AUG 2 4 1999

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MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

James I. Palmer, Jr., Executive Director

August 20, 1999

Mr. Don Williams, Plant Environmental Coordinator
Randall Division of Textron, Inc.
635 Highway 332
Grenada, MS 38901

Dear Mr. Williams:

Re: Semi-Annual Sampling Report
2nd and 3rd Quarters, 1999
Textron Automotive Company
Grenada, Grenada County
MSD 007 037 278

Review has been completed of the referenced document, and we have no specific comments. In accordance with Permit Condition IV.E.2.a. no determination can yet be made relative to the presence of constituents in the downgradient wells.

If you have any questions, please call me at 601-961-5117.

Sincerely,

Louis Crawford, P.E.
Environmental Permits Division

pc: Mr. Caleb Dana, Jr., P.E., Eco-Systems, Inc.
Ms. Lael Butler, U.S. EPA Region 4 THIS COPY FOR

d32/textron/gw2-99-1

OFFICE OF POLLUTION CONTROL
P.O. Box 10385 Jackson, MS 39289.0385 Phone 601.961.5171 Fax 601.354.6612

Eco•Systems, Inc.
Consultants, Engineers and Scientists

January 15, 1999

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: Quarterly Groundwater Sampling Report
1st Quarterly Sampling Event (Q-4 98)
HWMP No. HW-007-037-278
Textron Automotive Company, Inc.
Grenada, Grenada County, Mississippi

RECEIVED
JUL 30 1999
DEPT. OF ENVIRONMENTAL QUALITY

Dear Mr. Crawford:

This Quarterly Groundwater Sampling Report is submitted on behalf of the Textron Automotive Company, Inc. (Textron) to the Mississippi Department of Environmental Quality (MDEQ). The report presents the laboratory analytical results for groundwater samples collected during the first quarterly sampling event as required by the HWMP No. HW-007-037-278 for the Textron facility located in Grenada, Mississippi. The sampling was performed during November, 1998 (Q-4 98) for the groundwater monitoring wells installed adjacent to the SWMU#2. The document is provided in a three-ring binder that may be used for the incorporation of the future quarterly reports.

Although the data reveals detections of Trichloroethylene (TCE) and daughter break-down products in the down-gradient wells, it should be noted that TCE was also detected in the up-gradient well. In addition, monitor well MW-2 appears to be cross-gradient and south of SWMU#2. Therefore, the sources of the detected organic constituents observed are believed to be from sources other than the SWMU#2. The data does not indicate a definitive release from the SWMU#2.

If you have any questions, please do not hesitate to call Mr. Don Williams at (601) 226-1161 or Caleb Dana at (601) 936-4440.

Very truly yours,
Eco·Systems, Inc.

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

c: Mr. Don Williams w/copy

4294 Lakeland Drive, Suite 200 • Jackson, MS 39208 • Phone (601) 936-4440 • Fax (601) 936-4463

Eco•Systems, Inc.
Consultants, Engineers and Scientists

July 21, 1999

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

RECEIVED
JUL 30 1999
DEPT. OF ENVIRONMENTAL QUALITY

Re: Quarterly Groundwater Sampling Report
2nd and 3rd Quarterly Sampling Events (Q-1 99 and Q-2 99)
HWMP No. HW-007-037-278
Textron Automotive Company, Inc.
Grenada, Grenada County, Mississippi

Dear Mr. Crawford:

These enclosed Quarterly Groundwater Sampling Reports are submitted on behalf of the Textron Automotive Company, Inc. (Textron) to the Mississippi Department of Environmental Quality (MDEQ). The reports present the laboratory analytical results for groundwater samples collected during the second and third quarterly sampling events as required by the HWMP No. HW-007-037-278 for the Textron facility located in Grenada, Mississippi. The sampling was performed during February, 1999 (Q-1 99) and April, 1999 (Q-2 99) for the groundwater monitoring wells installed adjacent to the SWMU#2. The document may be placed in the three-ring binder that was previously provided with the first quarterly data report submitted January 15, 1999.

Although the data reveals detections of Trichloroethylene (TCE) and daughter break-down products in the down-gradient wells, it should be noted that TCE was also detected in the up-gradient well. In addition, monitor well MW-2 appears to be cross-gradient and south of SWMU#2. Therefore, the sources of the detected organic constituents observed are believed to be from sources other than the SWMU#2. The data does not indicate a definitive release from the SWMU#2, but will be evaluated in conjunction with the data to be gathered during the fourth quarterly sampling event.

If you have any questions, please do not hesitate to call Mr. Don Williams at (601) 226-1161 or Caleb Dana at (601) 936-4440.

Very truly yours,
Eco·Systems, Inc.

Jeffrey L. All FOR
Caleb H. Dana, Jr., P.E., CHMM
Principal Engineer

c: Mr. Don Williams w/copy

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AUG 2 4 1999

Eco•Systems, Inc.

Consultants, Engineers and Scientists

July 21, 1999

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

RECEIVED
JUL 30 1999
DEPT. OF ENVIRONMENTAL QUALITY

Re: Quarterly Groundwater Sampling Report
2nd and 3rd Quarterly Sampling Events (Q-1 99 and Q-2 99)
HWMP No. HW-007-037-278
Textron Automotive Company, Inc.
Grenada, Grenada County, Mississippi

Dear Mr. Crawford:

These enclosed Quarterly Groundwater Sampling Reports are submitted on behalf of the Textron Automotive Company, Inc. (Textron) to the Mississippi Department of Environmental Quality (MDEQ). The reports present the laboratory analytical results for groundwater samples collected during the second and third quarterly sampling events as required by the HWMP No. HW-007-037-278 for the Textron facility located in Grenada, Mississippi. The sampling was performed during February, 1999 (Q-1 99) and April, 1999 (Q-2 99) for the groundwater monitoring wells installed adjacent to the SWMU#2. The document may be placed in the three-ring binder that was previously provided with the first quarterly data report submitted January 15, 1999.

Although the data reveals detections of Trichloroethylene (TCE) and daughter break-down products in the down-gradient wells, it should be noted that TCE was also detected in the up-gradient well. In addition, monitor well MW-2 appears to be cross-gradient and south of SWMU#2. Therefore, the sources of the detected organic constituents observed are believed to be from sources other than the SWMU#2. The data does not indicate a definitive release from the SWMU#2, but will be evaluated in conjunction with the data to be gathered during the fourth quarterly sampling event.

If you have any questions, please do not hesitate to call Mr. Don Williams at (601) 226-1161 or Caleb Dana at (601) 936-4440.

Very truly yours,
Eco·Systems, Inc.

Jeffrey L. All FOR

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

c: Mr. Don Williams w/copy

4294 Lakeland Drive, Suite 200 • Jackson, MS 39208 • Phone (601) 936-4440 • Fax (601) 936-4463

Eco•Systems, Inc.
Consultants, Engineers and Scientists

July 20, 1999

Mr. Don Williams
Plant Environmental Coordinator
Randall Division of Textron, Inc.
635 Highway 332
Grenada, Mississippi 38901

Re: Quarterly Groundwater Sampling Report
3rd Quarterly Sampling Event (Q-2 99)
HWMP No. HW-007-037-278
Textron Automotive Company, Inc.
Grenada, Mississippi

Dear Mr. Williams:

Enclosed please find a copy of the 3rd Quarterly (Q-2 99) Groundwater Sampling Report for the Textron Automotive Company, Inc. (Textron) facility located in Grenada, Mississippi. The report presents the laboratory analytical results for groundwater samples collected during the third quarterly sampling event as required by the HWMP No. HW-007-037-278 for Textron. The sampling was performed during April, 1999 for the groundwater monitoring wells installed adjacent to the SWMU#2. The document may be placed in the three-ring binder that was provided with the 1st quarterly report (Q-4 98).

Please note that the HWMP requires submittal of data that is available be submitted by August 1, 1999 to the Mississippi Department of Environmental Quality (MDEQ). We will assist you with that submittal separately.

We appreciate the opportunity to be of service to Textron Automotive Company, Inc. If you have any questions, please do not hesitate to call me at (601) 936-4440.

Very truly yours,

Jeffrey L. Ahl FOR

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

Enclosure

4294 Lakeland Drive, Suite 200 • Jackson, MS 39208 • Phone (601) 936-4440 • Fax (601) 936-4463

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ATTACHMENT B ANALYTICAL DATA SHEETS

1.0 INTRODUCTION

Eco·Systems, Inc. (*Eco·Systems*) has received final analytical results for the Second Quarter, 1999 (Q-2 99) quarterly groundwater samples collected at Textron Automotive Company's (Textron) automotive parts plant in Grenada, Mississippi. This sampling and analysis effort represents Textron's third round of quarterly sampling required under Section IV. E.1 of Textron's Hazardous Waste Management (HWM) permit No. MSD007037278. Field activities were conducted on April 29, 1999. This report may be filed in your RCRA Quarterly Groundwater Monitoring (Solid Waste Management Unit (SWMU) #2) binder provided with the Fourth Quarter, 1998 sampling report (dated January 15, 1999).

Background information pertaining to the Site may be referenced in the Fourth Quarter, 1998 report. Groundwater collection methodologies, sample identification rationale, analytical methods, quality assurance/quality control (QA/QC) procedures, and historical groundwater sampling results for the Site are included in the Fourth Quarter, 1999 report for review. Analytical results for the Second Quarter, 1999 sampling event are presented in subsequent sections organized as follows:

- Investigative results of the Q-2 99 sampling event (Section 2.0); and
- A report summary and conclusions (Section 3.0).

2.0 GROUNDWATER SAMPLING RESULTS

Groundwater samples were collected from the four (4) monitoring wells specified in the permit on April 29, 1999 utilizing methods and procedures described in Section 2.0 of the Fourth Quarter, 1998 report. Each groundwater sample was analyzed for Appendix IX Volatile Organics, Semivolatile Organics, and the eight (8) RCRA Metals as specified in the RCRA permit. As presented below, detectable results of several compounds of concern (Table 1;Figure 1) were identified from groundwater collected during this event. Groundwater collection forms are provided in Appendix A and laboratory analytical data sheets may be found in Appendix B.

2.1 APPENDIX IX VOLATILES

Groundwater analytical results received from the laboratory analysis indicated that all four (4) of the wells sampled during this event revealed detectable concentrations (greater than the laboratory-derived practical quantitation limit (PQL) of 0.005 milligrams per liter (mg/L), equivalent to parts per million (ppm)), concentrations of at least one (1) of the Appendix IX Volatile Organic Compounds (VOCs; Table 1). Several chlorinated VOCs, including Trichloroethene (TCE), and several potentially associated degradation products, were identified in wells MW-2, MW-4, and MW-5. TCE was detected in each of the wells at levels ranging from 0.119 mg/L in MW-1 to 18.2 mg/L in MW-2. Several other "degradation products" including 1,1-Dichloroethane (1,1-DCA), 1,1-Dichloroethene (1,1-DCE), trans-1,2-Dichloroethene (t,1,2-DCE), 1,1,1-Trichloroethane (1,1,1-TCA), and 1,1,2-Trichloroethane (1,1,2-TCA) were identified in downgradient wells at levels up to 0.073 mg/L (1,1-DCE, MW-2). Vinyl Chloride (VC), one of the final chlorinated degradation products of TCE, was detected in MW-2 and MW-4 at 1.67 mg/L and 0.490 mg/L, respectively.

2.2 APPENDIX IX SEMIVOLATILES

As presented in Table 1, a low level analytical result was identified for one (1) Appendix IX Semivolatile Organic Compound (SVOC) in groundwater samples collected during this event. This SVOC was 1,2,4 Trichlorobenzene and was detected in MW-2 at 0.013 mg/L.

2.3 SELECT APPENDIX IX METALS

Two (2) of the four (4) wells sampled during this event revealed detectable levels (greater than the PQL, Table 1) of at least one (1) of the Appendix IX RCRA Metals. Wells MW-1 and MW-4 revealed non-detect (less than the PQL) levels of all listed metals. Total Chromium was detected in groundwater samples collected from downgradient wells MW-2 and MW-5 at concentrations of 22.3 mg/L and 1.38 mg/L, respectively. All other listed metals were non-detect (less than the PQL) in groundwater collected from all wells sampled during Q-2 99 (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*. Although slightly deviant, this flow pattern appears to be generally consistent with historical patterns reviewed for the Site.

2.5 QA/QC RESULTS

QA/QC procedures were performed in accordance with Textron's QAPP to assure validity of sampling results. A total of one (1) duplicate sample, one (1) trip blank sample, and one matrix spike/matrix spike duplicate (MS/MSD) sample was collected. Duplicate sample (with normal sample for comparison) results are shown in Table 3 and correspond well with the normal sample results. Trip blank results are also shown in Table 3.

An independent QA/QC review was performed on all analytical data collected during the current sampling event. Some samples (flagged with "J" in Table 1 and Table 3) contained high concentrations of target analytes which required the laboratory to dilute the sample in order to bring the analyte in question into the working quantitation range of the instrument used. As a result of this dilution, exact concentrations of the other target analytes in the sample cannot be accurately determined. Results flagged with an "J" were diluted and qualified as estimated.

No target analytes were detected in any of the laboratory blanks. 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 Textron to continue quarterly groundwater sampling and analysis in accordance with the facility's RCRA operating permit for the closed Equalization Lagoon. Water levels and groundwater samples were collected from four (4) monitoring wells on February 4, 1999 and analyzed for Appendix IX Volatiles, Semivolatiles, and selected Metals. The analytical results have been presented in tabular form (Table 1) as well as select compounds of concern illustrated on Figure 1. The potentiometric surface and resultant flow patterns were evaluated through the construction of a potentiometric surface map of the Site (Figure 2). Based on review of the groundwater data collected during Q-2 99, *Eco·Systems* presents the following summary and conclusions:

- The industrial solvent TCE was detected in all downgradient wells at concentrations of 18.2 mg/L (MW-2), 5.25 mg/L (MW-5), and 0.251 mg/L (MW-4). Associated chlorinated degradation products were also observed including VC, which was detected at 1.67 mg/L in MW-2 and 0.490 mg/L in MW-4. The Maximum Contaminant Level (MCL; EPA, December, 1995) for TCE and VC are 0.005 mg/L and 0.002 mg/L, respectively.

- TCE was also detected in the background monitoring well, MW-1, at a concentration of 0.119 mg/L.

- Elevated levels of the metal Chromium (total) were detected in groundwater samples collected from MW-2 and MW-5 at concentrations of 22.3 mg/L and 1.38 mg/L, respectively. The MCL for Total Chromium is 0.100 mg/L.

- The Appendix IX SVOC 1,2,4 Trichlorobenzene was detected in the groundwater sample collected from MW-2 during this event at 0.013 mg/L.

- Groundwater flow across the Site is generally to the northwest.

TABLES

ESI

TABLE 1

GROUNDWATER ANALYTICAL RESULTS

RCRA GROUNDWATER MONITORING - SECOND QUARTER, 1999

TEXTRON AUTOMOTIVE, INC.

GRENADA, MISSISSIPPI

PARAMETER[1]	PQL[2] (mg/L)	RESULT CONCENTRATION (mg/L)[3]			
		MW-1	MW-2	MW-4	MW-5
APPENDIX IX VOLATILES (METHOD 8260)					
Benzene	0.125	ND[4]	ND	ND	ND
Carbon Disulfide	0.125	ND	ND	ND	ND
Chloroethane	0.250	ND	ND	ND	ND
1,1 - Dichloroethane	0.125	ND	ND	0.006	ND
1,1 - Dichloroethene	0.125	ND	0.073	0.011	ND
trans - 1,2-Dichloroethene	0.125	ND	ND	0.069	ND
Tetrachloroethene	0.125	ND	0.063	ND	ND
Toluene	0.125	ND	ND	ND	ND
1,1,1 - Trichloroethane	0.125	ND	ND	ND	ND
1,1,2 - Trichloroethane	0.125	ND	ND	ND	ND
Trichloroethene	0.250	0.119	18.2	0.251	5.72
Vinyl Chloride	0.250	ND	1.670	0.490	ND
Xylene (total)	0.125	ND	ND	ND	ND
All Others Not Listed	0.250 - 25.0	ND	ND	ND	ND
APPENDIX IX SEMI-VOLATILES (METHOD 8270)					
2-Methylnaphthalene	0.010	ND	ND	ND	ND
Pentachlorophenol	0.025	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	0.013	ND	ND
All Other Compounds	0.010 - 0.050	ND	ND	ND	ND

ESI

TABLE 1 (Continued)

GROUNDWATER ANALYTICAL RESULTS

RCRA GROUNDWATER MONITORING - FIRST QUARTER, 1999

TEXTRON AUTOMOTIVE, INC.

GRENADA, MISSISSIPPI

PARAMETER[1]	PQL[2] (mg/L)	RESULT CONCENTRATION (mg/L)[3]			
		MW-1	MW-2	MW-4	MW-5
APPENDIX IX METALS (METHOD 6000/7000 SERIES)					
Arsenic	0.010	ND	ND	ND	ND
Barium	0.200	ND	ND	ND	ND
Cadmium	0.005	ND	ND	ND	ND
Chromium (total)	0.010	ND	22.3	ND	1.38
Lead	0.003	ND	ND	ND	ND
Mercury	0.0002	ND	ND	ND	ND
Selenium	0.005	ND	ND	ND	ND
Silver	0.010	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.

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

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

ESI

TABLE 2

POTENTIOMETRIC SURFACE DATA SHEET

RCRA GROUNDWATER MONITORING - SECOND QUARTER, 1999

TEXTRON AUTOMOTIVE, INC.

GRENADA, MISSISSIPPI

WELL NO.	TOC ELEVATION (ft. MSL)[1]	WATER DEPTH (feet)[2]	GROUNDWATER ELEVATION (ft. MSL)
MW-1	185.18	12.07	173.11
MW-2	184.56	12.06	172.50
MW-3	184.00	12.09	171.91
MW-4	184.33	12.18	172.15
MW-5	184.17	11.97	172.20

[1] TOC = "top of well casing" measured in feet above mean sea level (ft. MSL). The protective metal casing was surveyed by others.

[2] Water depth is a relative depth from the TOC (PVC well).

ESI

TABLE 3

QA/QC ANALYTICAL RESULTS

RCRA GROUNDWATER MONITORING - FIRST QUARTER, 1999

TEXTRON AUTOMOTIVE, INC.

GRENADA, MISSISSIPPI

PARAMETER[1]	PQL[1] (mg/L)	RESULT CONCENTRATIONS (mg/L)[2]		
		Trip Blank	MW-5	Blind Duplicate (from MW-5)
APPENDIX IX VOLATILES (METHOD 8260)				
Benzene	0.005	ND[3]	ND	ND
Chloroethane	0.005	ND	ND	ND
1,1 - Dichloroethane	0.005	ND	ND	ND
1,1 - Dichloroethene	0.005	ND	ND	ND
Ethylbenzene	0.050	ND	ND	ND
Methylene Chloride	0.005	ND	ND	ND
trans - 1,2-Dichloroethene	0.005	ND	ND	ND
Tetrachloroethene	0.005	ND	ND	ND
Toluene	0.005	ND	ND	ND
1,1,1 - Trichloroethane	0.005	ND	ND	ND
1,1,2 - Trichloroethane	0.005	ND	ND	ND
Trichloroethene	0.005	ND	5.72	5.91
Vinyl Chloride	0.010	ND	ND	ND
Xylene (total)	0.005	ND	ND	ND
All Others Not Listed	0.005 - 0.500	ND	ND	ND
APPENDIX IX SEMI-VOLATILES (METHOD 8270)				
2-Methylnaphthalene	0.010	ND	ND	ND
Pentachlorophenol	0.025	ND	ND	ND
1,2,4-Trichlorobenzene	0.010	ND	ND	ND
All Other Compounds	0.010 - 0.050	ND	ND	ND

ESI

TABLE 3 (Continued)

QA/QC ANALYTICAL RESULTS

RCRA GROUNDWATER MONITORING - FIRST QUARTER, 1999

TEXTRON AUTOMOTIVE, INC.

GRENADA, MISSISSIPPI

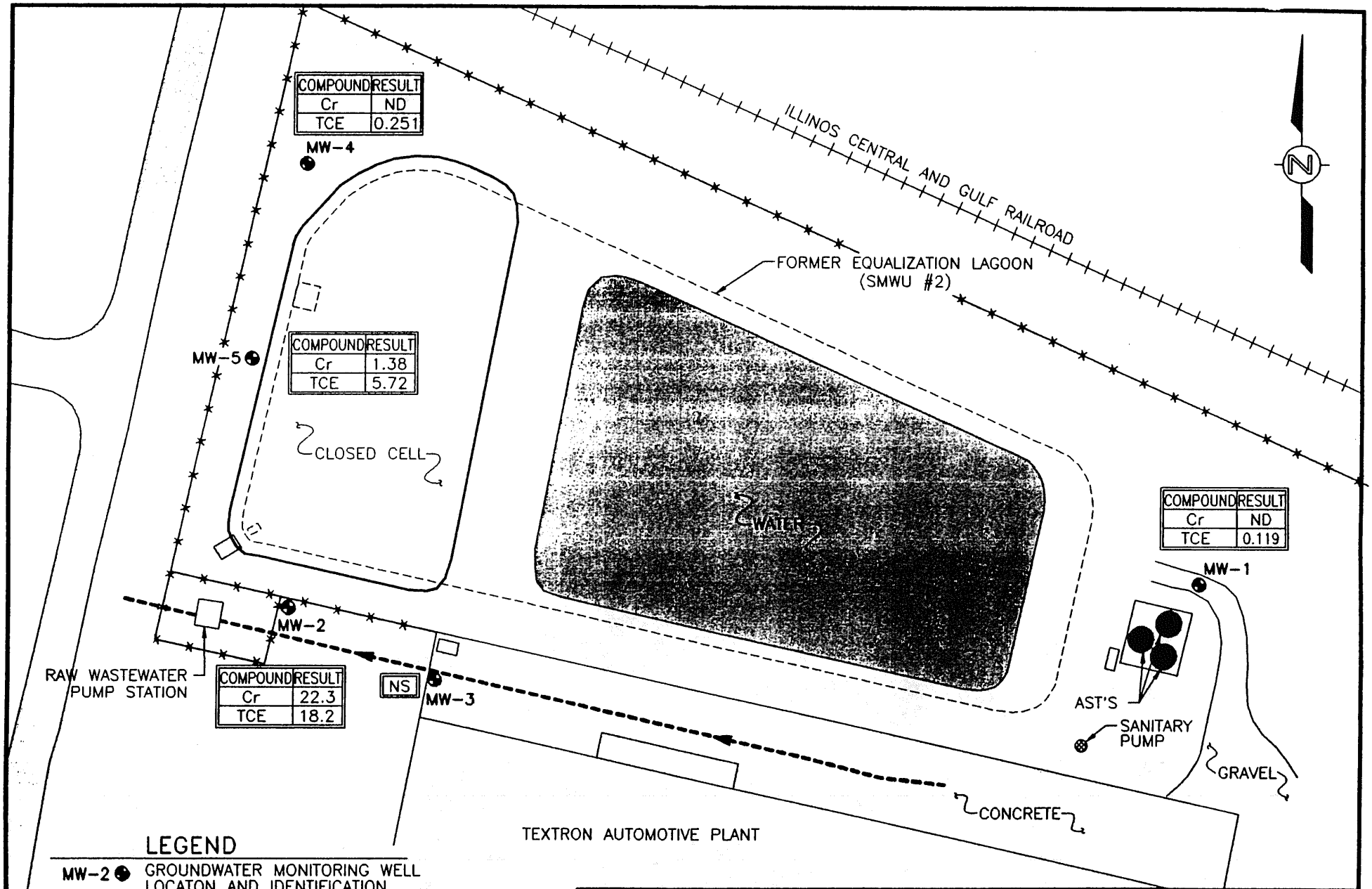
PARAMETER[1]	PQL[1] (mg/L)	RESULT CONCENTRATIONS (mg/L)[2]		
		Trip Blank	MW-2	Blind Duplicate (from MW-2)
APPENDIX IX METALS (METHOD 6000/7000 SERIES)				
Arsenic	0.010	NA	ND	ND
Barium	0.200	NA	ND	ND
Cadmium	0.010	NA	ND	ND
Chromium	0.010	NA	1.38	1.34
Lead	0.003	NA	ND	ND
Mercury	0.0002	NA	ND	ND
Selenium	0.005	NA	ND	ND
Silver	0.010	NA	ND	ND

[1] PQL = Practical quantitation limit, or detection limit, for the individual analyses.

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

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

FIGURES



LEGEND

MW-2 ● GROUNDWATER MONITORING WELL LOCATON AND IDENTIFICATION

COMPOUND RESULT Cr 26.5 TCE 11.0 — ANALYTICAL RESULT FOR TOTAL CHROMIUM (Cr) AND TRICHLOROETHENE (TCE) IN PARTS PER MILLION (ppm)

NS — WELL NOT SAMPLED

PROCESS WASTEWATER WITH FLOW DIRECTION

FENCE LINE

SOURCE: MODIFIED AFTER GERAGHTY & MILLER, INC. – 9-2-92

TEXTRON AUTOMOTIVE COMPANY
GRENADA, MISSISSIPPI

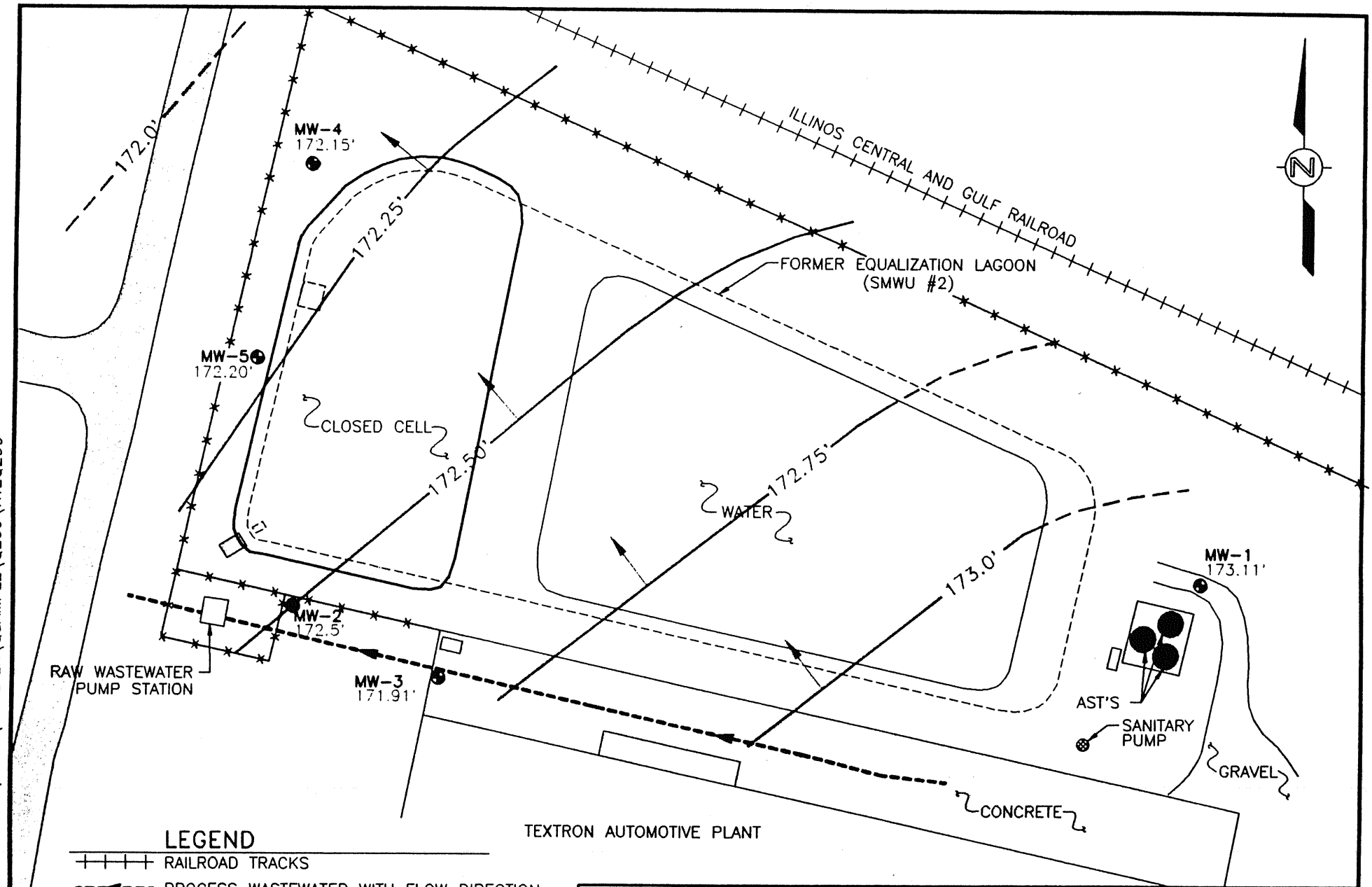
Eco·Systems, Inc.
Environmental Engineers and Scientists

APPROX. SCALE 1"=80'	DRAWN BY: A. LUQUET	DATE: 7-20-99
	CHKD. BY: WS	DATE: 7-20-99
PROJECT NO. TAC99023	CAD FILE RTQ299.DWG	

GROUNDWATER ANALYTICAL RESULTS OF CONCERN SECOND QUARTER, 1999

FIGURE 1

A.L. 07/20/1999 13:53 E:\DRWG\RNDLTEX\QSAMPLE\Q299\RTQ299



LEGEND

- RAILROAD TRACKS
- PROCESS WASTEWATER WITH FLOW DIRECTION
- MW-2 171.88 — GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WTIH GROUNDWATER ELEVATION (FT. MSL)
- FENCE LINE
- 172.0 — POTENTIOMETRIC SURFACE CONTOUR WITH FLOW DIRECTION

SOURCE: MODIFIED AFTER GERAGHTY & MILLER, INC. – 9-2-92.

TEXTRON AUTOMOTIVE COMPANY GRENADA, MISSISSIPPI	APPROX. SCALE 1"=80'	DRAWN BY: A. LUQUET	DATE: 7-20-99
		CHKD. BY: VS	DATE: 7-20-99
	PROJECT NO. TAC99023	CAD FILE RT2Q299.DWG	
Eco-Systems, Inc. *Environmental Engineers and Scientists*	POTENTIOMETRIC SURFACE MAP SECOND QUARTER, 1999 APRIL 29, 1999		FIGURE 2

A.L. 07/20/1999 13:58 E:\DRWG\RNDLTEX\QSAMPLE\Q299\RT2Q299

ATTACHMENT A

GROUNDWATER COLLECTION REPORTS

GROUNDWATER SAMPLE COLLECTION REPORT

FIELD LOG

PROJECT NAME: TEXTRON - Q2-'99
LOCATION: GRENADA, MS
COLLECTOR (S): WS/JR
WELL IDENTIFICATION: MW-1

MONITORING WELL DATA

TOP OF CASING TO STATIC WATER LEVEL: 12.07
TOP OF CASING TO BOTTOM: —
ELEVATION TOP OF CASING: 185.18

MONITORING WELL EVACUATION

EVACUATION: (DATE/TIME) 4-29-99 08:19
METHOD OF EVACUATION: (LF/LS) LOW FLOW / LOW STRESS w/ PERISTATIC PUMP
PURGE/SAMPLING DEPTH (FEET B.T.O.C.) 17.5'
TOTAL GALLONS EVACUATED: 3 GAL.
WATER LEVEL FOLLOWING EVACUATION: 12.28

MONITORING WELL SAMPLING

SAMPLING (DATE/TIME): 4-29-99 08:35
METHOD OF SAMPLING: LF/LS
WATER LEVEL FOLLOWING SAMPLING: 12.26
TYPE OF SAMPLE: GW
GRAB: X COMPOSITE: OTHER:

SAMPLE REPRESENTATIVENESS DATA

TIME	CUMULATIVE VOLUME	TEMP.	pH	CONDUCTIVITY	TURBIDITY
820	0.25	24°C	5.8	480	<10
821	0.5	24°C	5.7	470	<10
823	1.0	24°C	5.7	460	<10
825	1.5	24°C	5.7	450	<10
827	2.0	24°C	5.7	450	<10
830	2.5	24°C	5.7	450	<10

GENERAL INFORMATION

WEATHER CONDITIONS AT TIMES OF SAMPLING: Cloudy, Cool
SAMPLE IDENTIFICATION: TAC-SWMU2-GW-01-03
CONTAINERS AND PRESERVATIVES: SEE DATA SHEETS
COMMENTS AND OBSERVATIONS:

RECOMMENDATIONS:

CERTIFICATION

SIGNATURE: [signature] DATE: 4-29-99

Eco•Systems, Inc.

GROUNDWATER SAMPLE COLLECTION REPORT

FIELD LOG

PROJECT NAME: TEXTRON - Q2,99
LOCATION: GRENADA, MS
COLLECTOR (S): WS
WELL IDENTIFICATION: MW-2

MONITORING WELL DATA

TOP OF CASING TO STATIC WATER LEVEL: 12.06
TOP OF CASING TO BOTTOM: —
ELEVATION TOP OF CASING: —

MONITORING WELL EVACUATION

EVACUATION: (DATE/TIME) 4-29-99 935
METHOD OF EVACUATION: LF/LS
PURGE/SAMPLING DEPTH (FEET B.T.O.C.) 15.0'
TOTAL GALLONS EVACUATED: 11
WATER LEVEL FOLLOWING EVACUATION: 12.21

MONITORING WELL SAMPLING

SAMPLING (DATE/TIME): 4-29-99 1000
METHOD OF SAMPLING: LF/LS
WATER LEVEL FOLLOWING SAMPLING: 12.21
TYPE OF SAMPLE: GW
GRAB: X COMPOSITE: OTHER:

SAMPLE REPRESENTATIVENESS DATA

TIME	CUMULATIVE VOLUME	TEMP.	pH	CONDUCTIVITY	TURBIDITY
944	8.5	24°C	6.1	640	<10
946	9.0	24°C	6.1	630	
948	9.5	24°C	6.1	640	
950	10.0	24°C	6.1	640	

GENERAL INFORMATION

WEATHER CONDITIONS AT TIMES OF SAMPLING: Partly Cloudy, cool
SAMPLE IDENTIFICATION: TAC-SWMU2-GW-Ø2-Ø3
CONTAINERS AND PRESERVATIVES: See Data sheets
COMMENTS AND OBSERVATIONS: Collected MS/MSD sample also

RECOMMENDATIONS:

CERTIFICATION
SIGNATURE: [signature] DATE: 4-29-99

Eco•Systems, Inc.

GROUNDWATER SAMPLE COLLECTION REPORT

FIELD LOG

PROJECT NAME Textron - Q-2, '99

LOCATION Grenada, MS

COLLECTOR (S) WS

WELL IDENTIFICATION MW-4

MONITORING WELL DATA

TOP OF CASING TO STATIC WATER LEVEL 12.18 -

TOP OF CASING TO BOTTOM -

ELEVATION TOP OF CASING -

MONITORING WELL EVACUATION

EVACUATION: (DATE/TIME) 4-29-99 ; 655

METHOD OF EVACUATION: Low Flow / Low stress w/ Peristaltic pump

PURGE/SAMPLING DEPTH (FEET B.T.O.C.) Top of Column

TOTAL GALLONS EVACUATED: 2

WATER LEVEL FOLLOWING EVACUATION: Dry

MONITORING WELL SAMPLING

SAMPLING (DATE/TIME): 4-29-99 ; 1155

METHOD OF SAMPLING: Peristaltic Pump

WATER LEVEL FOLLOWING SAMPLING: —

TYPE OF SAMPLE: GW

GRAB: X COMPOSITE: OTHER:

SAMPLE REPRESENTATIVENESS DATA

TIME: CUMULATIVE VOLUME: TEMP.: pH: CONDUCTIVITY: TURBIDITY:

TIME: CUMULATIVE VOLUME: No TEMP.: Metering pH: CONDUCTIVITY: TURBIDITY:

TIME: CUMULATIVE VOLUME: TEMP.: Dry pH: CONDUCTIVITY: TURBIDITY:

TIME: CUMULATIVE VOLUME: Purge TEMP.: pH: CONDUCTIVITY: TURBIDITY:

TIME: CUMULATIVE VOLUME: TEMP.: pH: CONDUCTIVITY: TURBIDITY:

TIME: CUMULATIVE VOLUME: TEMP.: pH: CONDUCTIVITY: TURBIDITY:

GENERAL INFORMATION

WEATHER CONDITIONS AT TIMES OF SAMPLING: Cloudy, Cool

SAMPLE IDENTIFICATION: TAC - SWMU2 - GW - Ø4 - Ø3

CONTAINERS AND PRESERVATIVES: See data sheets

COMMENTS AND OBSERVATIONS: Slight unnatural odor ; Very slow recharge

RECOMMENDATIONS:

CERTIFICATION

NATURE: [signature] DATE: 4-29-99

Eco•Systems, Inc.

GROUNDWATER SAMPLE COLLECTION REPORT

FIELD LOG

PROJECT NAME: TEXTRON
LOCATION: GRENADA, MS
COLLECTOR (S): WS
WELL IDENTIFICATION: MW-5

MONITORING WELL DATA

TOP OF CASING TO STATIC WATER LEVEL: 12.10
TOP OF CASING TO BOTTOM: —
ELEVATION TOP OF CASING: 184.17

MONITORING WELL EVACUATION

EVACUATION: (DATE/TIME) 4-29-99 07:12
METHOD OF EVACUATION: LF/LS
PURGE/SAMPLING DEPTH (FEET B.T.O.C.) 16.5'
TOTAL GALLONS EVACUATED: 4 GAL.
WATER LEVEL FOLLOWING EVACUATION: 12.10

MONITORING WELL SAMPLING

SAMPLING (DATE/TIME): 4-29-99 07:30
METHOD OF SAMPLING: LF/LS
WATER LEVEL FOLLOWING SAMPLING: 12.10
TYPE OF SAMPLE: GW
GRAB: X COMPOSITE: ____ OTHER: ____

SAMPLE REPRESENTATIVENESS DATA

TIME	CUMULATIVE VOLUME	TEMP.	pH	CONDUCTIVITY	TURBIDITY
714	0.5	24°C	6.1	810	25
716	1.5	24°C	6.0	800	25
718	2.5	24°C	5.9	710	25
720	3.0	24°C	5.9	700	25
722	3.5	24°C	5.9	700	25

GENERAL INFORMATION

WEATHER CONDITIONS AT TIMES OF SAMPLING: CLOUDY, COOL
SAMPLE IDENTIFICATION: TAC-SWMU #2-GW-05-03 / TAC-SWMU #2-GW-05-03D
CONTAINERS AND PRESERVATIVES: SEE DATA SHEET
COMMENTS AND OBSERVATIONS:
RECOMMENDATIONS:

CERTIFICATION
SIGNATURE: [signature]
DATE: 4-29-99

Eco•Systems, Inc.

ATTACHMENT B

LABORATORY ANALYTICAL DATA SHEETS

Pace Analytical

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

Tel: 504-469-0333
Fax: 504-469-0555

John Ryan
Eco-Systems, Incorporated/MS
4294 Lakeland Drive
Suite 200
Jackson, MS 39208

Project: Q2-GW SAMPLING
Site:
Episode: RSE

To: John Ryan

Enclosed please find the analytical results for sample(s) received by Pace Analytical Services, Inc. - New Orleans.

This report contains a summary of the quality control data associated with the analyses as well as copies of the chain-of-custody documents.

You may direct any inquires concerning this report to your Project Manager, or any one of the Project Managers listed below:

Ms. Karen H. Brown, Manager, Ext. 325
Mr. William R. Shackelford, Ext. 326
Ms. Cindy Olavesen, Ext. 327

Sincerely,

Randy Shackelford
Project Manager

5/21/99
Date

Enclosures

Pace Analytical Services, Inc. - New Orleans
Sample Cross Reference Summary

Episode: RSE Client: Eco-Systems, Incorporated/MS

Project: Q2-GW SAMPLING

Site:

Lab ID	Client ID	Description	Matrix	Collected	Received
RSE-001	TAC-SWMU2-GW-05-03		Water	04/29/99	04/30/99
RSE-002	TAC-SWMU2-GW-01-03		Water	04/29/99	04/30/99
RSE-003	TAC-SWMU2-GW-02-03		Water	04/29/99	04/30/99
RSE-004	TAC-SWMU2-GW-02-03	MATRIX SPIKE	Water	04/29/99	04/30/99
RSE-005	TAC-SWMU2-GW-02-03	MATRIX SPIKE DUPLICATE	Water	04/29/99	04/30/99
RSE-006	TAC-SWMU2-GW-05-03D		Water	04/29/99	04/30/99
RSE-007	TAC-SWMU2-AB-02		Water	04/29/99	04/30/99
RSE-008	TAC-SWMU2-GW-04-03		Water	04/29/99	04/30/99
RSE-009	TAC-SWMU2-TB-03		Water	04/29/99	04/30/99

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-05-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-001	**Episode:**	RSE
		Sample Qu:	D1 D6
Description:	None	**Matrix:**	Water
		% Moisture:	n/a
Method:	SW 8260 Appendix IX Volatile Organics	**Prep Level:**	Water
		Batch:	30211
		Units:	ug/l
		Target List:	8260AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
Prepared:		**Analyzed:**	11-May-99 11:16 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	25	ND		250	
75-05-8	Acetonitrile (Methyl cyanide)	25	ND		1250	
107-02-8	Acrolein (2-Propenal)	25	ND		250	
107-13-1	Acrylonitrile (2-Propenenitrile)	25	ND		250	
107-05-1	Allyl chloride (3-Chloropropene)	25	ND		125	
71-43-2	Benzene	25	ND		125	
75-27-4	Bromodichloromethane	25	ND		125	
75-25-2	Bromoform	25	ND		125	
74-83-9	Bromomethane (Methyl bromide)	25	ND		250	
78-93-3	2-Butanone (Methyl ethyl ketone)	25	ND		250	
75-15-0	Carbon disulfide	25	ND		125	
56-23-5	Carbon tetrachloride	25	ND		125	
108-90-7	Chlorobenzene	25	ND		125	
75-00-3	Chloroethane	25	ND		250	
67-66-3	Chloroform	25	ND		125	
74-87-3	Chloromethane (Methyl chloride)	25	ND		250	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	25	ND		1250	
124-48-1	Dibromochloromethane	25	ND		125	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	25	ND		125	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	25	ND		125	
74-95-3	Dibromomethane (Methylene bromide)	25	ND		125	
110-57-6	trans-1,4-Dichloro-2-butene	25	ND		125	
75-71-8	Dichlorodifluoromethane (Freon 12)	25	ND		1250	
75-34-3	1,1-Dichloroethane	25	ND		125	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	25	ND		125	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	25	ND		125	
156-60-5	trans-1,2-Dichloroethene	25	ND		125	
78-87-5	1,2-Dichloropropane	25	ND		125	
10061-01-5	cis-1,3-Dichloropropene	25	ND		125	
10061-02-6	trans-1,3-Dichloropropene	25	ND		125	
123-91-1	1,4-Dioxane	25	ND		12500	
100-41-4	Ethylbenzene	25	ND		125	
591-78-6	2-Hexanone	25	ND		250	
74-88-4	Iodomethane (Methyl iodide)	25	ND		125	

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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03
Project: Q2-GW SAMPLING
Lab ID: RSE-001
Description: None
Method: SW 8260 Appendix IX Volatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu: D1 D6
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30211
Units: ug/l
Target List: 8260AP9WAT
Prep Factor: 1.00
Leached: n/a
Prepared:
Analyzed: 11-May-99 11:16 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	25	ND		250	
75-05-8	Acetonitrile (Methyl cyanide)	25	ND		1250	
107-02-8	Acrolein (2-Propenal)	25	ND		250	
107-13-1	Acrylonitrile (2-Propenenitrile)	25	ND		250	
107-05-1	Allyl chloride (3-Chloropropene)	25	ND		125	
71-43-2	Benzene	25	ND		125	
75-27-4	Bromodichloromethane	25	ND		125	
75-25-2	Bromoform	25	ND		125	
74-83-9	Bromomethane (Methyl bromide)	25	ND		250	
78-93-3	2-Butanone (Methyl ethyl ketone)	25	ND		250	
75-15-0	Carbon disulfide	25	ND		125	
56-23-5	Carbon tetrachloride	25	ND		125	
108-90-7	Chlorobenzene	25	ND		125	
75-00-3	Chloroethane	25	ND		250	
67-66-3	Chloroform	25	ND		125	
74-87-3	Chloromethane (Methyl chloride)	25	ND		250	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	25	ND		1250	
124-48-1	Dibromochloromethane	25	ND		125	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	25	ND		125	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	25	ND		125	
74-95-3	Dibromomethane (Methylene bromide)	25	ND		125	
110-57-6	trans-1,4-Dichloro-2-butene	25	ND		125	
75-71-8	Dichlorodifluoromethane (Freon 12)	25	ND		1250	
75-34-3	1,1-Dichloroethane	25	ND		125	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	25	ND		125	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	25	ND		125	
156-60-5	trans-1,2-Dichloroethene	25	ND		125	
78-87-5	1,2-Dichloropropane	25	ND		125	
10061-01-5	cis-1,3-Dichloropropene	25	ND		125	
10061-02-6	trans-1,3-Dichloropropene	25	ND		125	
123-91-1	1,4-Dioxane	25	ND		12500	
100-41-4	Ethylbenzene	25	ND		125	
591-78-6	2-Hexanone	25	ND		250	
74-88-4	Iodomethane (Methyl iodide)	25	ND		125	

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.

5/20/99 18:38:26

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-05-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-001	**Episode:**	RSE
		Sample Qu:	D1 D6
Description:	None	**Matrix:**	Water
		% Moisture:	n/a
Method:	SW 8260 Appendix IX Volatile Organics	**Prep Level:**	Water
		Batch:	30211
		Units:	ug/l
		Target List:	8260AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
		Prepared:	
		Analyzed:	11-May-99 11:16 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	25	ND		12500	
126-98-7	Methacrylonitrile	25	ND		125	
75-09-2	Methylene chloride (Dichloromethane)	25	ND		125	
108-10-1	4-Methyl-2-pentanone (MIBK)	25	ND		250	
107-12-0	Propionitrile (Ethyl cyanide)	25	ND		250	
100-42-4	Styrene	25	ND		125	
630-20-6	1,1,1,2-Tetrachloroethane	25	ND		125	
79-34-5	1,1,2,2-Tetrachloroethane	25	ND		125	
127-18-4	Tetrachloroethene (Perchloroethylene)	25	ND		125	
108-88-3	Toluene	25	ND		125	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	25	ND		125	
79-00-5	1,1,2-Trichloroethane	25	ND		125	
79-01-6	Trichloroethene (Trichloroethylene)	50	5720	D1	250	
75-69-4	Trichlorofluoromethane (Freon 11)	25	ND		125	
96-18-4	1,2,3-Trichloropropane	25	ND		125	
108-05-4	Vinyl acetate	25	ND		250	
75-01-4	Vinyl chloride (Chloroethene)	25	ND		250	
1330-20-7	Xylene (total)	25	ND		125	

52 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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03
Project: Q2-GW SAMPLING
Lab ID: RSE-001
Description: None
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 04-May-99
Analyzed: 14-May-99 22:02 JA

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	
207-08-09	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 phenyl ether	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	bis(2-Chloroisopropyl) ether	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		10.0	
120-83-2	2,4-Dichlorophenol	1	ND		20.0	

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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-05-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-001	**Episode:**	RSE
Sample Qu:			
Description:	None	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	**Prep Level:**	Water
Batch:	30204		
		Units:	ug/l
Target List:	8270AP9WAT		
Prep Factor:	1.00	**Leached:**	n/a
Prepared:	04-May-99	**Analyzed:**	14-May-99 22:02 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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	
91-57-6	2-Methylnaphthalene	1	ND		10.0	
95-48-7	2-Methylphenol (o-Cresol)	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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-05-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-001	**Episode:**	RSE
Sample Qu:			
Description:	None	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	**Prep Level:**	Water
Batch:	30204		
		Units:	ug/l
Target List:	8270AP9WAT		
Prep Factor:	1.00	**Leached:**	n/a
Prepared:	04-May-99	**Analyzed:**	14-May-99 22:02 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND		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	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		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	
99-55-8	5-Nitro-o-toluidine	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	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-05-03	Client:	ECO-SYSTEMS, INCORPORATED/MS		
Project:	Q2-GW SAMPLING	Site:	None		
Lab ID:	RSE-001	Episode:	RSE	Sample Qu:	
Description:	None	Matrix:	Water	% Moisture:	n/a
Method:	SW 8270 Appendix IX Semivolatile Organics	Prep Level:	Water	Batch:	30204
		Units:	ug/l	Target List:	8270AP9WAT
Prep Factor:	1.00 Leached: n/a	Prepared:	04-May-99	Analyzed:	14-May-99 22:02 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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

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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-01-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-002	**Episode:**	RSE
Sample Qu:			
Description:	None	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8260 Appendix IX Volatile Organics	**Prep Level:**	Water
Batch:	30211		
Units:	ug/l	**Target List:**	8260AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
Prepared:		**Analyzed:**	05-May-99 15:19 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	1	ND		10.0	
75-05-8	Acetonitrile (Methyl cyanide)	1	ND		50.0	
107-02-8	Acrolein (2-Propenal)	1	ND		10.0	
107-13-1	Acrylonitrile (2-Propenenitrile)	1	ND		10.0	
107-05-1	Allyl chloride (3-Chloropropene)	1	ND		5.00	
71-43-2	Benzene	1	ND		5.00	
75-27-4	Bromodichloromethane	1	ND		5.00	
75-25-2	Bromoform	1	ND		5.00	
74-83-9	Bromomethane (Methyl bromide)	1	ND		10.0	
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0	
75-15-0	Carbon disulfide	1	ND		5.00	
56-23-5	Carbon tetrachloride	1	ND		5.00	
108-90-7	Chlorobenzene	1	ND		5.00	
75-00-3	Chloroethane	1	ND		10.0	
67-66-3	Chloroform	1	ND		5.00	
74-87-3	Chloromethane (Methyl chloride)	1	ND		10.0	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	1	ND		50.0	
124-48-1	Dibromochloromethane	1	ND		5.00	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1	ND		5.00	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1	ND		5.00	
74-95-3	Dibromomethane (Methylene bromide)	1	ND		5.00	
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		5.00	
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		50.0	
75-34-3	1,1-Dichloroethane	1	ND		5.00	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1	ND		5.00	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	1	ND		5.00	
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	
78-87-5	1,2-Dichloropropane	1	ND		5.00	
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	
123-91-1	1,4-Dioxane	1	ND		500	
100-41-4	Ethylbenzene	1	ND		5.00	
591-78-6	2-Hexanone	1	ND		10.0	
74-88-4	Iodomethane (Methyl iodide)	1	ND		5.00	

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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Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-01-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-002	Episode:	RSE
Description:	None	Matrix:	Water
Method:	SW 8260 Appendix IX Volatile Organics	Prep Level:	Water
		Units:	ug/l
Prep Factor:	1.00	Leached:	n/a
		Prepared:	

Sample Qu:			
% Moisture:	n/a		
Batch:	30211		
Target List:	8260AP9WAT		
Analyzed:	05-May-99	15:19	DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	1	ND		500	
126-98-7	Methacrylonitrile	1	ND		5.00	
75-09-2	Methylene chloride (Dichloromethane)	1	ND		5.00	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	
107-12-0	Propionitrile (Ethyl cyanide)	1	ND		10.0	
100-42-4	Styrene	1	ND		5.00	
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.00	
108-88-3	Toluene	1	ND		5.00	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.00	
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	
79-01-6	Trichloroethene (Trichloroethylene)	1	119		5.00	
75-69-4	Trichlorofluoromethane (Freon 11)	1	ND		5.00	
96-18-4	1,2,3-Trichloropropane	1	ND		5.00	
108-05-4	Vinyl acetate	1	ND		10.0	
75-01-4	Vinyl chloride (Chloroethene)	1	ND		10.0	
1330-20-7	Xylene (total)	1	ND		5.00	

52 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
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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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-01-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-002	Episode:	RSE
Description:	None	Matrix:	Water
Method:	SW 8270 Appendix IX Semivolatile Organics	Prep Level:	Water
		Units:	ug/l
Prep Factor:	1.00	Leached:	n/a
		Prepared:	03-May-99

Sample Qu:
% Moisture: n/a
Batch: 30204
Target List: 8270AP9WAT
Analyzed: 15-May-99 1:54 JA

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	
207-08-09	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 phenyl ether	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	bis(2-Chloroisopropyl) ether	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		10.0	
120-83-2	2,4-Dichlorophenol	1	ND		20.0	

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.

5/20/99 18:39:42

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-01-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-002	Episode:	RSE
Sample Qu:			
Description:	None	Matrix:	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	Prep Level:	Water
Batch:	30204		
Units:	ug/l	Target List:	8270AP9WAT
Prep Factor:	1.00	Leached:	n/a
Prepared:	03-May-99	Analyzed:	15-May-99 1:54 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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	
91-57-6	2-Methylnaphthalene	1	ND		10.0	
95-48-7	2-Methylphenol (o-Cresol)	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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-01-03
Project: Q2-GW SAMPLING
Lab ID: RSE-002
Description: None
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Matrix: Water
Prep Level: Water
Units: ug/l
Sample Qu:
% Moisture: n/a
Batch: 30204
Target List: 8270AP9WAT

Prep Factor: 1.00 **Leached:** n/a **Prepared:** 03-May-99 **Analyzed:** 15-May-99 1:54 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND		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	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		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	
99-55-8	5-Nitro-o-toluidine	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	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-01-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-002	Episode:	RSE
Sample Qu:			
Description:	None	Matrix:	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	Prep Level:	Water
Batch:	30204		
Units:	ug/l	Target List:	8270AP9WAT
Prep Factor:	1.00	Leached:	n/a
Prepared:	03-May-99	Analyzed:	15-May-99 1:54 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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

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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-003	Episode:	RSE
Description:	None	Matrix:	Water
Method:	SW 8260 Appendix IX Volatile Organics	Prep Level:	Water
		Units:	ug/l
Prep Factor:	1.00	Leached:	n/a
		Prepared:	

Sample Qu:	D1 D7		
% Moisture:	n/a		
Batch:	30211		
Target List:	8260AP9WAT		
Analyzed:	05-May-99	19:25	DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	10	ND		100	
75-05-8	Acetonitrile (Methyl cyanide)	10	ND		500	
107-02-8	Acrolein (2-Propenal)	10	ND		100	
107-13-1	Acrylonitrile (2-Propenenitrile)	10	ND		100	
107-05-1	Allyl chloride (3-Chloropropene)	10	ND		50.0	
71-43-2	Benzene	10	ND		50.0	
75-27-4	Bromodichloromethane	10	ND		50.0	
75-25-2	Bromoform	10	ND		50.0	
74-83-9	Bromomethane (Methyl bromide)	10	ND		100	
78-93-3	2-Butanone (Methyl ethyl ketone)	10	ND		100	
75-15-0	Carbon disulfide	10	ND		50.0	
56-23-5	Carbon tetrachloride	10	ND		50.0	
108-90-7	Chlorobenzene	10	ND		50.0	
75-00-3	Chloroethane	10	ND		100	
67-66-3	Chloroform	10	ND		50.0	
74-87-3	Chloromethane (Methyl chloride)	10	ND		100	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	10	ND		500	
124-48-1	Dibromochloromethane	10	ND		50.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	10	ND		50.0	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	ND		50.0	
74-95-3	Dibromomethane (Methylene bromide)	10	ND		50.0	
110-57-6	trans-1,4-Dichloro-2-butene	10	ND		50.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	10	ND		500	
75-34-3	1,1-Dichloroethane	10	ND		50.0	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	10	ND		50.0	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	10	72.8		50.0	
156-60-5	trans-1,2-Dichloroethene	10	ND		50.0	
78-87-5	1,2-Dichloropropane	10	ND		50.0	
10061-01-5	cis-1,3-Dichloropropene	10	ND		50.0	
10061-02-6	trans-1,3-Dichloropropene	10	ND		50.0	
123-91-1	1,4-Dioxane	10	ND		5000	
100-41-4	Ethylbenzene	10	ND		50.0	
591-78-6	2-Hexanone	10	ND		100	
74-88-4	Iodomethane (Methyl iodide)	10	ND		50.0	

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.
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.

5/20/99 18:40:27

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-003	**Episode:**	RSE
Sample Qu:	D1 D7		
Description:	None	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8260 Appendix IX Volatile Organics	**Prep Level:**	Water
Batch:	30211		
		Units:	ug/l
Target List:	8260AP9WAT		
Prep Factor:	1.00	**Leached:**	n/a
Prepared:		**Analyzed:**	05-May-99 19:25 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	10	ND		5000	
126-98-7	Methacrylonitrile	10	ND		50.0	
75-09-2	Methylene chloride (Dichloromethane)	10	ND		50.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	10	ND		100	
107-12-0	Propionitrile (Ethyl cyanide)	10	ND		100	
100-42-4	Styrene	10	ND		50.0	
630-20-6	1,1,1,2-Tetrachloroethane	10	ND		50.0	
79-34-5	1,1,2,2-Tetrachloroethane	10	ND		50.0	
127-18-4	Tetrachloroethene (Perchloroethylene)	10	63.1		50.0	
108-88-3	Toluene	10	ND		50.0	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	10	ND		50.0	
79-00-5	1,1,2-Trichloroethane	10	ND		50.0	
79-01-6	Trichloroethene (Trichloroethylene)	100	18200	D1	500	
75-69-4	Trichlorofluoromethane (Freon 11)	10	ND		50.0	
96-18-4	1,2,3-Trichloropropane	10	ND		50.0	
108-05-4	Vinyl acetate	10	ND		100	
75-01-4	Vinyl chloride (Chloroethene)	10	1670		100	
1330-20-7	Xylene (total)	10	ND		50.0	

52 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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-003	**Episode:**	RSE
Sample Qu:			
Description:	None	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	**Prep Level:**	Water
Batch:	30204		
Units:	ug/l	**Target List:**	8270AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
Prepared:	03-May-99	**Analyzed:**	15-May-99 2:40 JA

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	
207-08-09	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 phenyl ether	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	bis(2-Chloroisopropyl) ether	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	
120-83-2	2,4-Dichlorophenol	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.
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.

5/20/99 18:40:42

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-003	Episode:	RSE
Sample Qu:			
Description:	None	Matrix:	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	Prep Level:	Water
Batch:	30204		
Units:	ug/l	Target List:	8270AP9WAT
Prep Factor:	1.00	Leached:	n/a
Prepared:	03-May-99	Analyzed:	15-May-99 2:40 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND		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		10.0	
88-74-4	2-Nitroaniline (o-Nitroaniline)	1	ND		50.0	
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		25.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		10.0	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		25.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND		10.0	
621-64-7	N-Nitroso-di-n-propylamine	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	
99-55-8	5-Nitro-o-toluidine	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		10.0	
62-44-2	Phenacetin	1	ND		25.0	
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	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	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.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

5/20/99 18:40:58

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-003	**Episode:**	RSE
Sample Qu:			
Description:	None	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	**Prep Level:**	Water
Batch:	30204		
Units:	ug/l	**Target List:**	8270AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
Prepared:	03-May-99	**Analyzed:**	15-May-99 2:40 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND		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	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		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	
99-55-8	5-Nitro-o-toluidine	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	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-003	**Episode:**	RSE
Sample Qu:			
Description:	None	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	**Prep Level:**	Water
Batch:	30204		
Units:	ug/l	**Target List:**	8270AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
Prepared:	03-May-99	**Analyzed:**	15-May-99 2:40 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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	13.0		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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-004MS	**Episode:**	RSE
		Sample Qu:	D7
Description:	MATRIX SPIKE	**Matrix:**	Water
		% Moisture:	n/a
Method:	SW 8260 Appendix IX Volatile Organics	**Prep Level:**	Water
		Batch:	30211
		Units:	ug/l
		Target List:	8260AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
		Prepared:	
		Analyzed:	05-May-99 16:13 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	100	5520		1000	
75-05-8	Acetonitrile (Methyl cyanide)	100	ND		5000	
107-02-8	Acrolein (2-Propenal)	100	ND		1000	
107-13-1	Acrylonitrile (2-Propenenitrile)	100	ND		1000	
107-05-1	Allyl chloride (3-Chloropropene)	100	ND		500	
71-43-2	Benzene	100	5080		500	
75-27-4	Bromodichloromethane	100	4820		500	
75-25-2	Bromoform	100	3710		500	
74-83-9	Bromomethane (Methyl bromide)	100	2600		1000	
78-93-3	2-Butanone (Methyl ethyl ketone)	100	3540		1000	
75-15-0	Carbon disulfide	100	2760		500	
56-23-5	Carbon tetrachloride	100	5020		500	
108-90-7	Chlorobenzene	100	4930		500	
75-00-3	Chloroethane	100	3300		1000	
67-66-3	Chloroform	100	4420		500	
74-87-3	Chloromethane (Methyl chloride)	100	1990		1000	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	100	ND		5000	
124-48-1	Dibromochloromethane	100	4580		500	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	100	ND		500	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	100	ND		500	
74-95-3	Dibromomethane (Methylene bromide)	100	ND		500	
110-57-6	trans-1,4-Dichloro-2-butene	100	ND		500	
75-71-8	Dichlorodifluoromethane (Freon 12)	100	ND		5000	
75-34-3	1,1-Dichloroethane	100	4870		500	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	100	5090		500	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	100	4600		500	
156-60-5	trans-1,2-Dichloroethene	100	5280		500	
78-87-5	1,2-Dichloropropane	100	5070		500	
10061-01-5	cis-1,3-Dichloropropene	100	4870		500	
10061-02-6	trans-1,3-Dichloropropene	100	5190		500	
123-91-1	1,4-Dioxane	100	ND		50000	
100-41-4	Ethylbenzene	100	5230		500	
591-78-6	2-Hexanone	100	3630		1000	
74-88-4	Iodomethane (Methyl iodide)	100	ND		500	

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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-004MS	**Episode:**	RSE
Sample Qu:	D7		
Description:	MATRIX SPIKE	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8260 Appendix IX Volatile Organics	**Prep Level:**	Water
Batch:	30211		
		Units:	ug/l
Target List:	8260AP9WAT		
Prep Factor:	1.00	**Leached:**	n/a
Prepared:		**Analyzed:**	05-May-99 16:13 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	100	ND		50000	
126-98-7	Methacrylonitrile	100	ND		500	
75-09-2	Methylene chloride (Dichloromethane)	100	4250		500	
108-10-1	4-Methyl-2-pentanone (MIBK)	100	1490		1000	
107-12-0	Propionitrile (Ethyl cyanide)	100	ND		1000	
100-42-4	Styrene	100	5040		500	
630-20-6	1,1,1,2-Tetrachloroethane	100	ND		500	
79-34-5	1,1,2,2-Tetrachloroethane	100	4360		500	
127-18-4	Tetrachloroethene (Perchloroethylene)	100	4620		500	
108-88-3	Toluene	100	5150		500	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	100	4830		500	
79-00-5	1,1,2-Trichloroethane	100	4760		500	
79-01-6	Trichloroethene (Trichloroethylene)	100	24500		500	
75-69-4	Trichlorofluoromethane (Freon 11)	100	4160		500	
96-18-4	1,2,3-Trichloropropane	100	ND		500	
108-05-4	Vinyl acetate	100	ND		1000	
75-01-4	Vinyl chloride (Chloroethene)	100	4400		1000	
1330-20-7	Xylene (total)	100	15000		500	

52 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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-004MS	Episode:	RSE
Sample Qu:			
Description:	MATRIX SPIKE	Matrix:	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	Prep Level:	Water
Batch:	30204		
Units:	ug/l	Target List:	8270AP9WAT
Prep Factor:	1.00	Leached:	n/a
Prepared:	03-May-99	Analyzed:	15-May-99 0:21 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	43.6		10.0	
208-96-8	Acenaphthylene	1	41.5		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	32.4		10.0	
120-12-7	Anthracene	1	43.1		10.0	
140-57-8	Aramite	1	ND		10.0	
56-55-3	Benzo(a)anthracene	1	42.1		10.0	
205-99-2	Benzo(b)fluoranthene	1	47.3		10.0	
207-08-09	Benzo(k)fluoranthene	1	41.5		10.0	
191-24-2	Benzo(g,h,i)perylene	1	46.8		10.0	
50-32-8	Benzo(a)pyrene	1	43.1		10.0	
100-51-6	Benzyl alcohol	1	41.0		10.0	
101-55-3	4-Bromophenyl phenyl ether	1	45.8		10.0	
85-68-7	Butylbenzylphthalate	1	41.9		10.0	
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)	1	ND		10.0	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	36.2		10.0	
111-91-1	bis(2-Chloroethoxy)methane	1	40.9		10.0	
111-44-4	bis(2-Chloroethyl) ether	1	44.7		10.0	
108-60-1	bis(2-Chloroisopropyl) ether	1	43.8		10.0	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	39.4		10.0	
91-58-7	2-Chloronaphthalene	1	43.1		10.0	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	38.4		10.0	
7005-72-3	4-Chlorophenyl phenyl ether	1	44.3		10.0	
218-01-9	Chrysene	1	42.8		10.0	
53-70-3	Dibenz(a,h)anthracene	1	46.9		10.0	
132-64-9	Dibenzofuran	1	46.3		10.0	
84-74-2	Di-n-butylphthalate	1	43.0		10.0	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	33.2		10.0	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	31.9		10.0	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	32.9		10.0	
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0	
120-83-2	2,4-Dichlorophenol	1	48.2		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.
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.

5/20/99 18:41:43

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-004MS	**Episode:**	RSE
Sample Qu:		**Description:**	MATRIX SPIKE
Matrix:	Water	**% Moisture:**	n/a
Method:	SW 8270 Appendix IX Semivolatile Organics	**Prep Level:**	Water
Batch:	30204	**Units:**	ug/l
Target List:	8270AP9WAT	**Prep Factor:**	1.00
Leached:	n/a	**Prepared:**	03-May-99
Analyzed:	15-May-99 0:21 JA		

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
87-65-0	2,6-Dichlorophenol	1	ND		10.0	
84-66-2	Diethylphthalate	1	44.4		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	27.2		10.0	
131-11-3	Dimethylphthalate	1	44.6		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	53.0		25.0	
51-28-5	2,4-Dinitrophenol	1	56.8		25.0	
121-14-2	2,4-Dinitrotoluene	1	51.3		10.0	
606-20-2	2,6-Dinitrotoluene	1	47.2		10.0	
117-84-0	Di-n-octylphthalate	1	40.2		10.0	
117-81-7	bis(2-Ethylhexyl)phthalate	1	39.5		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	45.9		10.0	
86-73-7	Fluorene	1	44.7		10.0	
118-74-1	Hexachlorobenzene	1	44.4		10.0	
87-68-3	Hexachlorobutadiene	1	36.6		10.0	
77-47-4	Hexachlorocyclopentadiene	1	26.5		10.0	
67-72-1	Hexachloroethane	1	30.8		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	44.8		10.0	
78-59-1	Isophorone	1	40.4		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	56.6		10.0	
95-48-7	2-Methylphenol (o-Cresol)	1	37.6		10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
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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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-004MS	**Episode:**	RSE
Sample Qu:			
Description:	MATRIX SPIKE	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	**Prep Level:**	Water
Batch:	30204		
Units:	ug/l	**Target List:**	8270AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
Prepared:	03-May-99	**Analyzed:**	15-May-99 0:21 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	37.6	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	37.6		10.0	
91-20-3	Naphthalene	1	49.5		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	35.5		25.0	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	36.7		25.0	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	32.4		25.0	
98-95-3	Nitrobenzene	1	45.7		10.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	42.1		10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	33.8		25.0	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	42.0		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	30.2	A10	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	39.0		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	
99-55-8	5-Nitro-o-toluidine	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	53.9		25.0	
62-44-2	Phenacetin	1	ND		10.0	
85-01-8	Phenanthrene	1	45.3		10.0	
108-95-2	Phenol	1	45.0		10.0	
106-50-3	p-Phenylenediamine	1	ND		10.0	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	1	42.4		10.0	

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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Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-004MS	**Episode:**	RSE
Sample Qu:			
Description:	MATRIX SPIKE	**Matrix:**	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	**Prep Level:**	Water
Batch:	30204		
Units:	ug/l	**Target List:**	8270AP9WAT
Prep Factor:	1.00	**Leached:**	n/a
Prepared:	03-May-99	**Analyzed:**	15-May-99 0:21 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	37.6	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	37.6		10.0	
91-20-3	Naphthalene	1	49.5		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	35.5		25.0	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	36.7		25.0	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	32.4		25.0	
98-95-3	Nitrobenzene	1	45.7		10.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	42.1		10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	33.8		25.0	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	42.0		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	30.2	A10	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	39.0		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	
99-55-8	5-Nitro-o-toluidine	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	53.9		25.0	
62-44-2	Phenacetin	1	ND		10.0	
85-01-8	Phenanthrene	1	45.3		10.0	
108-95-2	Phenol	1	45.0		10.0	
106-50-3	p-Phenylenediamine	1	ND		10.0	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	1	42.4		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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	Client:	ECO-SYSTEMS, INCORPORATED/MS		
Project:	Q2-GW SAMPLING	Site:	None		
Lab ID:	RSE-004MS	Episode:	RSE	Sample Qu:	
Description:	MATRIX SPIKE	Matrix:	Water	% Moisture:	n/a
Method:	SW 8270 Appendix IX Semivolatile Organics	Prep Level:	Water	Batch:	30204
		Units:	ug/l	Target List:	8270AP9WAT
Prep Factor:	1.00 Leached: n/a	Prepared:	03-May-99	Analyzed:	15-May-99 0:21 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
110-86-1	Pyridine	1	38.9		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	58.4		10.0	
95-95-4	2,4,5-Trichlorophenol	1	43.9		25.0	
88-06-2	2,4,6-Trichlorophenol	1	46.0		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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-005MSD	Episode:	RSE
Sample Qu:	D7		
Description:	MATRIX SPIKE DUPLICATE	Matrix:	Water
% Moisture:	n/a		
Method:	SW 8260 Appendix IX Volatile Organics	Prep Level:	Water
Batch:	30211		
		Units:	ug/l
Target List:	8260AP9WAT		
Prep Factor:	1.00	Leached:	n/a
Prepared:		Analyzed:	05-May-99 16:41 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	100	3650		1000	
75-05-8	Acetonitrile (Methyl cyanide)	100	ND		5000	
107-02-8	Acrolein (2-Propenal)	100	ND		1000	
107-13-1	Acrylonitrile (2-Propenenitrile)	100	ND		1000	
107-05-1	Allyl chloride (3-Chloropropene)	100	ND		500	
71-43-2	Benzene	100	5040		500	
75-27-4	Bromodichloromethane	100	4980		500	
75-25-2	Bromoform	100	3950		500	
74-83-9	Bromomethane (Methyl bromide)	100	2500		1000	
78-93-3	2-Butanone (Methyl ethyl ketone)	100	4810		1000	
75-15-0	Carbon disulfide	100	3080		500	
56-23-5	Carbon tetrachloride	100	4890		500	
108-90-7	Chlorobenzene	100	4860		500	
75-00-3	Chloroethane	100	3090		1000	
67-66-3	Chloroform	100	4680		500	
74-87-3	Chloromethane (Methyl chloride)	100	2290		1000	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	100	ND		5000	
124-48-1	Dibromochloromethane	100	5040		500	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	100	ND		500	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	100	ND		500	
74-95-3	Dibromomethane (Methylene bromide)	100	ND		500	
110-57-6	trans-1,4-Dichloro-2-butene	100	ND		500	
75-71-8	Dichlorodifluoromethane (Freon 12)	100	ND		5000	
75-34-3	1,1-Dichloroethane	100	4930		500	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	100	5000		500	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	100	4440		500	
156-60-5	trans-1,2-Dichloroethene	100	4940		500	
78-87-5	1,2-Dichloropropane	100	4830		500	
10061-01-5	cis-1,3-Dichloropropene	100	5000		500	
10061-02-6	trans-1,3-Dichloropropene	100	5130		500	
123-91-1	1,4-Dioxane	100	ND		50000	
100-41-4	Ethylbenzene	100	4990		500	
591-78-6	2-Hexanone	100	3740		1000	
74-88-4	Iodomethane (Methyl iodide)	100	ND		500	

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.

5/20/99 18:42:23

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-02-03	Client:	ECO-SYSTEMS, INCORPORATED/MS		
Project:	Q2-GW SAMPLING	Site:	None		
Lab ID:	RSE-005MSD	Episode:	RSE	Sample Qu:	D7
Description:	MATRIX SPIKE DUPLICATE	Matrix:	Water	% Moisture:	n/a
Method:	SW 8260 Appendix IX Volatile Organics	Prep Level:	Water	Batch:	30211
		Units:	ug/l	Target List:	8260AP9WAT
Prep Factor:	1.00	Leached: n/a	Prepared:	Analyzed:	05-May-99 16:41 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	100	ND		50000	
126-98-7	Methacrylonitrile	100	ND		500	
75-09-2	Methylene chloride (Dichloromethane)	100	4890		500	
108-10-1	4-Methyl-2-pentanone (MIBK)	100	1510		1000	
107-12-0	Propionitrile (Ethyl cyanide)	100	ND		1000	
100-42-4	Styrene	100	4780		500	
630-20-6	1,1,1,2-Tetrachloroethane	100	ND		500	
79-34-5	1,1,2,2-Tetrachloroethane	100	4640		500	
127-18-4	Tetrachloroethene (Perchloroethylene)	100	4880		500	
108-88-3	Toluene	100	5000		500	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	100	5250		500	
79-00-5	1,1,2-Trichloroethane	100	4740		500	
79-01-6	Trichloroethene (Trichloroethylene)	100	24100		500	
75-69-4	Trichlorofluoromethane (Freon 11)	100	4180		500	
96-18-4	1,2,3-Trichloropropane	100	ND		500	
108-05-4	Vinyl acetate	100	ND		1000	
75-01-4	Vinyl chloride (Chloroethene)	100	4870		1000	
1330-20-7	Xylene (total)	100	15300		500	

52 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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-02-03
Project: Q2-GW SAMPLING
Lab ID: RSE-005MSD
Description: MATRIX SPIKE DUPLICATE
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 15-May-99 1:07 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	43.0		10.0	
208-96-8	Acenaphthylene	1	39.7		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	33.5		10.0	
120-12-7	Anthracene	1	42.9		10.0	
140-57-8	Aramite	1	ND		10.0	
56-55-3	Benzo(a)anthracene	1	41.4		10.0	
205-99-2	Benzo(b)fluoranthene	1	45.7		10.0	
207-08-09	Benzo(k)fluoranthene	1	44.8		10.0	
191-24-2	Benzo(g,h,i)perylene	1	47.2		10.0	
50-32-8	Benzo(a)pyrene	1	43.7		10.0	
100-51-6	Benzyl alcohol	1	40.0		10.0	
101-55-3	4-Bromophenyl phenyl ether	1	43.9		10.0	
85-68-7	Butylbenzylphthalate	1	41.9		10.0	
88-85-7	2-sec-Butyl-4-6-dinitrophenol (Dinoseb)	1	ND		10.0	
106-47-8	4-Chloroaniline (p-Chloroaniline)	1	36.0		10.0	
111-91-1	bis(2-Chloroethoxy)methane	1	39.8		10.0	
111-44-4	bis(2-Chloroethyl) ether	1	43.3		10.0	
108-60-1	bis(2-Chloroisopropyl) ether	1	42.5		10.0	
59-50-7	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	1	39.5		10.0	
91-58-7	2-Chloronaphthalene	1	41.9		10.0	
95-57-8	2-Chlorophenol (o-Chlorophenol)	1	36.6		10.0	
7005-72-3	4-Chlorophenyl phenyl ether	1	43.8		10.0	
218-01-9	Chrysene	1	41.9		10.0	
53-70-3	Dibenz(a,h)anthracene	1	46.7		10.0	
132-64-9	Dibenzofuran	1	45.8		10.0	
84-74-2	Di-n-butylphthalate	1	43.6		10.0	
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenzene)	1	32.8		10.0	
541-73-1	1,3-Dichlorobenzene (m-Dichlorobenzene)	1	31.3		10.0	
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenzene)	1	32.0		10.0	
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0	
120-83-2	2,4-Dichlorophenol	1	46.1		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.
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.

5/20/99 18:42:38

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-02-03
Project: Q2-GW SAMPLING
Lab ID: RSE-005MSD
Description: MATRIX SPIKE DUPLICATE
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 15-May-99 1:07 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
87-65-0	2,6-Dichlorophenol	1	ND		10.0	
84-66-2	Diethylphthalate	1	44.6		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	26.9		10.0	
131-11-3	Dimethylphthalate	1	43.5		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	53.2		25.0	
51-28-5	2,4-Dinitrophenol	1	55.7		25.0	
121-14-2	2,4-Dinitrotoluene	1	50.8		10.0	
606-20-2	2,6-Dinitrotoluene	1	45.6		10.0	
117-84-0	Di-n-octylphthalate	1	41.9		10.0	
117-81-7	bis(2-Ethylhexyl)phthalate	1	40.6		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	45.5		10.0	
86-73-7	Fluorene	1	44.5		10.0	
118-74-1	Hexachlorobenzene	1	44.1		10.0	
87-68-3	Hexachlorobutadiene	1	34.4		10.0	
77-47-4	Hexachlorocyclopentadiene	1	24.9		10.0	
67-72-1	Hexachloroethane	1	29.8		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	45.0		10.0	
78-59-1	Isophorone	1	40.1		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	53.9		10.0	
95-48-7	2-Methylphenol (o-Cresol)	1	35.2		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.
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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Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-02-03
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Q2-GW SAMPLING
Site: None
Lab ID: RSE-005MSD
Episode: RSE
Sample Qu:
Description: MATRIX SPIKE DUPLICATE
Matrix: Water
% Moisture: n/a
Method: SW 8270 Appendix IX Semivolatile Organics
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT
Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 15-May-99 1:07 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	36.8	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	36.8		10.0	
91-20-3	Naphthalene	1	47.3		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	33.6		25.0	
99-09-2	3-Nitroaniline (m-Nitroaniline)	1	35.5		25.0	
100-01-6	4-Nitroaniline (p-Nitroaniline)	1	30.0		25.0	
98-95-3	Nitrobenzene	1	44.1		10.0	
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	40.7		10.0	
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	35.0		25.0	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	41.1		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	27.7	A10	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	38.0		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	
99-55-8	5-Nitro-o-toluidine	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	54.5		25.0	
62-44-2	Phenacetin	1	ND		10.0	
85-01-8	Phenanthrene	1	45.0		10.0	
108-95-2	Phenol	1	43.9		10.0	
106-50-3	p-Phenylenediamine	1	ND		10.0	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	1	42.0		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.
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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Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-02-03
Project: Q2-GW SAMPLING
Lab ID: RSE-005MSD
Description: MATRIX SPIKE DUPLICATE
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 15-May-99 1:07 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
110-86-1	Pyridine	1	39.8		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	54.8		10.0	
95-95-4	2,4,5-Trichlorophenol	1	42.7		25.0	
88-06-2	2,4,6-Trichlorophenol	1	44.1		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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03D
Project: Q2-GW SAMPLING
Lab ID: RSE-006
Description: None
Method: SW 8260 Appendix IX Volatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu: D1 D6
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30211
Units: ug/l
Target List: 8260AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared:
Analyzed: 11-May-99 12:10 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	25	ND		250	
75-05-8	Acetonitrile (Methyl cyanide)	25	ND		1250	
107-02-8	Acrolein (2-Propenal)	25	ND		250	
107-13-1	Acrylonitrile (2-Propenenitrile)	25	ND		250	
107-05-1	Allyl chloride (3-Chloropropene)	25	ND		125	
71-43-2	Benzene	25	ND		125	
75-27-4	Bromodichloromethane	25	ND		125	
75-25-2	Bromoform	25	ND		125	
74-83-9	Bromomethane (Methyl bromide)	25	ND		250	
78-93-3	2-Butanone (Methyl ethyl ketone)	25	ND		250	
75-15-0	Carbon disulfide	25	ND		125	
56-23-5	Carbon tetrachloride	25	ND		125	
108-90-7	Chlorobenzene	25	ND		125	
75-00-3	Chloroethane	25	ND		250	
67-66-3	Chloroform	25	ND		125	
74-87-3	Chloromethane (Methyl chloride)	25	ND		250	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	25	ND		1250	
124-48-1	Dibromochloromethane	25	ND		125	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	25	ND		125	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	25	ND		125	
74-95-3	Dibromomethane (Methylene bromide)	25	ND		125	
110-57-6	trans-1,4-Dichloro-2-butene	25	ND		125	
75-71-8	Dichlorodifluoromethane (Freon 12)	25	ND		1250	
75-34-3	1,1-Dichloroethane	25	ND		125	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	25	ND		125	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	25	ND		125	
156-60-5	trans-1,2-Dichloroethene	25	ND		125	
78-87-5	1,2-Dichloropropane	25	ND		125	
10061-01-5	cis-1,3-Dichloropropene	25	ND		125	
10061-02-6	trans-1,3-Dichloropropene	25	ND		125	
123-91-1	1,4-Dioxane	25	ND		12500	
100-41-4	Ethylbenzene	25	ND		125	
591-78-6	2-Hexanone	25	ND		250	
74-88-4	Iodomethane (Methyl iodide)	25	ND		125	

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.

5/20/99 18:43:11

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03D
Project: Q2-GW SAMPLING
Lab ID: RSE-006
Description: None
Method: SW 8260 Appendix IX Volatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu: D1 D6
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30211
Units: ug/l
Target List: 8260AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared:
Analyzed: 11-May-99 12:10 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	25	ND		12500	
126-98-7	Methacrylonitrile	25	ND		125	
75-09-2	Methylene chloride (Dichloromethane)	25	ND		125	
108-10-1	4-Methyl-2-pentanone (MIBK)	25	ND		250	
107-12-0	Propionitrile (Ethyl cyanide)	25	ND		250	
100-42-4	Styrene	25	ND		125	
630-20-6	1,1,1,2-Tetrachloroethane	25	ND		125	
79-34-5	1,1,2,2-Tetrachloroethane	25	ND		125	
127-18-4	Tetrachloroethene (Perchloroethylene)	25	ND		125	
108-88-3	Toluene	25	ND		125	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	25	ND		125	
79-00-5	1,1,2-Trichloroethane	25	ND		125	
79-01-6	Trichloroethene (Trichloroethylene)	50	5910	D1	250	
75-69-4	Trichlorofluoromethane (Freon 11)	25	ND		125	
96-18-4	1,2,3-Trichloropropane	25	ND		125	
108-05-4	Vinyl acetate	25	ND		250	
75-01-4	Vinyl chloride (Chloroethene)	25	ND		250	
1330-20-7	Xylene (total)	25	ND		125	

52 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.

5/20/99 18:43:22

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03D
Project: Q2-GW SAMPLING
Lab ID: RSE-006
Description: None
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 17-May-99 14:18 JA

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	
207-08-09	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 phenyl ether	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	bis(2-Chloroisopropyl) ether	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	
120-83-2	2,4-Dichlorophenol	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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03D
Project: Q2-GW SAMPLING
Lab ID: RSE-006
Description: None
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 17-May-99 14:18 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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	
91-57-6	2-Methylnaphthalene	1	ND		10.0	
95-48-7	2-Methylphenol (o-Cresol)	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.
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.

5/20/99 18:43:42

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03D
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Q2-GW SAMPLING
Site: None
Lab ID: RSE-006
Episode: RSE
Sample Qu:
Description: None
Matrix: Water
% Moisture: n/a
Method: SW 8270 Appendix IX Semivolatile Organics
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT
Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 17-May-99 14:18 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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	
91-57-6	2-Methylnaphthalene	1	ND		10.0	
95-48-7	2-Methylphenol (o-Cresol)	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.
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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Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03D
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Q2-GW SAMPLING
Site: None
Lab ID: RSE-006
Episode: RSE
Sample Qu:
Description: None
Matrix: Water
% Moisture: n/a
Method: SW 8270 Appendix IX Semivolatile Organics
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT
Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 17-May-99 14:18 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND		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	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		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	
99-55-8	5-Nitro-o-toluidine	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	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	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.
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.

5/20/99 18:43:49

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-05-03D
Project: Q2-GW SAMPLING
Lab ID: RSE-006
Description: None
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 17-May-99 14:18 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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

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.

5/20/99 18:43:57

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-04-03
Project: Q2-GW SAMPLING
Lab ID: RSE-008
Description: None
Method: SW 8260 Appendix IX Volatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu: D1
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30211
Units: ug/l
Target List: 8260AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared:
Analyzed: 05-May-99 22:09 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	1	ND		10.0	
75-05-8	Acetonitrile (Methyl cyanide)	1	ND		50.0	
107-02-8	Acrolein (2-Propenal)	1	ND		10.0	
107-13-1	Acrylonitrile (2-Propenenitrile)	1	ND		10.0	
107-05-1	Allyl chloride (3-Chloropropene)	1	ND		5.00	
71-43-2	Benzene	1	ND		5.00	
75-27-4	Bromodichloromethane	1	ND		5.00	
75-25-2	Bromoform	1	ND		5.00	
74-83-9	Bromomethane (Methyl bromide)	1	ND		10.0	
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0	
75-15-0	Carbon disulfide	1	ND		5.00	
56-23-5	Carbon tetrachloride	1	ND		5.00	
108-90-7	Chlorobenzene	1	ND		5.00	
75-00-3	Chloroethane	1	ND		10.0	
67-66-3	Chloroform	1	ND		5.00	
74-87-3	Chloromethane (Methyl chloride)	1	ND		10.0	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	1	ND		50.0	
124-48-1	Dibromochloromethane	1	ND		5.00	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1	ND		5.00	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1	ND		5.00	
74-95-3	Dibromomethane (Methylene bromide)	1	ND		5.00	
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		5.00	
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		50.0	
75-34-3	1,1-Dichloroethane	1	5.99		5.00	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1	ND		5.00	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	1	10.5		5.00	
156-60-5	trans-1,2-Dichloroethene	1	68.7		5.00	
78-87-5	1,2-Dichloropropane	1	ND		5.00	
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	
123-91-1	1,4-Dioxane	1	ND		500	
100-41-4	Ethylbenzene	1	ND		5.00	
591-78-6	2-Hexanone	1	ND		10.0	
74-88-4	Iodomethane (Methyl iodide)	1	ND		5.00	

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.

5/20/99 18:44:10

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-04-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-008	Episode:	RSE
Description:	None	Matrix:	Water
Method:	SW 8260 Appendix IX Volatile Organics	Prep Level:	Water
		Units:	ug/l
Prep Factor:	1.00	Leached:	n/a
		Prepared:	

Sample Qu:	D1		
% Moisture:	n/a		
Batch:	30211		
Target List:	8260AP9WAT		
Analyzed:	05-May-99	22:09	DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	1	ND		500	
126-98-7	Methacrylonitrile	1	ND		5.00	
75-09-2	Methylene chloride (Dichloromethane)	1	ND		5.00	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	
107-12-0	Propionitrile (Ethyl cyanide)	1	ND		10.0	
100-42-4	Styrene	1	ND		5.00	
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.00	
108-88-3	Toluene	1	ND		5.00	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.00	
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	
79-01-6	Trichloroethene (Trichloroethylene)	4	251	D1	20.0	
75-69-4	Trichlorofluoromethane (Freon 11)	1	ND		5.00	
96-18-4	1,2,3-Trichloropropane	1	ND		5.00	
108-05-4	Vinyl acetate	1	ND		10.0	
75-01-4	Vinyl chloride (Chloroethene)	4	490	D1	40.0	
1330-20-7	Xylene (total)	1	ND		5.00	

52 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.

5/20/99 18:44:26

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-04-03
Project: Q2-GW SAMPLING
Lab ID: RSE-008
Description: None
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 15-May-99 4:13 JA

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	
207-08-09	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 phenyl ether	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	bis(2-Chloroisopropyl) ether	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	
120-83-2	2,4-Dichlorophenol	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.
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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-GW-04-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-008	Episode:	RSE
Sample Qu:			
Description:	None	Matrix:	Water
% Moisture:	n/a		
Method:	SW 8270 Appendix IX Semivolatile Organics	Prep Level:	Water
Batch:	30204		
Units:	ug/l	Target List:	8270AP9WAT
Prep Factor:	1.00	Leached:	n/a
Prepared:	03-May-99	Analyzed:	15-May-99 4:13 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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	
91-57-6	2-Methylnaphthalene	1	ND		10.0	
95-48-7	2-Methylphenol (o-Cresol)	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.
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.

5/20/99 18:44:45

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-04-03
Project: Q2-GW SAMPLING
Lab ID: RSE-008
Description: None
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 15-May-99 4:13 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
108-39-4	3-Methylphenol (m-Cresol)	1	ND	A7	10.0	
106-44-5	4-Methylphenol (p-Cresol)	1	ND		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	
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0	
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0	
55-18-5	N-Nitrosodiethylamine	1	ND		10.0	
62-75-9	N-Nitrosodimethylamine	1	ND		10.0	
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		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	
99-55-8	5-Nitro-o-toluidine	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	
109-06-08	2-Picoline (2-Methylpyridine)	1	ND		10.0	
23950-58-5	Pronamide	1	ND		10.0	
129-00-0	Pyrene	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.
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.

5/20/99 18:44:53

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-GW-04-03
Project: Q2-GW SAMPLING
Lab ID: RSE-008
Description: None
Method: SW 8270 Appendix IX Semivolatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30204
Units: ug/l
Target List: 8270AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared: 03-May-99
Analyzed: 15-May-99 4:13 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
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

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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID: TAC-SWMU2-TB-03
Project: Q2-GW SAMPLING
Lab ID: RSE-009
Description: None
Method: SW 8260 Appendix IX Volatile Organics

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Sample Qu:
Matrix: Water
% Moisture: n/a
Prep Level: Water
Batch: 30211
Units: ug/l
Target List: 8260AP9WAT

Prep Factor: 1.00
Leached: n/a
Prepared:
Analyzed: 05-May-99 17:35 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	1	ND		10.0	
75-05-8	Acetonitrile (Methyl cyanide)	1	ND		50.0	
107-02-8	Acrolein (2-Propenal)	1	ND		10.0	
107-13-1	Acrylonitrile (2-Propenenitrile)	1	ND		10.0	
107-05-1	Allyl chloride (3-Chloropropene)	1	ND		5.00	
71-43-2	Benzene	1	ND		5.00	
75-27-4	Bromodichloromethane	1	ND		5.00	
75-25-2	Bromoform	1	ND		5.00	
74-83-9	Bromomethane (Methyl bromide)	1	ND		10.0	
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0	
75-15-0	Carbon disulfide	1	ND		5.00	
56-23-5	Carbon tetrachloride	1	ND		5.00	
108-90-7	Chlorobenzene	1	ND		5.00	
75-00-3	Chloroethane	1	ND		10.0	
67-66-3	Chloroform	1	ND		5.00	
74-87-3	Chloromethane (Methyl chloride)	1	ND		10.0	
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	1	ND		50.0	
124-48-1	Dibromochloromethane	1	ND		5.00	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1	ND		5.00	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1	ND		5.00	
74-95-3	Dibromomethane (Methylene bromide)	1	ND		5.00	
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		5.00	
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		50.0	
75-34-3	1,1-Dichloroethane	1	ND		5.00	
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1	ND		5.00	
75-35-4	1,1-Dichloroethene (Dichloroethylene)	1	ND		5.00	
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	
78-87-5	1,2-Dichloropropane	1	ND		5.00	
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	
123-91-1	1,4-Dioxane	1	ND		500	
100-41-4	Ethylbenzene	1	ND		5.00	
591-78-6	2-Hexanone	1	ND		10.0	
74-88-4	Iodomethane (Methyl iodide)	1	ND		5.00	

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.

5/20/99 18:45:19

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-TB-03	Client:	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	Site:	None
Lab ID:	RSE-009	Episode:	RSE
Description:	None	Matrix:	Water
Method:	SW 8260 Appendix IX Volatile Organics	Prep Level:	Water
		Units:	ug/l
Prep Factor:	1.00	Leached:	n/a
		Prepared:	

Sample Qu:
% Moisture: n/a
Batch: 30211
Target List: 8260AP9WAT
Analyzed: 05-May-99 17:35 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	1	ND		500	
126-98-7	Methacrylonitrile	1	ND		5.00	
75-09-2	Methylene chloride (Dichloromethane)	1	ND		5.00	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	
107-12-0	Propionitrile (Ethyl cyanide)	1	ND		10.0	
100-42-4	Styrene	1	ND		5.00	
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.00	
108-88-3	Toluene	1	ND		5.00	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.00	
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	
79-01-6	Trichloroethene (Trichloroethylene)	1	ND		5.00	
75-69-4	Trichlorofluoromethane (Freon 11)	1	ND		5.00	
96-18-4	1,2,3-Trichloropropane	1	ND		5.00	
108-05-4	Vinyl acetate	1	ND		10.0	
75-01-4	Vinyl chloride (Chloroethene)	1	ND		10.0	
1330-20-7	Xylene (total)	1	ND		5.00	

52 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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Protocol

Client ID:	TAC-SWMU2-TB-03	**Client:**	ECO-SYSTEMS, INCORPORATED/MS
Project:	Q2-GW SAMPLING	**Site:**	None
Lab ID:	RSE-009	**Episode:**	RSE - **Sample Qu:**
Description:	None	**Matrix:**	Water **% Moisture:** n/a
Method:	SW 8260 Appendix IX Volatile Organics	**Prep Level:**	Water **Batch:** 30211
		Units:	ug/l **Target List:** 8260AP9WAT
Prep Factor:	1.00 **Leached:** n/a	**Prepared:**	**Analyzed:** 05-May-99 17:35 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	1	ND		500	
126-98-7	Methacrylonitrile	1	ND		5.00	
75-09-2	Methylene chloride (Dichloromethane)	1	ND		5.00	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	
107-12-0	Propionitrile (Ethyl cyanide)	1	ND		10.0	
100-42-4	Styrene	1	ND		5.00	
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.00	
108-88-3	Toluene	1	ND		5.00	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.00	
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	
79-01-6	Trichloroethene (Trichloroethylene)	1	ND		5.00	
75-69-4	Trichlorofluoromethane (Freon 11)	1	ND		5.00	
96-18-4	1,2,3-Trichloropropane	1	ND		5.00	
108-05-4	Vinyl acetate	1	ND		10.0	
75-01-4	Vinyl chloride (Chloroethene)	1	ND		10.0	
1330-20-7	Xylene (total)	1	ND		5.00	

52 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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-05-03 **Client:** ECO-SYSTEMS, INCORPORATED/MS

Project: Q2-GW SAMPLING **Site:** None

Lab ID: RSE-001 **Episode:** RSE

Description: None **Matrix:** Water **%Moisture:** n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:44 KJR	
Barium	SW 6010	30224	1	1	ND		ug/l	200	05-May-99	06-May-99	13:44 KJR	
Cadmium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	13:44 KJR	
Chromium	SW 6010	30224	1	1	1380		ug/l	10.0	05-May-99	06-May-99	13:44 KJR	
Lead	SW 6010	30224	1	1	ND		ug/l	3.00	05-May-99	06-May-99	13:44 KJR	
Mercury	SW 7470	30184	1	1	ND		ug/l	0.200	05-May-99	05-May-99	13:48 DNT	
Selenium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	13:44 KJR	
Silver	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:44 KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

5/20/99 18:46:54

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-01-03 **Client:** ECO-SYSTEMS, INCORPORATED/MS

Project: Q2-GW SAMPLING **Site:** None

Lab ID: RSE-002 **Episode:** RSE

Description: None **Matrix:** Water **%Moisture:** n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis			Reg. Limit
Arsenic	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:50	KJR	
Barium	SW 6010	30224	1	1	ND		ug/l	200	05-May-99	06-May-99	13:50	KJR	
Cadmium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	13:50	KJR	
Chromium	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:50	KJR	
Lead	SW 6010	30224	1	1	ND		ug/l	3.00	05-May-99	06-May-99	13:50	KJR	
Mercury	SW 7470	30184	1	1	ND		ug/l	0.200	05-May-99	05-May-99	13:50	DNT	
Selenium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	13:50	KJR	
Silver	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:50	KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

5/20/99 18:47:02

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-02-03
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Q2-GW SAMPLING
Site: None
Lab ID: RSE-003
Episode: RSE
Description: None
Matrix: Water
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:23 KJR	
Barium	SW 6010	30224	1	1	ND		ug/l	200	05-May-99	06-May-99	13:23 KJR	
Cadmium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	13:23 KJR	
Chromium	SW 6010	30224	1	1	22300		ug/l	10.0	05-May-99	06-May-99	13:23 KJR	
Lead	SW 6010	30224	1	1	ND		ug/l	3.00	05-May-99	06-May-99	13:23 KJR	
Mercury	SW 7470	30184	1	1	ND		ug/l	0.200	05-May-99	05-May-99	13:34 DNT	
Selenium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	13:23 KJR	
Silver	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:23 KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

5/20/99 18:47:19

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-02-03 **Client:** ECO-SYSTEMS, INCORPORATED/MS

Project: Q2-GW SAMPLING **Site:** None

Lab ID: RSE-004S **Episode:** RSE

Description: MATRIX SPIKE **Matrix:** Water **%Moisture:** n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	30224	1	1	2250		ug/l	10.0	05-May-99	06-May-99	13:28 KJR	
Barium	SW 6010	30224	1	1	2290		ug/l	200	05-May-99	06-May-99	13:28 KJR	
Cadmium	SW 6010	30224	1	1	47.9		ug/l	5.00	05-May-99	06-May-99	13:28 KJR	
Chromium	SW 6010	30224	1	1	21800		ug/l	10.0	05-May-99	06-May-99	13:28 KJR	
Lead	SW 6010	30224	1	1	553		ug/l	3.00	05-May-99	06-May-99	13:28 KJR	
Selenium	SW 6010	30224	1	1	2190		ug/l	5.00	05-May-99	06-May-99	13:28 KJR	
Silver	SW 6010	30224	1	1	45.3		ug/l	10.0	05-May-99	06-May-99	13:28 KJR	

7 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

5/20/99 18:47:26

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-02-03
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Q2-GW SAMPLING
Site: None
Lab ID: RSE-005SD
Episode: RSE
Description: MATRIX SPIKE DUPLICATE
Matrix: Water
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	30224	1	1	2170		ug/l	10.0	05-May-99	06-May-99	13:33 KJR	
Barium	SW 6010	30224	1	1	2200		ug/l	200	05-May-99	06-May-99	13:33 KJR	
Cadmium	SW 6010	30224	1	1	46.5		ug/l	5.00	05-May-99	06-May-99	13:33 KJR	
Chromium	SW 6010	30224	1	1	20900		ug/l	10.0	05-May-99	06-May-99	13:33 KJR	
Lead	SW 6010	30224	1	1	536		ug/l	3.00	05-May-99	06-May-99	13:33 KJR	
Selenium	SW 6010	30224	1	1	2130		ug/l	5.00	05-May-99	06-May-99	13:33 KJR	
Silver	SW 6010	30224	1	1	43.6		ug/l	10.0	05-May-99	06-May-99	13:33 KJR	

7 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

5/20/99 18:47:40

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-02-03 **Client:** ECO-SYSTEMS, INCORPORATED/MS

Project: Q2-GW SAMPLING **Site:** None

Lab ID: RSE-004S **Episode:** RSE

Description: MATRIX SPIKE **Matrix:** Water **%Moisture:** n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	30224	1	1	2250		ug/l	10.0	05-May-99	06-May-99	13:28 KJR	
Barium	SW 6010	30224	1	1	2290		ug/l	200	05-May-99	06-May-99	13:28 KJR	
Cadmium	SW 6010	30224	1	1	47.9		ug/l	5.00	05-May-99	06-May-99	13:28 KJR	
Chromium	SW 6010	30224	1	1	21800		ug/l	10.0	05-May-99	06-May-99	13:28 KJR	
Lead	SW 6010	30224	1	1	553		ug/l	3.00	05-May-99	06-May-99	13:28 KJR	
Selenium	SW 6010	30224	1	1	2190		ug/l	5.00	05-May-99	06-May-99	13:28 KJR	
Silver	SW 6010	30224	1	1	45.3		ug/l	10.0	05-May-99	06-May-99	13:28 KJR	

7 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

5/20/99 18:47:26

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-02-03
Project: Q2-GW SAMPLING
Lab ID: RSE-005SD
Description: MATRIX SPIKE DUPLICATE

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Matrix: Water
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	30224	1	1	2170		ug/l	10.0	05-May-99	06-May-99	13:33 KJR	
Barium	SW 6010	30224	1	1	2200		ug/l	200	05-May-99	06-May-99	13:33 KJR	
Cadmium	SW 6010	30224	1	1	46.5		ug/l	5.00	05-May-99	06-May-99	13:33 KJR	
Chromium	SW 6010	30224	1	1	20900		ug/l	10.0	05-May-99	06-May-99	13:33 KJR	
Lead	SW 6010	30224	1	1	536		ug/l	3.00	05-May-99	06-May-99	13:33 KJR	
Selenium	SW 6010	30224	1	1	2130		ug/l	5.00	05-May-99	06-May-99	13:33 KJR	
Silver	SW 6010	30224	1	1	43.6		ug/l	10.0	05-May-99	06-May-99	13:33 KJR	

7 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-05-03D
Project: Q2-GW SAMPLING
Lab ID: RSE-006
Description: None

Client: ECO-SYSTEMS, INCORPORATED/MS
Site: None
Episode: RSE
Matrix: Water **%Moisture:** n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:56 KJR	
Barium	SW 6010	30224	1	1	ND		ug/l	200	05-May-99	06-May-99	13:56 KJR	
Cadmium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	13:56 KJR	
Chromium	SW 6010	30224	1	1	1340		ug/l	10.0	05-May-99	06-May-99	13:56 KJR	
Lead	SW 6010	30224	1	1	ND		ug/l	3.00	05-May-99	06-May-99	13:56 KJR	
Mercury	SW 7470	30184	1	1	ND		ug/l	0.200	05-May-99	05-May-99	13:44 DNT	
Selenium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	13:56 KJR	
Silver	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	13:56 KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

5/20/99 18:47:46

Report of Laboratory Analysis

Pace Analytical Services, Inc. - New Orleans

Single Sample - Inorganic Parameters

Client ID: TAC-SWMU2-GW-04-03
Client: ECO-SYSTEMS, INCORPORATED/MS
Project: Q2-GW SAMPLING
Site: None
Lab ID: RSE-008
Episode: RSE
Description: None
Matrix: Water
%Moisture: n/a

ParameterName	Method	Batch	DF	PF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Arsenic	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	14:01 KJR	
Barium	SW 6010	30224	1	1	ND		ug/l	200	05-May-99	06-May-99	14:01 KJR	
Cadmium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	14:01 KJR	
Chromium	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	14:01 KJR	
Lead	SW 6010	30224	1	1	ND		ug/l	3.00	05-May-99	06-May-99	14:01 KJR	
Mercury	SW 7470	30184	1	1	ND		ug/l	0.200	05-May-99	05-May-99	13:46 DNT	
Selenium	SW 6010	30224	1	1	ND		ug/l	5.00	05-May-99	06-May-99	14:01 KJR	
Silver	SW 6010	30224	1	1	ND		ug/l	10.0	05-May-99	06-May-99	14:01 KJR	

8 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. 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.

5/20/99 18:47:53

Pace Analytical Services, Inc. - New Orleans
Laboratory Quality Control Definitions

Our laboratory employs quality control (QC) measures to ensure the quality of our analytical data by defining its accuracy and precision. Presentation of the QC data with the report allows the data user the opportunity to evaluate these results and to gauge the method performance. In order to assist the understanding of these data, routine components of our QC program are defined below.

BATCH - A batch is a group of 20 samples or less of a given matrix and analysis by a specific protocol or analytical method.

BLANK - A method blank is a "clean" laboratory sample carried through the entire analytical process. One or more method blanks are prepared with each batch of samples. The analysis of method blanks demonstrates that method interferences caused by contaminants, reagents and glassware are known and minimized. A method blank should not contain any analytes of interest above the reporting limit. There are method allowances for common laboratory artifacts such as methylene chloride, acetone and bis-2-ethylhexyl phthalate.

LABORATORY CONTROL SPIKE - A laboratory control spike (LCS or blank spike) is a blank which has been spiked with known concentrations of target analytes. The LCS is carried through the entire analytical process. One or more LCS are prepared with each batch of samples. The percent recovery of the spiked analytes provides a measure of the accuracy of the analytical process in the absence of matrix effects.

MATRIX SPIKE - A matrix spike (MS) is a client sample which is spiked with known concentrations of target analytes. The MS is carried through the entire analytical process. One or more matrix spikes are prepared with every batch of samples. For organic methods, a matrix spike duplicate (MSD) is also prepared. The percent recovery of the spiked analytes provides a measure of the method accuracy in the selected sample and matrix.

DUPLICATE - A duplicate is a sample for which replicate aliquouts are carried through the entire analytical process. Comparison of the original results to those of the duplicate results provides a measure of the method precision in the sample and matrix. By convention, precision is measured for inorganic analyses using a sample and a sample duplicate, whereas for organics analyses, an MS/MSD are used.

SURROGATE - A surrogate is a non-target analyte which is added to all samples and QC samples prior to extraction or analysis. The percent recovery of the surrogate provides a measure of the method accuracy in each sample tested. Surrogates are used for organics methods only.

QC LIMITS - QC limits specify the expected percent recovery range for a spiked compound. QC limits may be set by method criteria or calculated from laboratory generated data. For many methods, these limits are advisory and do not require corrective action if exceeded.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: RSE

Method: Water GC/MS Volatile Organics Batch: 30211 Units: ug/l

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Acetone (2-Propanone, Dimethyl ketone)	50.0	82		5000	110	73	41	1-200	1-200	50	
Benzene	50.0	104		5000	102	101	1	76-127	76-127	11	
Bromodichloromethane	50.0	98		5000	96	100	3	1-200	1-200	50	
Bromoform	50.0	79		5000	74	79	6	1-200	1-200	50	
Bromomethane (Methyl bromide)	50.0	53		5000	52	50	4	1-200	1-200	50	
2-Butanone (Methyl ethyl ketone)	50.0	78		5000	71	96	30	1-200	1-200	50	
Carbon disulfide	50.0	62		5000	55	62	11	1-200	1-200	50	
Carbon tetrachloride	50.0	102		5000	100	98	3	1-200	1-200	50	
Chlorobenzene	50.0	111		5000	99	97	1	75-130	75-130	13	
Chloroethane	50.0	72		5000	66	62	7	1-200	1-200	50	
Chloroform	50.0	96		5000	88	94	6	1-200	1-200	50	
Chloromethane (Methyl chloride)	50.0	43		5000	40	46	14	1-200	1-200	50	
1,2-Dichloroethene (total)	100	104		10000	99	94	3	1-200	1-200	50	
Dibromochloromethane	50.0	103		5000	92	101	10	1-200	1-200	50	
1,1-Dichloroethane	50.0	104		5000	97	99	1	1-200	1-200	50	
1,2-Dichloroethane (Ethylene dichloride)	50.0	106		5000	102	100	2	1-200	1-200	50	
1,1-Dichloroethene (Dichloroethylene)	50.0	110		5000	92	89	4	61-145	61-145	14	
1,2-Dichloropropane	50.0	105		5000	101	97	5	1-200	1-200	50	
cis-1,3-Dichloropropene	50.0	105		5000	97	100	3	1-200	1-200	50	
trans-1,3-Dichloropropene	50.0	102		5000	104	103	1	1-200	1-200	50	
Ethylbenzene	50.0	112		5000	105	100	5	1-200	1-200	50	
2-Hexanone	50.0	76		5000	73	75	3	1-200	1-200	50	
Methylene chloride (Dichloromethane)	50.0	99		5000	85	98	14	1-200	1-200	50	
4-Methyl-2-pentanone (MIBK)	50.0	37		5000	30	30	1	1-200	1-200	50	
Styrene	50.0	111		5000	101	96	5	1-200	1-200	50	
1,1,2,2-Tetrachloroethane	50.0	0 *		5000	87	93	6	1-200	1-200	50	
Tetrachloroethene (Perchloroethylene)	50.0	104		5000	92	98	5	1-200	1-200	50	
Toluene	50.0	111		5000	103	100	3	76-125	76-125	13	
1,1,1-Trichloroethane (Methyl chloroform)	50.0	103		5000	97	105	8	1-200	1-200	50	
1,1,2-Trichloroethane	50.0	98		5000	95	95	0	1-200	1-200	50	
Trichloroethene (Trichloroethylene)	50.0	101		5000	126 *	118	2	71-120	71-120	14	Q1
Trichlorofluoromethane (Freon 11)	50.0	92		5000	83	84	0	1-200	1-200	50	
Vinyl chloride (Chloroethene)	50.0	65		5000	49	58	10	1-200	1-200	50	
Xylene (total)	150	114		15000	100	102	2	1-200	1-200	50	

34 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: RSE

Method: Water GC/MS Semivolatile Organics Batch: 30204 Units: ug/l

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Acenaphthene	50.0	85		50.0	87	86	1	46-118	46-118	31	
Acenaphthylene	50.0	80		50.0	83	79	4	1-200	1-200	35	
Anthracene	50.0	87		50.0	86	86	0	1-200	1-200	35	
Benzo(a)anthracene	50.0	82		50.0	84	83	2	1-200	1-200	35	
Benzo(b)fluoranthene	50.0	87		50.0	95	91	3	1-200	1-200	35	
Benzo(k)fluoranthene	50.0	87		50.0	83	90	8	1-200	1-200	35	
Benzo(g,h,i)perylene	50.0	95		50.0	94	94	1	1-200	1-200	35	
Benzo(a)pyrene	50.0	86		50.0	86	87	1	1-200	1-200	35	
Benzyl alcohol	50.0	75		50.0	82	80	2	1-200	1-200	35	
4-Bromophenyl phenyl ether	50.0	90		50.0	92	88	4	1-200	1-200	35	
Butylbenzylphthalate	50.0	75		50.0	84	84	0	1-200	1-200	35	
4-Chloroaniline (p-Chloroaniline)	50.0	78		50.0	72	72	1	1-200	1-200	35	
bis(2-Chloroethoxy)methane	50.0	76		50.0	82	80	3	1-200	1-200	35	
bis(2-Chloroethyl) ether	50.0	71		50.0	89	87	3	1-200	1-200	35	
bis(2-Chloroisopropyl) ether	50.0	76		50.0	88	85	3	1-200	1-200	35	
Chloro-3-methylphenol (p-Chloro-m-cresol)	50.0	71		50.0	79	79	0	23-97	23-97	42	
Chloronaphthalene	50.0	81		50.0	86	84	3	1-200	1-200	35	
2-Chlorophenol (o-Chlorophenol)	50.0	69		50.0	77	73	5	27-123	27-123	40	
4-Chlorophenyl phenyl ether	50.0	88		50.0	89	88	1	1-200	1-200	35	
Chrysene	50.0	82		50.0	86	84	2	1-200	1-200	35	
Dibenz(a,h)anthracene	50.0	94		50.0	94	93	0	1-200	1-200	35	
Dibenzofuran	50.0	92		50.0	93	92	1	1-200	1-200	35	
Di-n-butylphthalate	50.0	82		50.0	86	87	1	1-200	1-200	35	
1,2-Dichlorobenzene (o-Dichlorobenzene)	50.0	58		50.0	66	66	1	1-200	1-200	35	
1,3-Dichlorobenzene (m-Dichlorobenzene)	50.0	56		50.0	64	63	2	1-200	1-200	35	
1,4-Dichlorobenzene (p-Dichlorobenzene)	50.0	56		50.0	66	64	3	36-97	36-97	28	
3,3'-Dichlorobenzidine	50.0	51		50.0	11	11	5	1-200	1-200	35	
2,4-Dichlorophenol	50.0	86		50.0	96	92	4	1-200	1-200	35	
Diethylphthalate	50.0	84		50.0	89	89	0	1-200	1-200	35	
2,4-Dimethylphenol	50.0	30		50.0	54	54	1	1-200	1-200	35	
Dimethylphthalate	50.0	89		50.0	89	87	2	1-200	1-200	35	
4,6-Dinitro-2-methylphenol (4,6-Dinitro-o-cres	50.0	103		50.0	106	106	0	1-200	1-200	35	
2,4-Dinitrophenol	50.0	104		50.0	114	111	2	1-200	1-200	35	
2,4-Dinitrotoluene	50.0	101 *		50.0	103 *	102 *	1	24-96	24-96	38	
2,6-Dinitrotoluene	50.0	88		50.0	94	91	3	1-200	1-200	35	
Di-n-octylphthalate	50.0	77		50.0	80	84	4	1-200	1-200	35	
bis(2-Ethylhexyl)phthalate	50.0	73		50.0	79	81	3	1-200	1-200	35	
Fluoranthene	50.0	89		50.0	92	91	1	1-200	1-200	35	
Fluorene	50.0	88		50.0	89	89	0	1-200	1-200	35	
Hexachlorobenzene	50.0	88		50.0	89	88	1	1-200	1-200	35	
Hexachlorobutadiene	50.0	60		50.0	73	69	6	1-200	1-200	35	
Hexachlorocyclopentadiene	50.0	36		50.0	53	50	6	1-200	1-200	35	

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Episode: RSE

Method: Water GC/MS Semivolatile Organics Batch: 30204 Units: ug/l

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Hexachloroethane	50.0	50		50.0	62	60	3	1-200	1-200	35	
Indeno(1,2,3-cd)pyrene	50.0	91		50.0	90	90	0	1-200	1-200	35	
Isophorone	50.0	77		50.0	81	80	1	1-200	1-200	35	
2-Methylnaphthalene	50.0	79		50.0	101	95	5	1-200	1-200	35	
2-Methylphenol (o-Cresol)	50.0	59		50.0	75	70	7	1-200	1-200	35	
4-Methylphenol (p-Cresol)	50.0	60		50.0	75	74	2	1-200	1-200	35	
Naphthalene	50.0	74		50.0	90	86	5	1-200	1-200	35	
2-Nitroaniline (o-Nitroaniline)	50.0	77		50.0	71	67	5	1-200	1-200	35	
3-Nitroaniline (m-Nitroaniline)	50.0	79		50.0	73	71	3	1-200	1-200	35	
4-Nitroaniline (p-Nitroaniline)	50.0	85		50.0	65	60	8	1-200	1-200	35	
Nitrobenzene	50.0	77		50.0	91	88	4	1-200	1-200	35	
2-Nitrophenol (o-Nitrophenol)	50.0	78		50.0	84	81	3	1-200	1-200	35	
4-Nitrophenol (p-Nitrophenol)	50.0	72		50.0	68	70	3	10-80	10-80	50	
N-Nitrosodimethylamine	50.0	75		50.0	84	82	2	1-200	1-200		
N-Nitrosodiphenylamine (Diphenylamine)	50.0	76		50.0	60	55	9	1-200	1-200	35	
N-Nitroso-di-n-propylamine	50.0	70		50.0	78	76	3	41-116	41-116	38	
entachlorophenol	50.0	89		50.0	108 *	109 *	1	9-103	9-103	50	Q1
Phenanthrene	50.0	89		50.0	91	90	1	1-200	1-200	35	
Phenol	50.0	74		50.0	90	88	2	12-110	12-110	42	
Pyrene	50.0	82		50.0	85	84	1	26-127	26-127	31	
Pyridine	50.0	67		50.0	78	80	2	1-200	1-200	35	
1,2,4-Trichlorobenzene	50.0	68		50.0	91	84	6	39-98	39-98	28	
2,4,5-Trichlorophenol	50.0	85		50.0	88	85	3	1-200	1-200	35	
2,4,6-Trichlorophenol	50.0	87		50.0	92	88	4	1-200	1-200	35	

66 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Method: Water GC/MS Semivolatile Organics **Episode:** RSE

Batch: 30204

Lab ID	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
30204B1	47	52	59	48	44	63		
30204B2	48	52	57	50	45	58		
30204S1	77	86	75	66	57	76		
RSE-001	44	46	53	47	40	61		
RSE-002	60	62	64	59	55	73		
RSE-003	49	55	56	51	45	67		
RSE-004MS	85	90	78	75	65	82		
RSE-005MSD	81	86	75	70	62	80		
RSE-006	53	57	57	55	49	65		
RSE-008	52	56	55	53	46	67		
QC limits:	35 - 114	43 - 116	33 - 141	10 - 94	21 - 100	10 - 123		

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)

* denotes surrogate recovery outside of QC limits.
D denotes 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.

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Method: Water GC/MS Volatile Organics **Episode:** RSE

Batch: 30211

Lab ID	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
30211B1L03	92	102	90					
30211B1L03B	97	108	86					
30211B1M05	96	89	102					
30211BA17	96	102	99					
30211BL04	93	95	88					
30211BL04B	93	105	98					
30211BM10B	95	94	95					
30211SM05	97	94	109					
RQZ-001	93	101	93					
RQZ-002	94	107	94					
RQZ-003	93	104	92					
RQZ-004	93	107	92					
RQZ-005	93	103	95					
RQZ-006	94	108	96					
RQZ-007	92	105	94					
RQZ-008	93	103	95					
RRE-001	94	106	90					
RRE-002	93	105	87					
RRE-003	94	92	87					
RRE-004	98	84 *	90					
RRE-004RE	98	84 *	90					
RSE-001	94	99	115					
RSE-001DL	93	87	106					
RSE-002	92	93	100					
RSE-003	100	90	110					
RSE-003DL	91	93	107					
RSE-004MS	101	95	105					
RSE-005MSD	95	93	106					
RSE-006	91	98	114					
RSE-006DL	95	90	103					
RSE-008	100	93	107					
RSE-008DL	95	103	93					
RSE-009	90	94	102					
QC limits:	**88 - 110**	**86 - 115**	**86 - 118**					

Sur 1: Toluene-d8 (S)
Sur 2: 4-Bromofluorobenzene (S)
Sur 3: Dibromofluoromethane (S)

* denotes surrogate recovery outside of QC limits.
D denotes 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.

5/20/99 18:49:57

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 30211B1L03

Description: Water Method Blank **Episode:** RSE **% Moisture:** n/a

Method: Water GC/MS Volatile Organics **Batch:** 30211 **Units:** ug/l

Prep Factor: 1 **Leached:** n/a **Prepared:** **Analyzed:** 03-May-99 9:51 KC

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	1	ND		10.0
71-43-2	Benzene	1	ND		5.00
75-27-4	Bromodichloromethane	1	ND		5.00
75-25-2	Bromoform	1	ND		5.00
74-83-9	Bromomethane (Methyl bromide)	1	ND		10.0
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0
75-15-0	Carbon disulfide	1	ND		5.00
56-23-5	Carbon tetrachloride	1	ND		5.00
108-90-7	Chlorobenzene	1	ND		5.00
75-00-3	Chloroethane	1	ND		10.0
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	1	ND		10.0
124-48-1	Dibromochloromethane	1	ND		5.00
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1	ND		5.00
75-35-4	1,1-Dichloroethene (Dichloroethylene)	1	ND		5.00
540-59-0	1,2-Dichloroethene (total)	1	ND		5.00
78-87-5	1,2-Dichloropropane	1	ND		5.00
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
75-09-2	Methylene chloride (Dichloromethane)	1	ND		5.00
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0
100-42-4	Styrene	1	ND		5.00
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.00
79-00-5	1,1,2-Trichloroethane	1	ND		5.00
79-01-6	Trichloroethene (Trichloroethylene)	1	ND		5.00
75-01-4	Vinyl chloride (Chloroethene)	1	ND		10.0
1330-20-7	Xylene (total)	1	ND		5.00

33 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.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 30211B1L03B

Description: Water Method Blank **Episode:** RSE **% Moisture:** n/a

Method: Water GC/MS Volatile Organics **Batch:** 30211 **Units:** ug/l

Prep Factor: 1 **Leached:** n/a **Prepared:** **Analyzed:** 03-May-99 22:58 KC

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	1	ND		10.0
71-43-2	Benzene	1	ND		5.00
75-27-4	Bromodichloromethane	1	ND		5.00
75-25-2	Bromoform	1	ND		5.00
74-83-9	Bromomethane (Methyl bromide)	1	ND		10.0
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0
75-15-0	Carbon disulfide	1	ND		5.00
56-23-5	Carbon tetrachloride	1	ND		5.00
108-90-7	Chlorobenzene	1	ND		5.00
75-00-3	Chloroethane	1	ND		10.0
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	1	ND		10.0
124-48-1	Dibromochloromethane	1	ND		5.00
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1	ND		5.00
75-35-4	1,1-Dichloroethene (Dichloroethylene)	1	ND		5.00
540-59-0	1,2-Dichloroethene (total)	1	ND		5.00
78-87-5	1,2-Dichloropropane	1	ND		5.00
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
75-09-2	Methylene chloride (Dichloromethane)	1	ND		5.00
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0
100-42-4	Styrene	1	ND		5.00
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.00
79-00-5	1,1,2-Trichloroethane	1	ND		5.00
79-01-6	Trichloroethene (Trichloroethylene)	1	ND		5.00
75-01-4	Vinyl chloride (Chloroethene)	1	ND		10.0
1330-20-7	Xylene (total)	1	ND		5.00

33 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.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 30211B1M05

Description: Water Method Blank **Episode:** RSE **% Moisture:** n/a

Method: Water GC/MS Volatile Organics **Batch:** 30211 **Units:** ug/l

Prep Factor: 1 **Leached:** n/a **Prepared:** **Analyzed:** 05-May-99 12:59 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl ketone)	1	ND		10.0
75-05-8	Acetonitrile (Methyl cyanide)	1	ND		50.0
107-02-8	Acrolein (2-Propenal)	1	ND		10.0
107-13-1	Acrylonitrile (2-Propenenitrile)	1	ND		10.0
107-05-1	Allyl chloride (3-Chloropropene)	1	ND		5.00
71-43-2	Benzene	1	ND		5.00
75-27-4	Bromodichloromethane	1	ND		5.00
75-25-2	Bromoform	1	ND		5.00
74-83-9	Bromomethane (Methyl bromide)	1	ND		10.0
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0
75-15-0	Carbon disulfide	1	ND		5.00
56-23-5	Carbon tetrachloride	1	ND		5.00
108-90-7	Chlorobenzene	1	ND		5.00
75-00-3	Chloroethane	1	ND		10.0
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	1	ND		10.0
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	1	ND		50.0
124-48-1	Dibromochloromethane	1	ND		5.00
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1	ND		5.00
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1	ND		5.00
74-95-3	Dibromomethane (Methylene bromide)	1	ND		5.00
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		5.00
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		50.0
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane (Ethylene dichloride)	1	ND		5.00
75-35-4	1,1-Dichloroethene (Dichloroethylene)	1	ND		5.00
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00
78-87-5	1,2-Dichloropropane	1	ND		5.00
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00
123-91-1	1,4-Dioxane	1	ND		500
100-41-4	Ethylbenzene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
74-88-4	Iodomethane (Methyl iodide)	1	ND		5.00
78-83-1	2-Methyl-1-propanol (iso-Butyl alcohol)	1	ND		500
126-98-7	Methacrylonitrile	1	ND		5.00
75-09-2	Methylene chloride (Dichloromethane)	1	ND		5.00
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0
107-12-0	Propionitrile (Ethyl cyanide)	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.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 30211B1M05

Description: Water Method Blank **Episode:** RSE **% Moisture:** n/a

Method: Water GC/MS Volatile Organics **Batch:** 30211 **Units:** ug/l

Prep Factor: 1 **Leached:** n/a **Prepared:** **Analyzed:** 05-May-99 12:59 DE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
100-42-4	Styrene	1	ND		5.00
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00
127-18-4	Tetrachloroethene (Perchloroethylene)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	1	ND		5.00
79-00-5	1,1,2-Trichloroethane	1	ND		5.00
79-01-6	Trichloroethene (Trichloroethylene)	1	ND		5.00
75-69-4	Trichlorofluoromethane (Freon 11)	1	ND		5.00
96-18-4	1,2,3-Trichloropropane	1	ND		5.00
108-05-4	Vinyl acetate	1	ND		10.0
75-01-4	Vinyl chloride (Chloroethene)	1	ND		10.0
1330-20-7	Xylene (total)	1	ND		5.00

52 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.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 30204B1

Description: Water Method Blank **Episode:** RSE **% Moisture:** n/a

Method: Water GC/MS Semivolatile Organics **Batch:** 30204 **Units:** ug/l

Prep Factor: 1 **Leached:** n/a **Prepared:** 03-May-99 **Analyzed:** 14-May-99 22:48 JA

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
207-08-09	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 phenyl ether	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	bis(2-Chloroisopropyl) ether	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
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

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.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 30204B1

Description: Water Method Blank **Episode:** RSE **% Moisture:** n/a

Method: Water GC/MS Semivolatile Organics **Batch:** 30204 **Units:** ug/l

Prep Factor: 1 **Leached:** n/a **Prepared:** 03-May-99 **Analyzed:** 14-May-99 22:48 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
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
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		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

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.

Report of Method Blank

Pace Analytical Services, Inc. - New Orleans

Organic Protocol - Single Batch

Lab ID: 30204B1

Description: Water Method Blank **Episode:** RSE **% Moisture:** n/a

Method: Water GC/MS Semivolatile Organics **Batch:** 30204 **Units:** ug/l

Prep Factor: 1 **Leached:** n/a **Prepared:** 03-May-99 **Analyzed:** 14-May-99 22:48 JA

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
88-75-5	2-Nitrophenol (o-Nitrophenol)	1	ND		10.0
100-02-7	4-Nitrophenol (p-Nitrophenol)	1	ND		25.0
56-57-2	4-Nitroquinoline-1-oxide	1	ND		10.0
924-16-3	N-Nitrosodi-n-butylamine	1	ND		10.0
55-18-5	N-Nitrosodiethylamine	1	ND		10.0
62-75-9	N-Nitrosodimethylamine	1	ND		10.0
86-30-6	N-Nitrosodiphenylamine (Diphenylamine)	1	ND	A10	10.0
621-64-7	N-Nitroso-di-n-propylamine	1	ND		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
99-55-8	5-Nitro-o-toluidine	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
109-06-08	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

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.

Report of Quality Control

Pace Analytical Services, Inc. - New Orleans

Multiple Parameters - Multiple Batches

Episode: RSE

Parameter Name	Batch	Blank	Units	LCS Spike	LCS %Rec	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	Dup RPD	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Mercury	30184	ND	ug/l	1.00	96		1.00	96	91	6	80-120	75-125	20	
Arsenic	30224	ND	ug/l	1000	98		2000	112	108		80-120	75-125	20	
Barium	30224	ND	ug/l	1000	103		2000	112	107		80-120	75-125	20	
Cadmium	30224	ND	ug/l	1000	102		50.0	96	93		80-120	75-125	20	
Chromium	30224	ND	ug/l	1000	102		200	0 *	0 *		80-120	75-125	20	Q3
Lead	30224	ND	ug/l	1000	103		500	111	107		80-120	75-125	20	
Selenium	30224	ND	ug/l	1000	99		2000	110	107		80-120	75-125	20	
Silver	30224	ND	ug/l	500	102		50.0	91	87		80-120	75-125	20	
Vanadium	30224	ND	ug/l	1000	101		500	109	105		80-120	75-125	20	
Zinc	30224	ND	ug/l	1000	102		500	116	113		80-120	75-125	20	

.ount([ParaCode])) ." parameter(s) reported"
denotes recovery outside of QC limits.
Spike amounts are not corrected for moisture content of the spiked sample.

5/20/99 18:51:38

Report Qualifiers

Pace Analytical Services, Inc. - New Orleans

Single Episode

Episode: RSE

Qualifier	Qualifier Description
A10	N-Nitrosodiphenylamine is reported as diphenylamine.
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.
D1	The analysis was performed at a dilution due to the high analyte concentration.
D6	The sample was analyzed at a dilution based upon the screening information.
D7	The sample was analyzed at a dilution based upon historical data.
Q1	The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q3	The matrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.

The Right Chem *The Right Solution®*

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

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Page: 1 of 1

Required Client Information: Section A

Company: Eco-Systems, Inc.
Address: 4294 Lakeland Dr. Suite 200
Jackson, MS 39208
Phone: (601) 936-4440 Fax: 936-4463

Required Client Information: Section B

Report To: John Ryan
Invoice To: same
P.O: —
Project Name: QZ-99
Project Number: TAC-99023

Client Information (Check quote/contract):
Requested Due Date: 5-12-99 *TAT: 14

* Under 14 day turnaround subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calender days.

To Be Completed by Pace Analytical and Client: Section C

Quote Reference:
Project Manager:
Project #:
Profile #:
Requested Analysis: App. IX Metals 6010, App. IX VOAs 8260, App. IX SVOAs 8270

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	ST
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED (mm / dd / yy)	TIME COLLECTED (mm:hh a/p)	# Containers	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	App. IX Metals 6010	App. IX VOAs 8260	App. IX SVOAs 8270	Remarks / Lab ID
1	TAC-SWMU2-GW-05-03	WT	4-29-99	730	6	2	1		3			X	X	X	
2	TAC-SWMU2-GW-01-03		4-29-99	835	6	2	1		3			X	X	X	
3	TAC-SWMU2-GW-02-03			1000	6	2	1		3			X	X	X	
4	TAC-SWMU2-GW-MSD-03			1000	6	2	1		3			X	X	X	
5	TAC-SWMU2-GW-MS-03			1000	6	2	1		3			X	X	X	
6	TAC-SWMU2-GW-05-03 D			730	6	2	1		3			X	X	X	Dup. of MW-5
7	TAC-SWMU2-AB-02			1015	6	2	1		3			X	X	X	* Hold *
8	TAC-SWMU2-TB-03			1020	2				2				X		
9	TAC-SWMU2-GW-04-03			1155	6	2	1		3			X	X	X	
10															
11															
12															

Sample Condition		Sample Notes	Item No.	Relinquished By / Company	Date	Time	Accepted By / Company	Date	Time
Temp in °C:				WJS / ESI	4-29	1400	FEDEX		
Received on ICE:	Y / N			FEDEX			Annie Webster / PACE	4/30/99	0945
Sealed Cooler:	Y / N								
Samples Intact:	Y / N								

Additional Comments:

* Hold TAC-SWMU2-AB-02 until notice by ESI

- Metals - RCRA only

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed: (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

Pace Analytical Services, Inc. Form COC01.XLS 08/98