 - 150	25	
Benzo(b)fluoranthene	50.00	93			50.00					33 - 128	27 - 122	25	
Anthracene	50.00	76			50.00					41 - 115	33 - 112	25	
Benzoic acid	50.00	99			50.00					0 - 131	0 - 166	25	
Benzo(k)fluoranthene	50.00	61			50.00					29 - 129	24 - 121	25	
Benzo(g,h,i)perylene	50.00	85			50.00					21 - 134	15 - 123	25	
Benzo(a)anthracene	50.00	76			50.00					38 - 120	30 - 117	25	
2,2'-oxybis(1-Chloropropane)	50.00	64			50.00					19 - 110	12 - 111	25	
Benzo(b)fluoranthene	50.00	90			50.00					33 - 128	27 - 122	25	
Benzyl alcohol	50.00	67			50.00					27 - 114	25 - 111	25	
Benzo(a)pyrene	50.00	81			50.00					34 - 122	25 - 117	25	
Benzo(k)fluoranthene	50.00	65			50.00					29 - 129	24 - 121	25	
4-Bromophenyl-phenylether	50.00	69			50.00					40 - 114	32 - 114	25	
Benzo(g,h,i)perylene	50.00	88			50.00					21 - 134	15 - 123	25	
Butylbenzylphthalate	50.00	89			50.00					30 - 129	26 - 128	25	
Benzo(a)pyrene	50.00	84			50.00					34 - 122	25 - 117	25	
4-Chloroaniline (p-Chloroaniline)	50.00	30			50.00					16 - 114	1 - 113	25	
Benzyl alcohol	50.00	65			50.00					27 - 114	25 - 111	25	
bis(2-Chloroethoxy)methane	50.00	68			50.00					34 - 107	23 - 113	25	
4-Bromophenyl-phenylether	50.00	72			50.00					40 - 114	32 - 114	25	
bis(2-Chloroethyl) ether	50.00	62			50.00					26 - 106	16 - 110	25	
Butylbenzylphthalate	50.00	88			50.00					30 - 129	26 - 128	25	
4-Chloro-3-methylphenol (p-Chloro-m-	50.00	76			50.00					36 - 112	24 - 120	25	
2-Chloronaphthalene	50.00	67			50.00					36 - 106	30 - 108	25	
4-Chloroaniline (p-Chloroaniline)	50.00	60			50.00					16 - 114	1 - 113	25	
2-Chlorophenol (o-Chlorophenol)	50.00	65			50.00					25 - 104	22 - 103	25	
bis(2-Chloroethoxy)methane	50.00	70			50.00					34 - 107	23 - 113	25	
4-Chlorophenyl phenyl ether	50.00	70			50.00					39 - 111	33 - 111	25	
bis(2-Chloroethyl) ether	50.00	60			50.00					26 - 106	16 - 110	25	
Chrysene	50.00	74			50.00					38 - 117	29 - 116	25	
2,2'-oxybis(1-Chloropropane)	50.00	62			50.00					19 - 110	12 - 111	25	
Dibenz(a,h)anthracene	50.00	85			50.00					28 - 130	13 - 131	25	

*** denotes recovery outside of QC limits.**
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Method: Water GC/MS Semivolatile Organics

Project No.: 2015132

Batch: 20772

Units: ug/L

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	DUP RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
4-Chloro-3-methylphenol (p-Chloro-m-	50.00	75			50.00					36 - 112	24 - 120	25	
Dibenzofuran	50.00	73			50.00					38 - 111	34 - 110	25	
2-Chloronaphthalene	50.00	68			50.00					36 - 106	30 - 108	25	
Di-n-butylphthalate	50.00	80			50.00					37 - 121	29 - 120	25	
2-Chlorophenol (o-Chlorophenol)	50.00	59			50.00					25 - 104	22 - 103	25	
1,2-Dichlorobenzene (o-Dichlorobenze	50.00	53			50.00					17 - 86	11 - 86	25	
4-Chlorophenyl phenyl ether	50.00	71			50.00					39 - 111	33 - 111	25	
1,3-Dichlorobenzene (m-Dichlorobenz	50.00	48			50.00					14 - 85	8 - 84	25	
Chrysene	50.00	75			50.00					38 - 117	29 - 116	25	
1,4-Dichlorobenzene (p-Dichlorobenze	50.00	50			50.00					15 - 83	10 - 82	25	
Dibenz(a,h)anthracene	50.00	90			50.00					28 - 130	13 - 131	25	
3,3'-Dichlorobenzidine	50.00	27			50.00					6 - 115	1 - 100	25	
Dibenzofuran	50.00	74			50.00					38 - 111	34 - 110	25	
2,4-Dichlorophenol	50.00	78			50.00					34 - 111	24 - 117	25	
Di-n-butylphthalate	50.00	79			50.00					37 - 121	29 - 120	25	
1,2-Dichlorobenzene (o-Dichlorobenze	50.00	49			50.00					17 - 86	11 - 86	25	
Diethylphthalate	50.00	75			50.00					36 - 120	31 - 119	25	
1,3-Dichlorobenzene (m-Dichlorobenz	50.00	44			50.00					14 - 85	8 - 84	25	
1,4-Dichlorobenzene (p-Dichlorobenze	50.00	45			50.00					15 - 83	10 - 82	25	
3,3'-Dichlorobenzidine	50.00	55			50.00					6 - 115	1 - 100	25	
2,4-Dichlorophenol	50.00	68			50.00					34 - 111	24 - 117	25	
2,4-Dimethylphenol	50.00	61			50.00					4 - 105	9 - 118	25	
Diethylphthalate	50.00	74			50.00					36 - 120	31 - 119	25	
Dimethylphthalate	50.00	73			50.00					39 - 115	33 - 115	25	
4,6-Dinitro-2-methylphenol (4,6-Dinitr	50.00	90			50.00					19 - 154	11 - 157	25	
2,4-Dinitrophenol	50.00	85			50.00					1 - 174	1 - 191	25	
2,4-Dinitrotoluene	50.00	83			50.00					36 - 122	29 - 126	25	
2,4-Dimethylphenol	50.00	58			50.00					4 - 105	9 - 118	25	
2,6-Dinitrotoluene	50.00	78			50.00					38 - 120	33 - 122	25	
Dimethylphthalate	50.00	74			50.00					39 - 115	33 - 115	25	
Di-n-octylphthalate	50.00	100			50.00					28 - 133	16 - 138	25	
bis(2-Ethylhexyl)phthalate	50.00	100			50.00					32 - 134	24 - 131	25	
4,6-Dinitro-2-methylphenol (4,6-Dinitr	50.00	36			50.00					19 - 154	11 - 157	25	
2,4-Dinitrophenol	50.00	31			50.00					1 - 174	1 - 191	25	
2,4-Dinitrotoluene	50.00	78			50.00					36 - 122	29 - 126	25	
Fluoranthene	50.00	77			50.00					39 - 117	30 - 116	25	
2,6-Dinitrotoluene	50.00	80			50.00					38 - 120	33 - 122	25	
Fluorene	50.00	75			50.00					39 - 112	34 - 111	25	
Di-n-octylphthalate	50.00	100			50.00					28 - 133	16 - 138	25	

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Laboratory Certifications:
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Saint Rose, LA 70087

Phone: 504.469.0333
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Method: Water GC/MS Semivolatile Organics

Project No.: 2015132

Batch: 20772

Units: ug/L

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	DUP RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Hexachlorobenzene	50.00	75			50.00					39 - 116	31 - 117	25	
bis(2-Ethylhexyl)phthalate	50.00	95			50.00					32 - 134	24 - 131	25	
Hexachlorobutadiene	50.00	58			50.00					15 - 97	13 - 96	25	
Hexachlorocyclopentadiene	50.00	9			50.00					1 - 61	1 - 65	25	
Hexachloroethane	50.00	47			50.00					11 - 86	4 - 89	25	
Fluoranthene	50.00	77			50.00					39 - 117	30 - 116	25	
Fluorene	50.00	75			50.00					39 - 112	34 - 111	25	
Hexachlorobenzene	50.00	75			50.00					39 - 116	31 - 117	25	
Indeno(1,2,3-cd)pyrene	50.00	84			50.00					28 - 126	18 - 122	25	
Hexachlorobutadiene	50.00	52			50.00					15 - 97	13 - 96	25	
Isophorone	50.00	75			50.00					36 - 113	25 - 120	25	
Hexachlorocyclopentadiene	50.00	11			50.00					1 - 61	1 - 65	25	
Hexachloroethane	50.00	42			50.00					11 - 86	4 - 89	25	
Indeno(1,2,3-cd)pyrene	50.00	87			50.00					28 - 126	18 - 122	25	
Isophorone	50.00	73			50.00					36 - 113	25 - 120	25	
2-Methylnaphthalene	50.00	74			50.00					33 - 108	25 - 112	25	
2-Methylphenol (o-Cresol)	50.00	67			50.00					24 - 108	21 - 107	25	
3-Methylphenol (m-Cresol)	50.00	70			50.00					50 - 150	50 - 150	25	
4-Methylphenol (p-Cresol)	50.00	70			50.00					22 - 111	19 - 111	25	
Naphthalene	50.00	67			50.00					28 - 99	22 - 101	25	
2-Methylnaphthalene	50.00	72			50.00					33 - 108	25 - 112	25	
2-Methylphenol (o-Cresol)	50.00	67			50.00					24 - 108	21 - 107	25	
3-Methylphenol (m-Cresol)	50.00	69			50.00					50 - 150	50 - 150	25	
2-Nitroaniline (o-Nitroaniline)	50.00	64			50.00					31 - 125	15 - 136	25	
4-Methylphenol (p-Cresol)	50.00	69			50.00					22 - 111	19 - 111	25	
3-Nitroaniline (m-Nitroaniline)	50.00	27			50.00					27 - 124	13 - 123	25	
Naphthalene	50.00	64			50.00					28 - 99	22 - 101	25	
4-Nitroaniline (p-Nitroaniline)	50.00	45			50.00					29 - 124	9 - 123	25	
Nitrobenzene	50.00	69			50.00					26 - 114	15 - 125	25	
2-Nitrophenol (o-Nitrophenol)	50.00	72			50.00					30 - 115	19 - 124	25	
4-Nitrophenol (p-Nitrophenol)	50.00	71			50.00					18 - 137	3 - 161	25	
2-Nitroaniline (o-Nitroaniline)	50.00	66			50.00					31 - 125	15 - 136	25	
3-Nitroaniline (m-Nitroaniline)	50.00	82			50.00					27 - 124	13 - 123	25	
4-Nitroaniline (p-Nitroaniline)	50.00	76			50.00					29 - 124	9 - 123	25	
Nitrobenzene	50.00	65			50.00					26 - 114	15 - 125	25	
N-Nitrosodimethylamine	50.00	45			50.00					8 - 107	0 - 115	25	
2-Nitrophenol (o-Nitrophenol)	50.00	47			50.00					30 - 115	19 - 124	25	
4-Nitrophenol (p-Nitrophenol)	50.00	25			50.00					18 - 137	3 - 161	25	
N-Nitroso-di-n-propylamine	50.00	64			50.00					30 - 109	22 - 111	25	

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Phone: 504.469.0333
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Method: Water GC/MS Semivolatile Organics

Project No.: 2015132

Batch: 20772

Units: ug/L

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	DUP RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
N-Nitrosodiphenylamine (Diphenylami	50.00	65			50.00					34 - 113	16 - 113	25	
N-Nitrosodimethylamine	50.00	46			50.00					8 - 107	0 - 115	25	
N-Nitroso-di-n-propylamine	50.00	64			50.00					30 - 109	22 - 111	25	
N-Nitrosodiphenylamine (Diphenylami	50.00	68			50.00					34 - 113	16 - 113	25	
Pentachlorophenol	50.00	90			50.00					30 - 127	26 - 139	25	
Phenanthrene	50.00	74			50.00					41 - 114	32 - 115	25	
Phenol	50.00	66			50.00					24 - 107	16 - 115	25	
Pentachlorophenol	50.00	44			50.00					30 - 127	26 - 139	25	
Pyrene	50.00	73			50.00					36 - 121	28 - 121	25	
Phenanthrene	50.00	75			50.00					41 - 114	32 - 115	25	
Pyridine	50.00	39			50.00					3 - 90	10 - 98	25	
Phenol	50.00	65			50.00					24 - 107	16 - 115	25	
Pyrene	50.00	75			50.00					36 - 121	28 - 121	25	
1,2,4-Trichlorobenzene	50.00	63			50.00					24 - 95	18 - 99	25	
Pyridine	50.00	29			50.00					3 - 90	10 - 98	25	
2,4,5-Trichlorophenol	50.00	75			50.00					34 - 117	31 - 118	25	
2,4,6-Trichlorophenol	50.00	77			50.00					34 - 118	24 - 128	25	
1,2,4-Trichlorobenzene	50.00	59			50.00					24 - 95	18 - 99	25	
2,4,5-Trichlorophenol	50.00	47			50.00					34 - 117	31 - 118	25	
2,4,6-Trichlorophenol	50.00	42			50.00					34 - 118	24 - 128	25	

137 compound(s) reported

*** denotes recovery outside of QC limits.**
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Report of Batch Surrogate Recovery

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Phone: 504.469.0333
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Method: Water GC/MS Semivolatile Organics

Report: 2015132

Batch: 20772

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20117932	Sample	95	86	85	63	38	70		
20118531	Sample	45	50	67	46	33	71		
20118532	Sample	44	57	75	48	31	87		
20118533	Sample	67	72	68	22	25	8*		
20118533RE	Re-run	55	59	64	49	41	69		
20118534	Sample	69	70	75	58	51	88		
20118535	Sample	74	72	71	74	62	87		
20772B2T	Blank	73	72	72	72	61	77		
20772B3T	Blank	48	58	70	44	32	73		
20772B4T	Blank	84	76	80	67	67	82		
20772S2T	LCS	69	73	74	64	36	58		
20772S3T	LCS	73	73	75	68	53	87		
20772S4T	LCS	68	66	71	27	16	26		
QC limits:		21-120	26-106	33-141	19-113	11-103	25-136		

Sur 1: Nitrobenzene-d5 (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: Terphenyl-d14 (S)
Sur 4: Phenol-d5 (S)
Sur 5: 2-Fluorophenol (S)
Sur 6: 2,4,6-Tribromophenol (S)

*Notes surrogate recovery outside of QC limits.
*Notes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

11/6/2002 16:50:06

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water -LA000006
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Report of Method Blank

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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Lab ID: 20772B2T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 24-Oct-02 **Analyzed:** 29-Oct-02 13:57 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
83-32-9	Acenaphthene	1	ND		10.0
208-96-8	Acenaphthylene	1	ND		10.0
98-86-2	Acetophenone	1	ND		10.0
53-96-3	2-Acetylaminofluorene	1	ND		10.0
92-67-1	4-Aminobiphenyl	1	ND		10.0
62-53-3	Aniline (Benzeneamine)	1	ND		10.0
120-12-7	Anthracene	1	ND		10.0
140-57-8	Aramite	1	ND		10.0
56-55-3	Benzo(a)anthracene	1	ND		10.0
205-99-2	Benzo(b)fluoranthene	1	ND		10.0
207-08-9	Benzo(k)fluoranthene	1	ND		10.0
191-24-2	Benzo(g,h,i)perylene	1	ND		10.0
50-32-8	Benzo(a)pyrene	1	ND		10.0
100-51-6	Benzyl alcohol	1	ND		10.0
101-55-3	4-Bromophenyl-phenylether	1	ND		10.0
85-68-7	Butylbenzylphthalate	1	ND		10.0
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dino	1	ND		10.0
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		10.0
111-91-1	bis(2-Chloroethoxy)methane	1	ND		10.0
111-44-4	bis(2-Chloroethyl) ether	1	ND		10.0
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND		10.0
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m	1	ND		10.0
91-58-7	2-Chloronaphthalene	1	ND		10.0
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		10.0
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		10.0
218-01-9	Chrysene	1	ND		10.0
53-70-3	Dibenz(a,h)anthracene	1	ND		10.0
132-64-9	Dibenzofuran	1	ND		10.0
84-74-2	Di-n-butylphthalate	1	ND		10.0
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenz	1	ND		10.0
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenz	1	ND		10.0
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenz	1	ND		10.0
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0
120-83-2	2,4-Dichlorophenol	1	ND		10.0
87-65-0	2,6-Dichlorophenol	1	ND		10.0
84-66-2	Diethylphthalate	1	ND		10.0

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Ou lists qualifiers. Specific qualifiers are defined at the end of the report.

11/6/2002 16:50:06

Laboratory Certifications:
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Lab ID: 20772B2T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 24-Oct-02 **Analyzed:** 29-Oct-02 13:57 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
60-11-7	p-(Dimethylamino)azobenzene	1	ND		10.0
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND		10.0
119-93-7	3,3'-Dimethylbenzidine	1	ND		10.0
122-09-8	alpha, alpha- Dimethylphenethylamin	1	ND		10.0
105-67-9	2,4-Dimethylphenol	1	ND		10.0
131-11-3	Dimethylphthalate	1	ND		10.0
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzen	1	ND		10.0
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Din	1	ND		10.0
51-28-5	2,4-Dinitrophenol	1	ND		25.0
121-14-2	2,4-Dinitrotoluene	1	ND		25.0
606-20-2	2,6-Dinitrotoluene	1	ND		10.0
117-84-0	Di-n-octylphthalate	1	ND		10.0
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		10.0
97-63-2	Ethyl methacrylate (2-Propenoic aci	1	14.7		10.0
62-50-0	Ethyl methanesulfonate	1	ND		10.0
206-44-0	Fluoranthene	1	ND		10.0
86-73-7	Fluorene	1	ND		10.0
118-74-1	Hexachlorobenzene	1	ND		10.0
87-68-3	Hexachlorobutadiene	1	ND		10.0
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0
67-72-1	Hexachloroethane	1	ND		10.0
70-30-4	Hexachlorophene	1	ND		10.0
1888-71-7	Hexachloropropene	1	ND		10.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		10.0
78-59-1	Isophorone	1	ND		10.0
120-58-1	Isosafrole	1	ND		10.0
91-80-5	Methapyrilene	1	ND		10.0
56-49-5	3-Methylcholanthrene	1	ND		10.0
80-62-6	Methyl methacrylate	1	ND		10.0
66-27-3	Methyl methanesulfonate	1	ND		10.0
91-57-6	2-Methylnaphthalene	1	ND		10.0
95-48-7	2-Methylphenol (o-Cresol)	1	ND		10.0
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0
106-44-5	4-Methylphenol (p-Cresol)	1	ND	A7	10.0
91-20-3	Naphthalene	1	ND		10.0
134-32-7	1-Naphthaleneamine (1-Naphthylamine	1	ND		10.0

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

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Lab ID: 20772B2T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 24-Oct-02 **Analyzed:** 29-Oct-02 13:57 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
91-59-8	2-Naphthaleneamine (2-Naphthylamine	1	ND		10.0
130-15-4	1,4-Naphthoquinone	1	ND		50.0
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		25.0
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		25.0
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		25.0
98-95-3	Nitrobenzene	1	ND		10.0
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		25.0
56-57-5	4-Nitroquinoline-1-oxide	1	ND		10.0
99-55-8	5-Nitro-o-toluidine	1	ND		10.0
55-18-5	N-Nitrosodiethylamine	1	ND		10.0
62-75-9	N-Nitrosodimethylamine	1	ND		10.0
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0
621-64-7	N-Nitroso-di-n-propylamine	1	ND		10.0
86-30-6	N-Nitrosodiphenylamine (Diphenylami	1	ND	A10	10.0
10595-95-6	N-Nitrosomethylethylamine	1	ND		10.0
59-89-2	N-Nitrosomorpholine	1	ND		10.0
100-75-4	N-Nitrosopiperidine	1	ND		10.0
930-55-2	N-Nitrosopyrrolidine	1	ND		10.0
608-93-5	Pentachlorobenzene	1	ND		10.0
76-01-7	Pentachloroethane	1	ND		10.0
82-68-8	Pentachloronitrobenzene	1	ND		10.0
87-86-5	Pentachlorophenol	1	ND		25.0
62-44-2	Phenacetin	1	ND		10.0
85-01-8	Phenanthrene	1	ND		10.0
108-95-2	Phenol	1	ND		10.0
106-50-3	p-Phenylenediamine	1	ND		10.0
109-06-8	2-Picoline (2-Methylpyridine)	1	ND		10.0
23950-58-5	Pronamide	1	ND		10.0
129-00-0	Pyrene	1	ND		10.0
110-86-1	Pyridine	1	ND		10.0
94-59-7	Safrole	1	ND		10.0
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		10.0
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		10.0
95-53-4	o-Toluidine	1	ND		10.0
120-82-1	1,2,4-Trichlorobenzene	1	ND		10.0

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

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Lab ID: 20772B2T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 24-Oct-02 **Analyzed:** 29-Oct-02 13:57 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
95-95-4	2,4,5-Trichlorophenol	1	ND		25.0
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitro	1	ND		10.0

111 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
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Lab ID: 20772B3T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 25-Oct-02 **Analyzed:** 29-Oct-02 10:51 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
83-32-9	Acenaphthene	1	ND		10.0
208-96-8	Acenaphthylene	1	ND		10.0
62-53-3	Aniline (Benzeneamine)	1	ND		10.0
120-12-7	Anthracene	1	ND		10.0
56-55-3	Benzo(a)anthracene	1	ND		10.0
205-99-2	Benzo(b)fluoranthene	1	ND		10.0
207-08-9	Benzo(k)fluoranthene	1	ND		10.0
65-85-0	Benzoic acid	1	ND		25.0
191-24-2	Benzo(g,h,i)perylene	1	ND		10.0
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND		10.0
50-32-8	Benzo(a)pyrene	1	ND		10.0
100-51-6	Benzyl alcohol	1	ND		10.0
101-55-3	4-Bromophenyl-phenylether	1	ND		10.0
85-68-7	Butylbenzylphthalate	1	ND		10.0
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		10.0
111-91-1	bis(2-Chloroethoxy)methane	1	ND		10.0
111-44-4	bis(2-Chloroethyl) ether	1	ND		10.0
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m	1	ND		10.0
91-58-7	2-Chloronaphthalene	1	ND		10.0
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		10.0
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		10.0
218-01-9	Chrysene	1	ND		10.0
53-70-3	Dibenz(a,h)anthracene	1	ND		10.0
132-64-9	Dibenzofuran	1	ND		10.0
84-74-2	Di-n-butylphthalate	1	ND		10.0
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenz	1	ND		10.0
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenz	1	ND		10.0
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenz	1	ND		10.0
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0
120-83-2	2,4-Dichlorophenol	1	ND		10.0
87-65-0	2,6-Dichlorophenol	1	ND		10.0
84-66-2	Diethylphthalate	1	ND		10.0
60-11-7	p-(Dimethylamino)azobenzene	1	ND		10.0
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND		10.0
119-93-7	3,3'-Dimethylbenzidine	1	ND		10.0
122-09-8	alpha, alpha- Dimethylphenethylamin	1	ND		10.0

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

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Lab ID: 20772B3T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 25-Oct-02 **Analyzed:** 29-Oct-02 10:51 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
105-67-9	2,4-Dimethylphenol	1	ND		10.0
131-11-3	Dimethylphthalate	1	ND		10.0
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzen	1	ND		10.0
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Din	1	ND		25.0
51-28-5	2,4-Dinitrophenol	1	ND		25.0
121-14-2	2,4-Dinitrotoluene	1	ND		10.0
606-20-2	2,6-Dinitrotoluene	1	ND		10.0
117-84-0	Di-n-octylphthalate	1	ND		10.0
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		10.0
97-63-2	Ethyl methacrylate (2-Propenoic aci	1	ND		10.0
62-50-0	Ethyl methanesulfonate	1	ND		10.0
206-44-0	Fluoranthene	1	ND		10.0
86-73-7	Fluorene	1	ND		10.0
118-74-1	Hexachlorobenzene	1	ND		10.0
87-68-3	Hexachlorobutadiene	1	ND		10.0
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0
67-72-1	Hexachloroethane	1	ND		10.0
70-30-4	Hexachlorophene	1	ND		10.0
1888-71-7	Hexachloropropene	1	ND		10.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		10.0
78-59-1	Isophorone	1	ND		10.0
120-58-1	Isosafrole	1	ND		10.0
91-80-5	Methapyrilene	1	ND		10.0
56-49-5	3-Methylcholanthrene	1	ND		10.0
80-62-6	Methyl methacrylate	1	ND		10.0
66-27-3	Methyl methanesulfonate	1	ND		10.0
91-57-6	2-Methylnaphthalene	1	ND		10.0
95-48-7	2-Methylphenol (o-Cresol)	1	ND		10.0
108-39-4	3-Methylphenol (m-Cresol)	1	ND		10.0
106-44-5	4-Methylphenol (p-Cresol)	1	ND	A7	10.0
91-20-3	Naphthalene	1	ND	A7	10.0
134-32-7	1-Naphthaleneamine (1-Naphthylamine	1	ND		10.0
91-59-8	2-Naphthaleneamine (2-Naphthylamine	1	ND		10.0
130-15-4	1,4-Naphthoquinone	1	ND		10.0
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		50.0
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		25.0

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
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Lab ID: 20772B3T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 25-Oct-02 **Analyzed:** 29-Oct-02 10:51 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		25.0
98-95-3	Nitrobenzene	1	ND		10.0
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		25.0
56-57-5	4-Nitroquinoline-1-oxide	1	ND		10.0
99-55-8	5-Nitro-o-toluidine	1	ND		10.0
55-18-5	N-Nitrosodiethylamine	1	ND		10.0
62-75-9	N-Nitrosodimethylamine	1	ND		10.0
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0
621-64-7	N-Nitroso-di-n-propylamine	1	ND		10.0
86-30-6	N-Nitrosodiphenylamine (Diphenylami	1	ND	A10	10.0
10595-95-6	N-Nitrosomethylethylamine	1	ND		10.0
59-89-2	N-Nitrosomorpholine	1	ND		10.0
100-75-4	N-Nitrosopiperidine	1	ND		10.0
930-55-2	N-Nitrosopyrrolidine	1	ND		10.0
608-93-5	Pentachlorobenzene	1	ND		10.0
76-01-7	Pentachloroethane	1	ND		10.0
82-68-8	Pentachloronitrobenzene	1	ND		10.0
87-86-5	Pentachlorophenol	1	ND		25.0
62-44-2	Phenacetin	1	ND		10.0
85-01-8	Phenanthrene	1	ND		10.0
108-95-2	Phenol	1	ND		10.0
106-50-3	p-Phenylenediamine	1	ND		10.0
109-06-8	2-Picoline (2-Methylpyridine)	1	ND		10.0
23950-58-5	Pronamide	1	ND		10.0
129-00-0	Pyrene	1	ND		10.0
110-86-1	Pyridine	1	ND		10.0
94-59-7	Safrole	1	ND		10.0
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		10.0
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		10.0
95-53-4	o-Toluidine	1	ND		10.0
120-82-1	1,2,4-Trichlorobenzene	1	ND		10.0
95-95-4	2,4,5-Trichlorophenol	1	ND		25.0
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitro	1	ND		10.0
92-87-5	Benzidine	1	ND	A5	30.0

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
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11/6/2002 16:50:08

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Lab ID: 20772B3T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 25-Oct-02 **Analyzed:** 29-Oct-02 10:51 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit

108 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

11/6/2002 16:50:08

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Lab ID: 20772B4T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 01-Nov-02 **Analyzed:** 04-Nov-02 11:31 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
83-32-9	Acenaphthene	1	ND		10.0
208-96-8	Acenaphthylene	1	ND		10.0
98-86-2	Acetophenone	1	ND		10.0
53-96-3	2-Acetylaminofluorene	1	ND		10.0
92-67-1	4-Aminobiphenyl	1	ND		10.0
62-53-3	Aniline (Benzeneamine)	1	ND		10.0
120-12-7	Anthracene	1	ND		10.0
140-57-8	Aramite	1	ND		10.0
56-55-3	Benzo(a)anthracene	1	ND		10.0
205-99-2	Benzo(b)fluoranthene	1	ND		10.0
207-08-9	Benzo(k)fluoranthene	1	ND		10.0
191-24-2	Benzo(g,h,i)perylene	1	ND		10.0
50-32-8	Benzo(a)pyrene	1	ND		10.0
100-51-6	Benzyl alcohol	1	ND		10.0
101-55-3	4-Bromophenyl-phenylether	1	ND		10.0
85-68-7	Butylbenzylphthalate	1	ND		10.0
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dino	1	ND		10.0
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	ND		10.0
111-91-1	bis(2-Chloroethoxy)methane	1	ND		10.0
111-44-4	bis(2-Chloroethyl) ether	1	ND		10.0
108-60-1	2,2'-oxybis(1-Chloropropane)	1	ND		10.0
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m	1	ND		10.0
91-58-7	2-Chloronaphthalene	1	ND		10.0
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	ND		10.0
7005-72-3	4-Chlorophenyl phenyl ether	1	ND		10.0
218-01-9	Chrysene	1	ND		10.0
53-70-3	Dibenz(a,h)anthracene	1	ND		10.0
132-64-9	Dibenzofuran	1	ND		10.0
84-74-2	Di-n-butylphthalate	1	ND		10.0
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenz	1	ND		10.0
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenz	1	ND		10.0
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenz	1	ND		10.0
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0
120-83-2	2,4-Dichlorophenol	1	ND		10.0
87-65-0	2,6-Dichlorophenol	1	ND		10.0
84-66-2	Diethylphthalate	1	ND		10.0

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

11/6/2002 16:50:08

Laboratory Certifications:
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New Jersey DEPE/Wastewater - 58002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services - Foreign Soil Import (U.S. Territories)

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New Orleans Laboratory

Report of Method Blank

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1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Lab ID: 20772B4T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 01-Nov-02 **Analyzed:** 04-Nov-02 11:31 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
60-11-7	p-(Dimethylamino)azobenzene	1	ND		10.0
57-97-6	7,12-Dimethylbenz(a)anthracene	1	ND		10.0
119-93-7	3,3'-Dimethylbenzidine	1	ND		10.0
122-09-8	alpha, alpha- Dimethylphenethylamin	1	ND		10.0
105-67-9	2,4-Dimethylphenol	1	ND		10.0
131-11-3	Dimethylphthalate	1	ND		10.0
99-65-0	1,3-Dinitrobenzene (m-Dinitrobenzen	1	ND		10.0
534-52-1	4,6-Dinitro-2-methylphenol (4,6-Din	1	ND		25.0
51-28-5	2,4-Dinitrophenol	1	ND		25.0
121-14-2	2,4-Dinitrotoluene	1	ND		10.0
606-20-2	2,6-Dinitrotoluene	1	ND		10.0
117-84-0	Di-n-octylphthalate	1	ND		10.0
117-81-7	bis(2-Ethylhexyl)phthalate	1	11.9		10.0
97-63-2	Ethyl methacrylate (2-Propenoic aci	1	ND		10.0
62-50-0	Ethyl methanesulfonate	1	ND		10.0
206-44-0	Fluoranthene	1	ND		10.0
86-73-7	Fluorene	1	ND		10.0
118-74-1	Hexachlorobenzene	1	ND		10.0
87-68-3	Hexachlorobutadiene	1	ND		10.0
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0
67-72-1	Hexachloroethane	1	ND		10.0
70-30-4	Hexachlorophene	1	ND		10.0
1888-71-7	Hexachloropropene	1	ND		10.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		10.0
78-59-1	Isophorone	1	ND		10.0
120-58-1	Isosafrole	1	ND		10.0
91-80-5	Methapyrilene	1	ND		10.0
56-49-5	3-Methylcholanthrene	1	ND		10.0
80-62-6	Methyl methacrylate	1	ND		10.0
66-27-3	Methyl methanesulfonate	1	ND		10.0
91-57-6	2-Methylnaphthalene	1	ND		10.0
95-48-7	2-Methylphenol (o-Cresol)	1	ND		10.0
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0
106-44-5	4-Methylphenol (p-Cresol)	1	ND	A7	10.0
91-20-3	Naphthalene	1	ND		10.0
134-32-7	1-Naphthaleneamine (1-Naphthylamine	1	ND		10.0

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Report of Method Blank

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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Lab ID: 20772B4T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 01-Nov-02 **Analyzed:** 04-Nov-02 11:31 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
91-59-8	2-Naphthaleneamine (2-Naphthylamine	1	ND		10.0
130-15-4	1,4-Naphthoquinone	1	ND		50.0
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		25.0
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	ND		25.0
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	ND		25.0
98-95-3	Nitrobenzene	1	ND		10.0
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		25.0
56-57-5	4-Nitroquinoline-1-oxide	1	ND		10.0
99-55-8	5-Nitro-o-toluidine	1	ND		10.0
55-18-5	N-Nitrosodiethylamine	1	ND		10.0
62-75-9	N-Nitrosodimethylamine	1	ND		10.0
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0
621-64-7	N-Nitroso-di-n-propylamine	1	ND		10.0
86-30-6	N-Nitrosodiphenylamine (Diphenylami	1	ND	A10	10.0
10595-95-6	N-Nitrosomethylethylamine	1	ND		10.0
59-89-2	N-Nitrosomorpholine	1	ND		10.0
100-75-4	N-Nitrosopiperidine	1	ND		10.0
930-55-2	N-Nitrosopyrrolidine	1	ND		10.0
608-93-5	Pentachlorobenzene	1	ND		10.0
76-01-7	Pentachloroethane	1	ND		10.0
82-68-8	Pentachloronitrobenzene	1	ND		10.0
87-86-5	Pentachlorophenol	1	ND		25.0
62-44-2	Phenacetin	1	ND		10.0
85-01-8	Phenanthrene	1	ND		10.0
108-95-2	Phenol	1	ND		10.0
106-50-3	p-Phenylenediamine	1	ND		10.0
109-06-8	2-Picoline (2-Methylpyridine)	1	ND		10.0
23950-58-5	Pronamide	1	ND		10.0
129-00-0	Pyrene	1	ND		10.0
110-86-1	Pyridine	1	ND		10.0
94-59-7	Safrole	1	ND		10.0
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		10.0
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		10.0
95-53-4	o-Toluidine	1	ND		10.0
120-82-1	1,2,4-Trichlorobenzene	1	ND		10.0

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
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11/6/2002 16:50:08

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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Lab ID: 20772B4T

Description: Water Method Blank **Project No.:** 2015132

Method: Water GC/MS Semivolatile Organics **Batch:** 20772 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 01-Nov-02 **Analyzed:** 04-Nov-02 11:31 AKE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
95-95-4	2,4,5-Trichlorophenol	1	ND		25.0
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0
99-35-4	1,3,5-Trinitrobenzene (sym-Trinitro	1	ND		10.0

111 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
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11/6/2002 16:50:09

Laboratory Certifications:
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Project No.: 2015132

Parameter	Batch	Blank	ARL	Units	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	DUP RPD	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Mercury	20958	ND	0.200	ug/L	1.00	100			1.00	96	98	2		80 - 120	75 - 125	20	
Arsenic	20960	ND	10.0	ug/L	1000.00	105			2000.00	105	106	1		79 - 121	76 - 126	20	
Barium	20960	ND	200.	ug/L	1000.00	105			2000.00	105	104	1		81 - 122	54 - 137	20	
Cadmium	20960	ND	5.00	ug/L	1000.00	106			50.00	103	104	2		80 - 117	54 - 119	20	
Chromium	20960	ND	10.0	ug/L	1000.00	106			200.00	106	107	1		80 - 123	60 - 130	20	
Copper	20960	ND	25.0	ug/L	1000.00	106			250.00	112	111	1		82 - 124	68 - 136	20	
Lead	20960	ND	3.00	ug/L	1000.00	106			500.00	108	108	1		81 - 122	59 - 131	20	
Nickel	20960	ND	40.0	ug/L	1000.00	107			500.00	106	107	1		77 - 124	56 - 136	20	
Selenium	20960	ND	10.0	ug/L	1000.00	106			2000.00	103	105	2		76 - 117	57 - 129	20	
Silver	20960	ND	10.0	ug/L	500.00	100			50.00	73	76	4		76 - 120	0 - 152	20	

#Error
ARL denotes Adjusted Reporting Limit , corrected for sample size, dilution and moisture content as applicable.
* denotes recovery outside of QC limits.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Report Qualifiers

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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

Project No.: 2015132

ALL Qualifiers

Qualifier	Qualifier Description
N	See narrative for a detailed explanation.

Analyte Qualifiers

Qualifier	Qualifier Description
A5	The result for benzidine was based on a single point calibration and manual search.
A7	3-Methylphenol and 4-methylphenol coelute under the conditions used for analysis, therefore the precise isomer in the sample cannot be determined. The sample concentration is arbitrarily reported as 4-methylphenol.
A10	N-Nitrosodiphenylamine is reported as diphenylamine.
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.

Laboratory Certifications:
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CHAIN-OF-CUSTODY / Analytical Request Document

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

616876

Page: 1 of 1

Required Client Information: **Section A**

Company: Eco-Systems, Inc
Address: 439 Katherine Dr Ste. 2A
Jackson, MS 39208
Phone: 601-936-4440
Fax: 601-936-4463

Required Client Information: **Section B**

Report To: Charles Coney
Copy To:
Invoice To: Same
P.O.:
Project Name: Textron
Project Number: CAP 22039

Client Information (Check quote/contract):
Requested Due Date:
*TAT: Normal

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

To Be Completed by Pace Analytical and Client **Section C**

Quote Reference:
Project Manager:
Project #:
Profile #:
Requested Analysis:

Section D **Required** Client Information:

SAMPLE ID
One character per box.
(A–Z, 0–9 / .–)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED (mm / dd / yy)	TIME COLLECTED (hh:mm a/p)	# Containers	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Remarks / Lab ID
1	TAC-SWMU2-GW-05-10	WT	10/22/02	1215	6	2								
2	TAC-SWMU2-GW-02-10			1400	6	2								
3	TAC-SWMU2-GW 04-10				6	2								
4	TAC-SWMU2-GW 23-10			1505	6	2								
5	TAC-SWMU2-GW-02D-10			1400	6	2								
6														
7														
8														
9														
10														
11														
12														

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS
FEDEX 8369	1684 5699	22 OCT 02	2

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Charles V. Coney / Ecosys	22 OCT 02		FEDEX	22 OCT 02	1715
	[illegible] / FEDEX			Annie W. Dish / PACE	10-23-01	10:25

SAMPLE CONDITION

Temp in °C	1.9
Received on Ice	(Y)/N
Sealed Cooler	(Y)/N
Samples Intact	Y/(N)

SAMPLE NOTES
5703

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Charles V. Coney
SIGNATURE of SAMPLER: Charles V. Coney
DATE Signed: (MM / DD / YY) 10/22/02

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

Form COC01 Rev 0601